

문헌배제사유

배제번호	배제사유
1	(P) "전립선 비대증" 환자를 대상으로 하지 않은 문헌
2	(I) "전립선동맥색전술" 중재가 수행되지 않은 문헌
3	(O) 사전에 정의한 연구결과가 하나 이상 보고되지 않은 문헌
4	(SD) 비교연구으로 수행되지 않은 연구
5	원저가 아닌 연구(중설, letter, comment 등)
6	동물실험 또는 전임상시험
7	동료심사된 학술지에 게재되지 않은 문헌
8	초록만 발표된 연구
9	한국어나 영어로 출판되지 않은 문헌
10	중복문헌
11	원문 확보 불가
12	사전에 정한 비교기술이 아닌 문헌

연번	Year	Author	Title	journal	Volume	Issue	Pages	사유
1	2537	B. S. Challacombe, T. S. A. M. Zakeri, F.Nowakowska,	Prostate artery embolisation for benign prostatic hyperplasia	Bmj	361			5
2	2023	M.Kakani, Ebir N.Ananthakrishnan, G.	A Single-Centre Retrospective Analysis of Radial Versus Femoral Prostate Artery Embolization	Vascular and Endovascular Surgery	57(2)		123-128	12
3	2023	S. Young	Prostate Artery Operator Learning Curves, Affirmation of the Safety of Widespread Adaption	CardioVascular and Interventional Radiology	46(2)		238-239	5
4	2023	A. B. Vizzuso, S.Petrella, E.Musacchia, G.Venturi, G.Gunelli, R.Giampalma, E. G. D. Vigneswaran, N.Maclean,	Prostatic Artery Embolization Using N-Butyl Cyanoacrylate Glue in Patients with Indwelling Catheter	CardioVascular and Interventional Radiology	46(2)		295-298	5
5	2023	D.Mathew, S.Modi, S.Harris, M.Hacking, N.Bryant, T. D. M. Veyg, R.Rumball, I.	Mid-term Results of the Prospective LUMI-PAE Study: Propensity-Matched Analysis of 1-Year Follow-Up Data	CardioVascular and Interventional Radiology	46(4)		528-531	12
6	2023	P.Liang, R.Garcia-Reyes, K.Bishay, V.Fischman, A. M.	Comparison of 24-Month Clinical Outcomes after Prostatic Artery Embolization in Prostate Glands Larger versus Smaller than 80 mL: A Systematic Review	Journal of Vascular and Interventional Radiology	34(4)		578-584.e1	5

7	2023	R. A. A. v. R. van Kollenburg, Lamjgde Bruin, D. M.de Rijke, T. M.Oddens, J. R.	Novel minimally invasive treatments for lower urinary tract symptoms: a systematic review and network meta-analysis	International Braz J Urol	49	4	411-427	5
8	2023	R. A. A. v. R. van Kollenburg, L. A. M. J. G.de Bruin, D. M.de Rijke, T. M.Oddens, J. R.	Novel minimally invasive treatments for lower urinary tract symptoms: a systematic review and network meta-analysis	International braz j urol : official journal of the Brazilian Society of Urology	49(4)		411-427	10
9	2023	S. M. Tonyali, A.	Prostatic artery embolization must be considered as a valid treatment option of benign prostatic hyperplasia particularly in patients having serious comorbidities	World journal of urology	41(4)		1205-1206	5
10	2023	G. W. S. Smetana, C. C.Singla, A.Libman, H.	How Would You Manage This Patient with Benign Prostatic Hyperplasia? Grand Rounds Discussion from Beth Israel Deaconess Medical Center	Annals of Internal Medicine	176(4)		545-555	4
11	2023	L. V. V. Sciacqua, A.Di Meo, R.Pellegrino, G.Lavorato, R.Vitale, G.Carrafiello, G.	Minimally Invasive Treatment in Benign Prostatic Hyperplasia (BPH)	Technology in Cancer Research and Treatment	22	no paginat ion		5
12	2023	F. F. Rivera-Melendez, A.	Variant Extra prostatic Supply from Muscular Arteries Identified during Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	34(5)		937	5
13	2023	A. N. Raghavendran, K.Velmurugan, P.Chandru, T.	Transurethral resection of prostate for large gland - does pre operative prostatic artery embolisation makes your job easier?	Indian Journal of Urology	39(5 Supplement 1)		S25	2
14	2023	T. R. Powell, S.Staib, L.Bhatia, S.Ayyagari, R.	Operator Learning Curve for Prostatic Artery Embolization and Its Impact on Outcomes in 296 Patients	CardioVascular and Interventional Radiology	46(2)		229-237	4
15	2023	J. G. A. Porto, M. C. S.Blachman-Braun, R.Bhatia, A.Bhatia, S.Satyanarayana, R.Marcovich, R.Shah, H. N.	Complications associated with minimally invasive surgical therapies (MIST) for surgical management of benign prostatic hyperplasia: a Manufacturer and User Facility Device Experience (MAUDE) database review	World journal of urology.	24			5
16	2023	J. B. Porto, R. B.Chanamolu, D.Shah, H.	Complications Associated with Minimally Invasive Surgical Therapies (Mist) for Surgical Management of Benign Prostatic Hyperplasia (Bph): A Manufacturer and User Facility Device Experience (Maude) Database Analysis	Journal of Urology	209(Suppl ement 4)		e174	5

17	2023	A. A. M. Podoynicin, E. A. Amosov, N. Garmash, S. V. Kuznecova, D. A. Shpot, E. V. Mashin, G. A. Maltsagova, P. S.	[Clinical case: bladder necrosis after prostate embolization in a patient with prostatic hyperplasia]	Urologiia (Moscow, Russia)	1	88-91	4	
18	2023	M. N. Pattou, Y. Lebret, T. Yonneau, L. Madec, F. X.	[Penile necrosis, a specific complication of prostatic artery embolization]	Progres en Urologie	6	6	4	
19	2023	M. N. Pattou, Y. Lebret, T. Yonneau, L. Madec, F. X.	Penile necrosis, a specific complication of prostatic artery embolization . [French]	Progres en urologie : journal de l'Association francaise d'urologie et de la Societe francaise d'urologie.	6		9	
20	2023	M. T. Noureldin, J. Hindley, R. Emara, A.	Inflammatory Complications of Prostatic Artery Embolization : an Up-to-Date Review	Current Bladder Dysfunction Reports	18(2)	99-102	5	
21	2023	X. L. Niu, B.	Six novel minimally invasive therapies for benign prostatic hyperplasia	Zhejiang da Xue Xue Bao. Yi Xue Ban/Journal of Zhejiang University. Medical Sciences	52	2	162-168	5
22	2023	D. S. Ngov, S. C. Schammel, C. M. Devane, A. M.	Radiation Exposure during Prostatic Artery Embolization : A Single Institution Review	Health physics	124(3)	200-207	5	
23	2023	B. D. P. Moulin, M. Vignaux, O. Sarrazin, J. L. Angelopoulos, G. Hakime, A.	Prostate Artery Embolization : Challenges, Tips, Tricks, and Perspectives	Journal of Personalized Medicine	13(1) (no pagination)	87	5	
24	2023	H. Moschouris	Commentary on "Benefits of Repeat Prostatic Artery Embolization on Persistent or Recurrent Lower Urinary Tract Symptoms in Patients with Benign Prostatic Hyperplasia" Lehrer R, et al. CVIR 2023	CardioVascular and Interventional Radiology	46(6)	746-747	5	
25	2023	S. Q. Marhamati, L. Kangotra, I. Desai, P. Klein, J. Bagla, S. Singh, I.	Does prostate artery embolization prior to Aquablation reduce peri-operative morbidity and increase the likelihood of same day discharge?	European Urology	83(Supplement 1)	S26	2	

26	2023	A. P. Marchi, O.Querub, C.Ahmar, M. A.Gaeta, A. D.Dean, C.Meria, P.Thiounn, N.Sapoval, M.Boeken, T.	Long-term outcomes of prostate artery embolization for acute urinary retention: An analysis of 88 patients	Diagnostic and Interventional Imaging	104(6)		292-296	4
27	2023	D. V. Maclean, G.Maher, B.Hadi, M.Harding, J.Harris, M.Bryant, T.Hacking, N.Modi, S.	The Effect of Protective Coil Embolization of Penile Anastomoses during Prostatic Artery Embolization on Erectile Function: A Propensity-Matched Analysis	Journal of Vascular and Interventional Radiology	34(2)		218-224.e1	4
28	2023	V. S.-M. Lucas-Cava, F. M.Insausti-Gorbea, I.Sun, F.	Comparative efficacy and safety of prostatic artery embolization for benign prostatic hyperplasia: a systematic review and network meta-analysis	BJU International	131(2)		139-152	5
29	2023	J. G. Liu, Y. Y.Ran, C.Liu, H. J.Zeng, D. S.Feng, Y. G.	Case report of avascular necrosis of the glans penis after PAE embolization	BMC Urology	23(1) (no pagination)	31		4
30	2023	R. S. Lehrer, M.Di Gaeta, A.Querub, C.Ahmar, M.Dean, C.Pellerin, O.Boeken, T.	Benefits of Repeat Prostatic Artery Embolization on Persistent or Recurrent Lower Urinary Tract Symptoms in Patients with Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	46(6)		739-745	4
31	2023	B. S. Lebani, A.Silveira, E.Skaff, M.Almeida, F.	Randomized Controlled Trial Comparing Prostate Artery Embolization Vs Open Prostatectomy: Clinical and Urodynamic Assessment in a One Year Follow Up	Journal of Urology	209(Supplement 4)		e1062	8
32	2023	A. F. Kristensen-Alvarez, M. M.Stroomberg, H. V.Roder, A.	Nabsnn-inferiority, randomized, open-label clinical trial on the efficacy of transurethral microwave thermotherapy compared to prostatic artery embolisation in reducing severe lower urinary tract symptoms in men with benign prostatic hyperplasia	European urology	83		Mar-23	8
33	2023	Y. H. Kilic, R.Walkden, M.Munneke, G.Hines, J.Von Stempel, C.	Single centre experience of the balloon occlusion microcatheter for prostate artery embolisation (PAE)	British Journal of Surgery	110(Supplement 3)		iii47	4
34	2023	J. H. M. Jung, K. A.Borofsky, M.Young, S.Golzarian, J.Kim, M. H.Narayan, V.Dahm, P.	Prostatic arterial embolisation for men with benign prostatic hyperplasia: a Cochrane review	BJU International	131(1)		32-45	5
35	2023	B. A. S. Hijazi, H. B.Liu, S.Alqurashi, T. A.Sabri, Z. J.	N-Butyl Cyanoacrylate Glue Versus Nonspherical Polyvinyl Alcohol Particles For Prostatic Arterial Embolization To Treat Benign Prostatic Hyperplasia: Safety And Efficacy	Urology journal.	18			4

36	2023	E. A. N. Han, K. R.Morgan, M. A.Arora, S. S.Loening, A. M.Bivalacqua, T. J.Sundaram, K. M.	MRI of Benign Prostatic Hyperplasia: Important Pre- and Posttherapeutic Considerations	Radiographics : a review publication of the Radiological Society of North America, Inc	43(5)	e220096	2
37	2023	J. X. W. Fu, M.Duan, F.Yan, J.Wang, Y.Yuan, B.Ye, H.	Contrast-enhanced magnetic resonance angiography in the identification of prostatic arterial anatomy in patients with benign prostatic hyperplasia: prospective comparison with digital subtraction angiography	Clinical Radiology	78(3)	e169-e176	12
38	2023	J. V. A. T. Franco, P.Jung, J. H.	Update on the management of benign prostatic hyperplasia and the role of minimally invasive procedures	Prostate International	11(1)	01월 07일	5
39	2023	F. F. R. De Oliveira, A. C.De Oliveira, J. M. I.De Oliveira, C.Aviles, N. D.Moreira, J. D. C.Simoes, G. C. S.Selegatto, I. B.Di Domenico, B. R.Ottoiano, A. D.Gon, L. M.Ricetto, C. L. Z.	Urethral Pseudoaneurysm Causing Uncontrolled Urethrorrhagia	Journal of Urology	209(Supplement 4)	e598	4
40	2023	P. C. Curtin, C.Uflacker, A.	Prostatic Arterial Embolization for Treatment of Lower Urinary Tract Symptoms Associated with Benign Prostatic Enlargement	Current Urology Reports.			5
41	2023	J. N. Z. Cornu, P.Burt, G.Martin, C.Martin, A.Springate, C.Chughtai, B.	Minimally Invasive Treatments for Benign Prostatic Obstruction: A Systematic Review and Network Meta-analysis	European Urology	83(6)	534-547	5
42	2023	E. Chung	Penile Glans Necrosis Following Prostatic Artery Embolization for Benign Prostatic Hyperplasia: Case Series and Review of Current Literature	The World Journal of Mens Health	41	2 396-402	5
43	2023	K. B. Chen, C.Fouad, M. E. M.Alizadeh, L. S.Mackrodt, S.Vogl, T. J.	Magnetic Resonance Angiography for Prostatic Artery Embolization : Origin of a Prostatic Artery from the Accessory Obturator Artery	Journal of Vascular and Interventional Radiology	34(5)	933-935	4
44	2023	F. I. Capdevila, I.San Miguel, R.Sanchez-Iriso, E.Montesino, M.	Cost-Utility Analysis of Prostatic Artery Embolization for Treatment of Lower Urinary Tract Symptoms	CardioVascular and Interventional Radiology.			0
45	2023	F. I. Capdevila, I.San Miguel, R.Sanchez-Iriso, E.Montesino, M.	Cost–Utility Analysis of Prostatic Artery Embolization for Treatment of Lower Urinary Tract Symptoms	Cardiovascular and interventional radiology			10

46	2023	H. Z. Cai, C.Fang, J.	Ultrasound-guided perineal laser ablation versus prostatic arterial embolization for benign prostatic hyperplasia: two similar short-term efficacies	Acta Radiologica	64(5)		2033-2039	0
47	2023	O. A. Burkhardt, D.Engeler, D.Schmid, H. P.Mullhaupt, G.Zumstein, V.	Prostatic Artery Embolization in Patients with Prostate Cancer: A Systematic Review	European Urology Focus.				5
48	2023	A. R. Brodie, J.Alevizopoulos, A.Ravindra, P.	Paraurethral leiomyoma in a post-menopausal woman: a case report	African Journal of Urology	29(1) (no pagination)	13		4
49	2023	M. A.-M. Boschheidgen, R.Minko, P.Jannusch, K.Ullrich, T.Radke, K. L.Michalski, R.Radtke, J. P.Albers, P.Antoch, G.Schimmoller, L.	Influence of benign prostatic hyperplasia patterns detected with MRI on the clinical outcome after prostatic artery embolization	CVIR Endovascular	6(1) (no pagination)	9		4
50	2023	S. S. Blakely, K.Nikolavsky, D.Smith, G.	Robotic-assisted combined buccal mucosal graft and advancement bladder flap for prostatic urethral obliteration	Urology Video Journal	17 (no pagination)	100211		2
51	2023	T. Bilhim	Prostatic Artery Embolization : An Update	Korean Journal of Radiology	24(4)		313-323	5
52	2023	S. R. Bhatia, A.Maini, A.Jalaeian, H.Reddy, R.Richardson, K.Bhatia, A.Shah, H.Kava, B.	Prostate Artery Embolization - Multicenter Retrospective Experience of 1000 Patients with Short, Mid, and Long Term Follow Up	Journal of Urology	209(Supplement 4)		e1096	8
53	2023	S. S. Bagla, A.Sajan, A.Desai, P.Singh, I.	Combination Prostatic Artery Embolization Prior to Aquablation for Benign Prostatic Hypertrophy: A Propensity Score Analysis	Journal of Urology	209(Supplement 4)		e692	8
54	2023	M. D. Assmus, N.Lee, M.Guo, J.Krambeck, A.	Holmium Laser Enucleation of the Prostate (Holep) Outcomes after Minimally Invasive Surgical Therapies (Mist) for Bph	Journal of Urology	209(Supplement 4)		e176	8
55	2023	L. S. G. Alizadeh, M.Gog, I.Szigeti, K.Osvath, S.Kiss, J. P.Yel, I.Koch, V.Grunewald, L. D.Vogl, T. J.Booz, C.	Initial Experience Using Digital Variance Angiography in Context of Prostatic Artery Embolization in Comparison with Digital Subtraction Angiography	Academic Radiology	30	4	689-697	12

56	2023	L. S. G. Alizadeh, aacute;n,oacute; M.oacute;g, I.Szigeti, K.Osv,aacute;th, S.Kiss, J. P.Yel, I.Koch, V.Gr,uuml;newald, L. D.Vogl, T. J.Booz, C.	Initial Experience Using Digital Variance Angiography in Context of Prostatic Artery Embolization in Comparison with Digital Subtraction Angiography	Academic radiology	Vol.30	4	689-697p	10
57	2023	D. L. Abt, S.Giudici, N.	[Prostatic Artery Embolization (PAE) - Endo-vascular Treatment of Lower Urinary Tract Symptoms Presumed Secondary to Benign Prostatic Obstruction]	Therapeutische Umschau	80	3	123-126	5
58	2023	D. L. Abt, S.Giudici, N.	Prostatic Artery Embolization (PAE) - Endo-vascular Treatment of Lower Urinary Tract Symptoms Presumed Secondary to Benign Prostatic Obstruction. [German]	Therapeutische Umschau	80(3)		123-126	9
59	2023		Clinical Trial on the Effectiveness of TUMT Compared to PAE in Reducing Severe LUTS in Men With BPH					7
60	2022	W. B. Zhou, P.Hanitzsch, H.Schmidt, M.Schafer, A.El-Mansouri, A.Kovacs, A.	Impact of Prostatic Artery Embolization in Patients with Enlarged True Middle Lobes	Journal of Men's Health	18(11) (no pagination)	216		4
61	2022	K. M. Zhang, R.Hen, A.Leybovich, N.Braha, S.	Mathematical model to assist complex prostate artery selection in complex prostate embolization	CardioVascular and Interventional Radiology	45(Supplement 4)		S485	4
62	2022	K. M. Zhang, R.Braha, S.Tse, F.Jaswani, V.	Safety and efficacy of prostate embolization using only mobile c-arm in an office based laboratory (OBL) setting, pilot study	CardioVascular and Interventional Radiology	45(Supplement 4)		S480	4
63	2022	J. W. Zhang, Q.Zhao, H.Yuan, B.Sun, X.Guan, Y.Fang, Z.Wang, M.	Safety and efficacy of transcatheter arterial embolization for management of refractory hematuria of prostatic origin	Journal of Interventional Medicine	5(2)		84-88	1
64	2022	C. P. Zhan, A. C.	Commentary on "Single-Center Retrospective Comparative Study Evaluating the Benefit of Computed Tomography Angiography Prior to Prostatic Artery Embolization "	Cardiovascular & Interventional Radiology	45	7	1025-1026	5
65	2022	C. P. Zhan, A. C.	Commentary on " Prostatic Artery Embolization (PAE) Using Polyethylene Glycol Microspheres: Safety and Efficacy in 81 Patients"	CardioVascular and Interventional Radiology	45(9)		1349-1350	5
66	2022	S. M. Young, P.Golzarian, J.	Ejaculatory dysfunction following prostate artery embolization : A retrospective study utilizing the male sexual health questionnaire-ejaculation dysfunction questionnaire	Diagnostic and Interventional Imaging	103(6)		310-315	4

67	2022	Z. W. Z. Xu, C. G.Tian, W.Shi, H. B.Liu, S.	Long-Term Efficacy and Recurrence Prediction of Prostatic Artery Embolization for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	45(12)		1801-1809	4
68	2022	X. Z. Wu, A.Heller, M.Kohlbrenner, R.	Abstract No. 108 Prostate artery embolization versus transurethral resection of the prostate for benign prostatic hypertrophy: a cost-effectiveness analysis	Journal of Vascular and Interventional Radiology	33(6 Supplement)		S51-S52	8
69	2022	X. Z. Wu, A.Heller, M.Kohlbrenner, R.	Prostatic Artery Embolization Versus Transurethral Resection of the Prostate for Benign Prostatic Hyperplasia: A Cost-Effectiveness Analysis	Journal of Vascular and Interventional Radiology	33(12)		1605-1615	3
70	2022	D. S. Wood, P.Saha, A.Maydell, A.	Abstract No. 508 Prostate artery embolization outcomes in an office-based lab	Journal of Vascular and Interventional Radiology	33(6 Supplement)		S187	8
71	2022	J. A. Weaver, Z.Manolas, V.Gharib, A.Khatari, T.	Prostate artery embolisation from radial approach: clinical outcomes and complication rate	CardioVascular and Interventional Radiology	45(Supplement 4)		S922	4
72	2022	X. Y. C. Wang, Y. M.Huang, W. H.Zhang, Y.	Prostate artery embolization on lower urinary tract symptoms related to benign prostatic hyperplasia: A systematic review and meta-analysis	World Journal of Clinical Cases	10	32	11812-11826	5
73	2022	X. Y. C. Wang, Y. M.Huang, W. H.Zhang, Y.	Prostate artery embolization on lower urinary tract symptoms related to benign prostatic hyperplasia: A systematic review and metaanalysis	World Journal of Clinical Cases	10(32)		11812-11826	5
74	2022	K. C. Wang, M.Liu, Y.Xiao, W.Qian, Y.Liu, X.	Efficacy and Safety of Prostatic Artery Embolization in the Treatment of High Risk Benign Prostatic Hyperplasia and its Influence on Postoperative Life Quality of Patients	Frontiers in Surgery	9		905394	4
75	2022	C. H. Von Stempel, R.Walkden, M.	Testicular infarction as a complication of prostate artery embolization	CardioVascular and Interventional Radiology	45(Supplement 4)		S512	5
76	2022	T. J. B. Vogl, C.Koch, V.Nour-Eldin, N. A.Emara, E. H.Chun, F.El Nemr, S.Alizadeh, L. S.	Potential of pre-interventional magnetic resonance angiography for optimization of workflow and clinical outcome of prostatic arterial embolization	European Journal of Radiology	150		110236	4
77	2022	T. J. B. Vogl, C.Koch, V.Nour-Eldin, N. E. A.Emara, E. H.Chun, F.El Nemr, S.Alizadeh, L. S.	Potential of pre-interventional magnetic resonance angiography for optimization of workflow and clinical outcome of prostatic arterial embolization	European Journal of Radiology	150 (no pagination)	110236		10

78	2022	T. A. Vogl, L.Nour-Eldin, N.	Feasibility of pre-interventional magnetic resonance angiography (MRA) in the context of prostatic arterial embolization : impact on workflow, radiation dose and clinical outcome	CardioVascular and Interventional Radiology	45(Supplement 4)	S286	4
79	2022	G. M. Vigneswaran, D.Harris, M.Bryant, T.Hacking, N.Modi, S.	Cardiovascular comorbidities do not impact prostate artery embolization (PAE) outcomes	CardioVascular and Interventional Radiology	45(Supplement 4)	S287	4
80	2022	D. M. Veyg, R.Rumball, I.Shakya, S.Fischman, A.	Abstract No. 109 Comparison of long-term outcomes following PAE in >100ml vs <100ml prostates: a systematic review	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S52	5
81	2022	B. G. L. V. L. Vanneste, E. J.Marcelissen, T. A.Van Roermund, J. G. H.Lutgens, L. C.Arnoldussen, C. W. K. P.Lambin, P.Oelke, M.	Development of a Management Algorithm for Acute and Chronic Radiation Urethritis and Cystitis	Urologia Internationalis	106(1)	63-74	2
82	2022	M. H. Trail, R. G.Al Jaafari, F.	Contemporary surgical management of benign prostatic obstruction: does there remain a place in the toolbox for TURP?	Journal of Clinical Urology	15(4)	298-303	5
83	2022	M. A. J. Trail, F.	The practical assessment and management of male lower urinary tract symptoms	Surgery (United Kingdom)	40(8)	518-525	2
84	2022	A. T. L. Theurich, L.Leucht, K.Franiel, T.Teichgraber, U.Foller, S.Grimm, M. O.	Influence of Prostate Artery Embolization on Different Qualities of Lower Urinary Tract Symptoms Due to Benign Prostatic Obstruction	European Urology Focus	8(5)	1323-1330	4
85	2022	S. T. Tashi, Z.Gogna, A.	Use of the triple coaxial (triaxial) microcatheter system in superselective arterial embolisation for complex interventional cases: an initial experience with the system	CVIR Endovascular	5(1) (no pagination)	67	1
86	2022	Z. T. Tan, S.Gogna, A.	Use of the triple coaxial (triaxial) microcatheter system in superselective arterial embolisation for complex interventional cases: an initial experience with the system	CardioVascular and Interventional Radiology	45(SUPPL 1)	S61	10
87	2022	C. C. Sze, B.Kaplan, S. A.	I Can't Get No Satisfaction: Patient-reported Outcomes After Different Treatment Options for Lower Urinary Tract Symptoms	European Urology Focus	8(2)	377-379	5
88	2022	P. K. Svarc, P.Lonn, L.Roder, M. A.	Prostatic artery embolization in men with severe hemophilia a: a case report of two patients	CVIR Endovascular	5(1) (no pagination)	21	4

89	2022	P. H. Svarc, T.Waltenburg, H.Andersson, C.Blackberg, M.Baco, E.Taudorf, M.Roder, M. A.Lindgren, H.Klow, N. E.Lonn, L. B.	Center experience and other determinants of patient radiation exposure during prostatic artery embolization : a retrospective study in three Scandinavian centers	European Radiology	32(4)		2404-2413	12
90	2022	P. W. Steffen, R.Thaler, C.Habermann, C. R.Zeile, M.	Single-Center Retrospective Comparative Study Evaluating the Benefit of Computed Tomography Angiography Prior to Prostatic Artery Embolization	CardioVascular and Interventional Radiology	45(7)		1019-1024	12
91	2022	I. P. Sokolakis, N.Russo, G. I.Sountoulides, P.Hatzichristodoulou, G.	Preserving Ejaculation: A Guide Through the Landscape of Interventional and Surgical Options for Benign Prostatic Obstruction	European Urology Focus	8(2)		380-383	5
92	2022	G. T. Siena, R.Cindolo, L.	Can Rezum stand out as the most versatile and better performing minimally invasive treatment for the management of LUTS related to BPH?	Minerva Urology and Nephrology	74(5)		499-501	2
93	2022	F. R. Siciliano, E.Tipaldi, A.Zolovkins, A.Orgera, G.Rossi, M.	Embolization of the prostatic arteries for the treatment of BPH: our evidence and preliminary experience with anti-reflux microcatheters	CardioVascular and Interventional Radiology	45(Supplement 4)		S281	4
94	2022	D. L. Shi, L.Cao, L.Liu, J.He, J.Liang, Z.	Clinical Study on the Treatment of Benign Prostatic Hyperplasia by Embolization of Prostate Artery Based on Embosphere Microspheres and Gelatin Sponge Granules	Journal of Healthcare Engineering	2022 (no pagination)	1E+06		12
95	2022	P. J.-M. Schuchardt, O.Parikh, N.Salloum, E.	Prostatic artery symmetry during PAE: lowering the learning curve	CardioVascular and Interventional Radiology	45(Supplement 4)		S918	4
96	2022	V. F. S. Schmidt, M.Heimer, M. M.Kazmierczak, P. M.Cyran, C. C.Wildgruber, M.Seidensticker, M.Ricke, J.Solyanik, O.	Semi-Automatic MRI Feature Assessment in Small-and Medium-Volume Benign Prostatic Hyperplasia after Prostatic Artery Embolization	Diagnostics	12(3) (no pagination)	585		12
97	2022	H. P. H. Schmid, L.Mullhaupt, G.	Re: Early Results of Unilateral Prostatic Artery Embolization as a Focal Therapy in Patients with Prostate Cancer Under Active Surveillance: Cancer Prostate Embolisation, a Pilot Study	European Urology	81	1	121-122	5
98	2022	L. B. Schimmoller, M.Ullrich, T.Albers, P.Minko, P.Antoch, G.	Benefit of pelvic magnet resonance angiography for prostatic artery embolization planning	CardioVascular and Interventional Radiology	45(Supplement 4)		S273	12

99	2022	G. B. Sampogna, F.Brambillasca, P. M.Montanari, E.Rampoldi, A.Spinelli, M. E. C. Salet, A.Grenier,	Prostatic artery embolization in people with spinal cord injury: a safe and effective technique to ease intermittent catheterization in case of concomitant benign prostatic hyperplasia	Spinal Cord Series and Cases	8(1) (no pagination)	34	1
100	2022	N.Marcelin, C.Lebras, Y.Jambon, E.Coussy, A.Cornelis, F. H.Petitpierre, F.	Prostatic Artery Embolization for Benign Prostatic Obstruction: Single-Centre Retrospective Study Comparing Microspheres Versus n-Butyl Cyanoacrylate	CardioVascular and Interventional Radiology	45(6)	814-823	12
101	2022	A. M. Sajan, T.Desai, P.Isaacson, A.Bagla, S.	Minimally Invasive Treatments for Benign Prostatic Hyperplasia: Systematic Review and Network Meta-Analysis	Journal of Vascular and Interventional Radiology	33(4)	359-367.e8	5
102	2022	P. A. G. Sagayanathan, X. Y.Stephens, D.	Congenital peri prostatic pelvic arterio venous malformation presenting as isolated pelvic pain and requiring endovascular embolization	BJU International	129(Supplement 2)	62-64	2
103	2022	P. S. Rowley, N.Eifler, A.	Abstract No. 103 CT-based segmentation is superior to the ellipsoid formula for estimating prostate volumes in candidates for prostate artery embolization	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S49	8
104	2022	N. G. Rostambeigi, J.Little, M. W.	Updates on Preprocedural Evaluation and Patient Selection for Prostatic Artery Embolization	Seminars in Interventional Radiology	39(6)	547-554	5
105	2022	A. D. A. Rocha, A.Moreira, A.Carnevale, F.	Impact of cone-beam CT on complete prostatic vascular anatomy identification for prostatic artery embolization	CardioVascular and Interventional Radiology	45(Supplement 4)	S268	4
106	2022	J. S. F. Rink, M. F.McWilliams, J. P.Gratzke, C.Huber, T.Gresser, E.Schoenberg, S. O.Diehl, S. J.Norenberg, D.	Prostatic Artery Embolization for Treatment of Lower Urinary Tract Symptoms: A Markov Model-Based Cost-Effectiveness Analysis	Journal of the American College of Radiology	19(6)	733-743	3
107	2022	D. B. Richardson, A.Sandhu, J.Richardson, K.Jalaeian, H.Bhatia, S. A. K. Richardson, J.Pennix,	Predictors of early clinical failure following prostate artery embolization : a single institution review	CardioVascular and Interventional Radiology	45(Supplement 4)	S284	5
108	2022	T.Richardson, K.Esses, E.Bysani, K.Amin, A.Sandhu, J.Jalaeian, H.Bhatia, S.	Abstract No. 65 Prostate artery embolization : single-center experience of 807 patients with 6 years of follow-up	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S31	8

109	2022	A. K. Richardson, J.Pennix, T.Richardson, K.Bokhari, A.Aldajani, M.Bysani, K.Esses, E.Jalaeian, H.Bhatia, S. M. M. Repajic, D.Zaman, N.Zhu,	Abstract No. 63 Effect of prostatic artery embolization on reduction or cessation of preprocedural benign prostatic hypertrophy medication: single-center experience	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S30	8
110	2022	T.Hwang, D.Cen, S.Lei, X.Varghese, B.Duddalwar, V.Katz, M.Vairavamurthy, J.Schroff, S.	Abstract No. 105 Use of radiomics to predict outcomes in prostatic artery embolization	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S50	8
111	2022	B. L. Z. Raizenne, X.Oumedjbeur, K.Mao, J.Zorn, K. C.Elterman, D.Bhojani, N.Sedrakyan, A.Chughtai, B.	Prostatic Artery Embolization Compared to Trans-Urethral Resection of the Prostate and Prostatic Urethral Lift: A Real-World Population-Based Study	Journal of Urology	207(SUPPL 5)	e2-e3	0
112	2022	S. P. Rahman, T.Staib, L.Ayyagari, R.	Abstract No. 69 Stratified voiding and storage domain symptom score improvements after prostatic artery embolization with 100-300µm particles: comparing results in gland volumes of ≤80mL versus >80mL	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S33-S34	8
113	2022	S. P. Rahman, T.Staib, L.Ayyagari, R.	Abstract No. 104 Long-term lower urinary tract symptom improvements after prostatic artery embolization with 100-300µm particles: comparing results in gland volumes of ≤80mL versus >80mL	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S49-S50	8
114	2022	Z. L. Qamhawi, M. W.	The State of Evidence in Prostate Artery Embolization	Seminars in Interventional Radiology	39(6)	571-576	5
115	2022	J. D. Prologo	Advanced Interventional Pain Management	Seminars in Interventional Radiology	39(2)	123-124	1
116	2022	B. F. d. A. Pilan, A. M.Moreira, A. M.Rodrigues, V. C. P.Carnevale, F. C.	Protection of nontarget structures in prostatic artery embolization	Radiologia Brasileira	55(1)	06월 12일	4
117	2022	T. R. Pennix, A.Richardson, K.Kumar, J.Bokhari, A.Aldajani, M.Amin, A.Sandhu, J.Jalaeian, H.Bhatia, S.	Abstract No. 70 Radiation exposure reduction with operator experience in prostatic artery embolization : a single-institution study	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S34	8

118	2022	P. M. O. Patel, V.Quirk, M.Dunn, M. D.Donin, N. M.	Devitalized Prostatic Adenoma Causing Bladder Outlet Obstruction: An Unusual Complication After Prostatic Artery Embolization Requiring Salvage Laser Enucleation	CardioVascular and Interventional Radiology	45(7)		1027-1029	5
119	2022	S. M. Parmar, B.Hines, J.Munneke, G.Walkden, M.Von Stempel, C.	The Efficacy of Prostatic Arterial Embolisation as Indicated by Clinical Outcomes	British Journal of Surgery	109(Supplement 6)		vi139	8
120	2022	C. P. Parkin, C.Chung, A.Menogue, S.Catt, J.Gottschalk, G.Wong, C.Chalasan, V.	Non-target embolisation of the glans penis during prostatic artery embolisation	BJU International	129(Supplement 2)		114-115	4
121	2022	N. M. Parikh, B.Pow-Sang, J.Yamoah, K.	A narrative review of the role of prostatic artery embolization in the management of post-radiation prostatitis	AME Medical Journal	7 (no pagination)	5		5
122	2022	L. B.-R. Oomen, C.Cornelissen, E.Wall, L. D.Feitz, W.	Pearls and Pitfalls in Pediatric Kidney Transplantation After 5 Decades	Frontiers in Pediatrics	10 (no pagination)	856630		1
123	2022	B. S. Oerther, A.Franier, T.Teichgraber, U.Bamberg, F.Gratzke, C.Benndorf, M.	More Than Detection of Adenocarcinoma-Indications and Findings in Prostate MRI in Benign Prostatic Disorders	RoFo Fortschritte auf dem Gebiet der Rontgenstrahlen und der Bildgebenden Verfahren	194(5)		481-490	5
124	2022	A. J. C. Nassour, R.Bhoopathy, V.Myint, M.Mancuso, P.Catt, J.Schlaphoff, G.	Prostate artery embolisation for symptomatic giant prostate hyperplasia	European Urology Open Science	45(Supplement 1)		S24	4
125	2022	G. A. Mullhaupt, D.Hechelhammer, L.Schmid, H. P.	Prostatic artery embolization (PAE) for the treatment of benign prostatic syndrome: medium-term effect of therapy. [German]	Journal fur Urologie und Urogynakologie	29	1		9
126	2022	G. A. Mullhaupt, D.Hechelhammer, L.Schmid, H. P.	Prostatic artery embolization (PAE) for the treatment of benign prostatic syndrome: medium-term effect of therapy	Journal fur urologie und urogynakologie	29	1		9
127	2022	B. H. Moulin, A.Kuoch, V.	Percutaneous Prostatic Artery Embolization with Absolute Alcohol: A Case Report	Journal of Vascular and Interventional Radiology	33(8)		1008-1010	4

128	2022	B. D. P. Moulin, M.Vignaux, O.Sarrazin, J. L.Angelopoulos, G.Hakime, A.	Prostate Artery Embolization : Challenges, Tips, Tricks, and Perspectives	Journal of Personalized Medicine	13	1	29	5	
129	2022	J. M. Motta-Leal-Filho	Prostatic Artery Embolization for the Treatment of Benign Prostatic Hyperplasia: To Infinity and Beyond	CardioVascular and Interventional Radiology	45(9)		1337-1338	5	
130	2022	H. S. Moschouris, K.Spanomanolis, N.Vasilopoulos, A.Tzamarias, S.Malagari, K.	A Retrospective, Single-Center Study of Technical-Procedural Factors Affecting Radiation Dose During Prostatic Artery Embolization	Cureus	14	8	e27728	12	
131	2022	H. S. Moschouris, K.Spanomanolis, N.Tsetso, I.Bisyri, K.Kiakidis, T.Malagari, K.	Prostatic artery embolization for benign prostatic hyperplasia during the COVID pandemic. A countermeasure to prostatic surgery cancellations	CardioVascular and Interventional Radiology	45(Supplement 4)		S916	4	
132	2022	H. S. Moschouris, K.Spanomanolis, N.Bisyri, K.Malagari, K.	Degenerated, Pouch-Shaped, Intermittently Protruding Median Lobe Causing Early Symptomatic Recurrence After Prostatic Artery Embolization	CardioVascular and Interventional Radiology	45(9)		1411-1414	5	
133	2022	S. V. Modi, G.Patel, N.Yung, N.De Preux, L.Maclean, D.Harris, M.Somani, B.Hacking, N.Bryant, T.	1-year cost-utility analysis of prostate artery embolization (PAE) versus transurethral resection of the prostate (TURP)	CardioVascular and Interventional Radiology	45(Supplement 4)		S285	3	
134	2022	K. P. McNamara, A. C.	Commentary on "Long-Term Efficacy and Recurrence Prediction of Prostatic Artery Embolization for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia" Xu X, et al. CVIR 2022	CardioVascular and Interventional Radiology	45(12)		1810-1811	5	
135	2022	T. D. O. McClure, A. K.Doustaly, R.Rocha, A.Moreira, A. M.de Assis, A. M.Barral, M.Cornelis, F. H.Carnevale, F. C.	Use of Virtual Injection Technology for Planning and Guidance of Prostate Artery Embolization	Cardiovascular & Interventional Radiology	45	6	884-887	5	
136	2022	M. J. Mahmoudi, C.Pereira, K.Hall, A. F.Arzani, A.	Guiding the Prostatic Artery Embolization Procedure With Computational Fluid Dynamics	Journal of Biomechanical Engineering	144(11)		(no pagination)	111004 EN	5
137	2022	D. F. B. Maclean, C. T.Vigneswaran, G.Bryant, T. J.Harris, M.Somani, B.Modi, S.	Comprehensive Review on Current Controversies and Debate in Prostate Artery Embolization	Turkish Journal of Urology	48	3	166-173	5	

138	2022	B. T. Luo, K.Yang, W.Lu, Z. V. S.-M. Lucas-Cava, F. M.Moreno-Lobato, B.Davila-Gomez, L.Lima-Rodriguez, J. R.Garcia-Martinez, V.Lopez-Sanchez, C.Sun, F.	Massive Urethral Bleeding Following Urethral Catheterization Induced by a Pseudoaneurysm	Urology	166	e3-e4	5
139	2022	V. S.-M. Lucas-Cava, F. M.Davila-Gomez, L.Lima-Rodriguez, J. R.Sun, F.	Prostatic artery occlusion: initial findings on pathophysiological response in a canine prostate model	Translational Andrology and Urology	11(12)	1655-1666	2
140	2022	R. G. Loffroy, K.Comby, P. O.Chevallier, O.	Prostatic artery occlusion versus prostatic artery embolisation for the management of benign prostatic hyperplasia: early results in a canine model	British Journal of Radiology	95(1136) (no pagination)	2E+07	2
141	2022	J. Z. Liu, K.Wu, X.Cui, B.Liang, Z.	Prostate Artery Embolization for Benign Prostatic Hyperplasia: Rationale for the Use of N-Butyl Cyanoacrylate Glue as an Embolic Agent	CardioVascular and Interventional Radiology	45(6)	824-825	5
142	2022	J. S. Liu, D.Li, L.Cao, L.Liu, J.He, J.Liang, Z.	Radiation dose of prostatic artery embolization for benign prostatic hyperplasia: A protocol for systematic review	Medicine (United States)	101(46)	E31595	5
143	2022	J. M. Lerner, E.Bagla, S.Sajan, A.Kasimcan, M. O.Isaacson, A.	Clinical Study on the Treatment of Benign Prostatic Hyperplasia by Embolization of Prostate Artery Based on Embosphere Microspheres and Gelatin Sponge Granules	Journal of Healthcare Engineering	2022	1424021	10
144	2022	W. H. K. Leong, U.Sun, K. J.Thevarajah, S.	Embolization for the Treatment of Hemorrhage after Pelvic Urethral Lift	Journal of Vascular and Interventional Radiology	33(11)	1449-1452	5
145	2022	R. B. Lehrer, T.Di Gaeta, A.Querub, C.Al Ahmar, M.Dean, C.Pellerin, O.Sapoval, M.	Prostate artery embolization case series in Sabah	BJU International	130(Supplement 2)	19	4
146	2022	J. R. Kumar, A.Richardson, K.Sandhu, J.Bysani, K.Aldajani, M.Esses, E.Bokhari, A.Jalaeian, H.Bhatia, S.	Benefit of repeat prostatic artery embolization on persistent or recurring lower urinary tract symptoms	CardioVascular and Interventional Radiology	45(Supplement 4)	S915	4
147	2022	J. R. Kumar, A.Pennix, T.Amin, A.Bokhari, A.Esses, E.Aldajani, M.Richardson, K.Jalaeian, H.Bhatia, S.	Abstract No. 68 Comparison of prostate artery embolization for benign prostatic hyperplasia on prostate gland size less than 80 g versus greater than 80 g: retrospective review of short and mid-term outcomes	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S32-S33	5
148	2022	J. R. Kumar, A.Pennix, T.Amin, A.Bokhari, A.Esses, E.Aldajani, M.Richardson, K.Jalaeian, H.Bhatia, S.	Abstract No. 67 Prostate artery embolization in patients with prostate glands greater than 80 g: a single-center experience with 5 years of follow-up	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S32	8

149	2022	J. R. Kumar, A.Pennix, T.Aldajani, M.Amin, A.Sandhu, J.Bysani, K.Richardson, K.Jalaeian, H.Bhatia, S.	Abstract No. 64 Prostate artery embolization in prostate size less than 80 g: a single-center experience with 5 years of follow-up	Journal of Vascular and Interventional Radiology	33(6 Supplement)	S30-S31	8
150	2022	A. T. Kovacs, M.Bischoff, P.Zhou, W.	PAE: do morphological changes of the IPP and PUA go hand in hand with LUTS improvements	CardioVascular and Interventional Radiology	45(SUPPL 1)	S46	4
151	2022	G. C. Ko, J. W.Lee, N.Kim, D.Hyeon, T.Kim, H. C.	Recent progress in liquid embolic agents	Biomaterials	287 (no pagination)	121634	5
152	2022	V. Z. Keshwala, J.McKenna, J.Garg, T.Daye, D.Kwan, S.	The impact of patient reported outcome measures (PROMs) in the interventional radiology: a systematic review	CardioVascular and Interventional Radiology	45(Supplement 4)	S716	5
153	2022	S. A. Kaplan	Benign Prostatic Hyperplasia	Journal of Urology	208(2)	448-450	5
154	2022	S. Kaplan	Re: Effectiveness and Safety of Prostatic Artery Embolization for the Treatment of Lower Urinary Tract Symptoms from Benign Prostatic Hyperplasia in Men with Concurrent Localized Prostate Cancer	Journal of Urology	207(3)	710	5
155	2022	S. C. P. Kam, J. W.Kim, M. K.Kim, K. Y.Lee, K. S.Kim, T. H.Shin, Y. S.	Robotic-assisted simple prostatectomy after prostatic arterial embolization for large benign prostate hyperplasia: Initial experience	Prostate International	10(3)	148-151	12
156	2022	J. H. M. Jung, K. A.Borofsky, M.Young, S.Golzarian, J.Kim, M. H.Narayan, V. M.Dahm, P.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	3	CD012867	5
157	2022	J. H. M. Jung, K. A.Borofsky, M.Young, S.Golzarian, J.Kim, M. H.Dahm, P.Narayan, V. M.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	2022(3) (no pagination)	CD012867	10
158	2022	H. S. Jung, Y.	Anatomical variation of prostate artery and extra-prostate collateral flows	CardioVascular and Interventional Radiology	45(Supplement 4)	S492	5
159	2022	K. F. Johnson-Arbor, D.	Use of hyperbaric oxygen therapy to treat glans penis necrosis after prostatic artery embolization	Urology Case Reports	45 (no pagination)	102237	4

160	2022	O. P. Jazayeri-Moghaddas, N.	Abstract No. 107 Novel predictive model for amount of embolic used as a percent of prostate size during PAE	Journal of Vascular and Interventional Radiology	33(6 Supplement)		S51	8
161	2022	I. G. Insausti, A.Lucas-Cava, V.de Ocariz, A. S.Solchaga, S.Monreal, R.de la Cuesta, A. M.Alfaro, R.Sun, F.Montesino, M.Urtasun, F.Bilbao Jaureguizar, J. I.	Prostatic Artery Embolization (PAE) Using Polyethylene Glycol Microspheres: Safety and Efficacy in 81 Patients	Cardiovascular & Interventional Radiology	45	9	1339-1348	4
162	2022	I. G. Insausti, A.Lucas-Cava, V.de Ocariz, A. S.Solchaga, S.Monreal, R.de la Cuesta, A. M.Alfaro, R.Sun, F.Montesino, M.Urtasun, F.Jaureguizar, J. I. B.	Prostatic Artery Embolization (PAE) Using Polyethylene Glycol Microspheres: Safety and Efficacy in 81 Patients	CardioVascular and Interventional Radiology	45(9)		1339-1348	10
163	2022	J. S. B. Hopstaken, J. G. R.Sedelaar, M. J. P.Valerio, M.Futterer, J. J.Rovers, M. M. E. M. M. Hassan, H.Mahmoud, E. E.Chhibber, S.Saleem, S.Issa,	An Updated Systematic Review on Focal Therapy in Localized Prostate Cancer: What Has Changed over the Past 5 Years?	European Urology	81	1	5-33	5
164	2022	A.Nitesh, J.Jama, A. B.Khedr, A.Boike, S.Mir, M.Attallah, N.Surani, S.Khan, S. A. W. A. Hamed Ibrahim,	Overlap of diabetic ketoacidosis and hyperosmolar hyperglycemic state	World Journal of Clinical Cases	10(32)		11702-11711	2
165	2022	H.Mohamed, H.Jamsheer, N.Elsayed Elnaggar, M. H. H. Haddad, H.Bischoff,	Prostatic Artery Embolization for the Treatment of Benign Prostate Hyperplasia: Initial Experience From Bahrain	Cureus	14	2	e22593	4
166	2022	P.Hanitzsch, H.Heidrich, A.Schaefer, A.Kovacs, A.Pinkawa, M.	Permanent interstitial brachytherapy for prostate cancer implementing neoadjuvant prostatic artery embolization	Brachytherapy	21	3	308-316	1
167	2022	Y. W. Guan, W.Zhang, T.Liao, L.Chen, J.Zhang, Z.Chen, N.Zeng, G.	Epirubicin-loaded beads transarterial prostatic arterial chemoembolization is a promising treatment for advanced prostate cancer with lower urinary tract obstruction or hematuria-a case series report	Translational Andrology and Urology	11(4)		480-494	4

168	2022	P. S. Goyal, R.Mouli, S. K.	Controversies in Prostate Artery Embolization : Future Best Practice	Seminars in Interventional Radiology	39(6)		562-570	5
169	2022	P. J. Goyal, K.Hohlastos, E.Salem, R.Mouli, S.	Abstract No. 514 Salvage prostate artery embolization in patients with refractory lower urinary tract symptoms following prior minimally invasive surgical technique for benign prostate hyperplasia	Journal of Vascular and Interventional Radiology	33(6 Suppleme nt)		S189- S190	8
170	2022	O. E. R. C. Gonzalez, E. I. B.Salcedo, J. G. C.	Macroscopic hematuria as an initial symptom of testicular cancer, an unusual presentation and initial management. A case report	International Journal of Surgery Case Reports	101 (no paginatio n)	107799		4
171	2022	R. S. Gil, D. J.Kim, D.Lee, D. H.Kim, J. J.Lee, J. W.	Prostatic Artery Embolization for Lower Urinary Tract Symptoms via Transradial Versus Transfemoral Artery Access: Single-Center Technical Outcomes	Korean Journal of Radiology	23(5)		548-554	12
172	2022	S. G. Gerberding, J.	Prostate Artery Embolization for Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia-Radiology In Training	Radiology	304(1)		31-37	4
173	2022	F. K. Georgiades, C.Makanjuola, J.Grange, P.	Trans-urethral bladder suture in female patients: Not a tour de force but a quick and realistic answer to complex situations	Urologia Journal	89(2)		231-234	5
174	2022	V. L. Gauhar, E. J.Khan, T. Y.Law, Y. X. T.Choo, Z. W.Castellani, D.Teoh, J. Y.Bhojani, N.Chughtai, B.Zorn, K.Elterman, D.	Rezum to the rescue: Early outcomes of Rezum on patients with recurrent lower urinary tract symptoms after surgical interventions for benign prostatic enlargement	Andrologia	54	8	e14450	0
175	2022	V. L. Gauhar, E. J.Khan, T. Y.Law, Y. X. T.Choo, Z. W.Castellani, D.Teoh, J. Y. C.Bhojani, N.Chughtai, B.Zorn, K.Elterman, D.	Rezum to the rescue: Early outcomes of Rezum on patients with recurrent lower urinary tract symptoms after surgical interventions for benign prostatic enlargement	Andrologia	54(8) (no paginatio n)	e14450		10
176	2022	Y. W. Fu, X.Yin, Y.Wang, C.Mai, J.	Comparison of effectiveness and postoperative complications of different surgical methods in the treatment of benign prostatic hyperplasia: a systematic review and meta-analysis based on randomized controlled trials	Translational Andrology and Urology	11(6)		842-858	5
177	2022	J. G. Franz, C.Miernik, A.	[Minimally Invasive Therapy: What Is The Status In 2021 - What's Coming, What's Going?]	Aktuelle Urologie	53	3	231-239	5

178	2022	J. B. Frandon, A.Pellerin, O.Thiounn, N.Serrand, C.Droupy, S.Petitpierre, F.Vernhet-Kovacsik, H.Murez, T.Vidal, V.Ghelfi, J.Pagnoux, G.Codas, R.de Forges, H.Beregi, J. P.Sapoval, M.	Efficacy and safety of prostate artery embolization for patients with lower urinary tract symptoms and indwelling urinary catheter: A retrospective multicenter study	Diagnostic and Interventional Imaging	103(12)		601-606	4
179	2022	J. V. A. J. Franco, J. H.Imamura, M.Borofsky, M.Omar, M. I.Escobar Liquitay, C. M.Young, S.Golzarian, J.Veroniki, A. A.Garegnani, L.Dahm, P.	Minimally invasive treatments for benign prostatic hyperplasia: a Cochrane network meta-analysis	BJU International	130(2)		142-156	5
180	2022	M. B. Fassia, A.Basourakos, S.Lewicki, P.Fainberg, J.Currie, B.Te, A.McClure, T. D. M. Enikeev, V.Rijo, E.Sukhanov, R.Chinenov,	Abstract No. 509 Prostate artery embolization is associated with a reduced rate of post-Aquablation bleeding	Journal of Vascular and Interventional Radiology	33(6 Supplement)		S187-S188	8
181	2022	D.Gazimiev, M.Taratkin, M.Azilgareeva, C.Morozov, A.Herrmann, T. R. W.Glybochko, P.	EAU, AUA and NICE Guidelines on Surgical and Minimally Invasive Treatment of Benign Prostate Hyperplasia: A Critical Appraisal of the Guidelines Using the AGREE-II Tool	Urologia Internationalis	106(1)		01월 10일	2
182	2022	D. A.-P. Elterman, M.Evans, H.Elmansy, H.Meskawi, M.Zorn, K. C.Bhojani, N.	UPDATE - 2022 Canadian Urological Association guideline on male lower urinary tract symptoms/benign prostatic hyperplasia (MLUTS/BPH)	Canadian Urological Association Journal	16	8		5
183	2022	R. H. K. Drury, B.Herzog, B.Hellstrom, W. J. G.	Hemospermia Etiology, Diagnosis, Treatment, and Sexual Ramifications: A Narrative Review	Sexual Medicine Reviews	10(4)		669-680	5
184	2022	K. E. Dogan, A.Sen, H.Kervancioglu, S.Erturhan, M. S.Seckiner, I.Bayrak, O.	Clinical Outcomes of Prostatic Artery Embolization in Patients with Benign Prostatic Hyperplasia: A Prospective Clinical Study	Turkish Journal of Urology	48	3	215-221	4
185	2022	R. H. Dieu, K.	Narrative review of hyperbaric oxygen therapy for radiation induced hemorrhagic cystitis	AME Medical Journal	7 (no pagination)	4		5
186	2022	T. A. B. Diaz, B.Clinkenbeard, A.Long, J. R.Kawashima, A.Yano, M.	MRI Evaluation of Patients Before and After Interventions for Benign Prostatic Hyperplasia: An Update	American Journal of Roentgenology	218(1)		88-99	5

187	2022	C. E. Deyirmendjian, D.Chughtai, B.Zorn, K. C.Bhojani, N.	Surgical treatment options for benign prostatic obstruction: Beyond prostate volume	Current Opinion in Urology	32(1)		102-108	5
188	2022	L. L. Deng, C.He, Q.Huang, C.Chen, Q.Zhang, S.Wang, L.Gan, Y.Long, Z.	Superselective Prostate Artery Embolization for Treatment of Severe Haematuria Secondary to Rapid Progression of Treatment-Induced Neuroendocrine Prostate Cancer: A Case Report Reply to Davide Rosati, Riccardo Lombardo, Cosimo De Nunzio, Constantino Leonardo, and Andrea Tubaro's Words of Wisdom re: Transperineal Interstitial Laser Ablation of the Prostate, A Novel Option for Minimally Invasive Treatment of Benign Prostatic Obstruction. Eur Urol 2021;80:673-4	OncoTargets and Therapy	15		67-75	4
189	2022	G. M. De Rienzo, P.Ditonno, P.	Transperineal Interstitial Laser Ablation of the Prostate, A Novel Option for Minimally Invasive Treatment of Benign Prostatic Obstruction. Eur Urol 2021;80:673-4	European Urology	81(4)		e100-e101	5
190	2022	C. S. De La Garza-Ramos, A.Caridi, T. M.	Nononcologic Embolization	Seminars in Interventional Radiology	39(4)		416-420	5
191	2022	A. M. K. de Assis, W. Y.Moreira, A. M.Carnevale, F. C.	Prostatic artery embolization using reflux-control microcatheter: prospective experience addressing feasibility	CVIR Endovascular	5(1) (no pagination)	62		4
192	2022	S. R. Dalla, L.Alli, A.Custer, B.Rohr, A.	3D printed model to assist in endovascular prostate artery embolization for benign prostatic hyperplasia	CardioVascular and Interventional Radiology	45(Supplement 4)		S551	4
193	2022	S. R. Dalla, L.Alli, A.Custer, B.Rohr, A.	3D printed model to assist endovascular prostate artery embolization for benign prostatic hyperplasia	Radiology Case Reports	17(11)		4161-4164	10
194	2022	J. N. D. Cornu, H.Gazdovich, S.	Hot Topics of the Past Decade: Evolutions and Revolutions in Lower Urinary Tract Symptoms	European Urology Focus	8(2)		371-374	2
195	2022	E. Chung	Penile Glans Necrosis Following Prostatic Artery Embolization for Benign Prostatic Hyperplasia: Case Series and Review of Current Literature	World Journal of Men's Health	40 (no pagination)	A1		5
196	2022	L. G. K. Chui, W. M.Ngai, H. Y.Au, W. H.	Evaluation of patient characteristics undergoing PAE on effect of clinical outcome	BJU International	129(SUPPL 1)		15	4
197	2022	K. C. L. Cheng, H. M.Chan, H. C.Cheung, M. H.Yu, S. M.Kei, S. K.Chan, N. H.So, H. S.	Prostatic arterial embolization for benign prostatic enlargement in high-risk men with indwelling urethral catheters - our four-year experiences	BJU International	129(SUPPL 1)		13-14	4

198	2022	E. V. Checcucci, G.De Cillis, S.Piramide, F.Piana, A.Veccia, A.Falagario, U.Loizzo, D.Pa Ndolfo, S. D.Autorino, R.Amparore, D.	Comment on: "Emerging minimally invasive transurethral treatments for benign prostatic hyperplasia: a systematic review with meta-analysis of functional outcomes and description of complications"	Minerva Urology and Nephrology	74(4)		475-478	5
199	2022	Y. C. C. Chang, S. J.Huang, W. H.Huang, C. P.Chen, Y. H.Chen, W. C.	Prostate Cancer after Percutaneous Arterial Embolization of the Prostate: A Case Report	Diagnostics	12(10) (no paginatio n)	2378		4
200	2022	R. S. Bulto Gonzalvo, J.Tovar, G.Salvador, D.Bernardello, M.Areal, J.Agreda, F.	Holmium Laser Enucleation of the Prostate (HoLEP) vs Prostate Artery Embolization (PAE) in the Treatment of Lower Urinary Tract Symptoms (NCT04236687): initial Results of a Randomized Controlled Trial (RCT)	Journal of endourology / Endourological Society	36		A102-A103	8
201	2022	J. C. S. Bulman, A.	Prostate Artery Embolization Versus Transurethral Resection of the Prostate: Is Cost-Effectiveness Analyses Useful to Improve Access to Image-Guided Procedures in the United States?	Journal of the American College of Radiology	19	6	744-745	5
202	2022	N. K. Brown, A.Walker, D.Stephanie Castree, M.Firouzmand, S.McBean, R.Yaxley, J.	Presentation Type: Concurrent Session Podium Presentation Theme: LUTS/BPH P-EASY PLUS: Prostate artery embolisation assessment of safety and efficacy with preliminary and follow-up urodynamic studies	BJU International	129(Suppl ement 2)		14	4
203	2022	N. K. Brown, A.Walker, D.Castree, M. S.McBean, R.Firouzmand, S.Yaxley, J.	Prostate artery embolization versus Duodart as first-line treatment for Benign Prostatic Hyperplasia (BPH) causing lower urinary tract symptoms (LUTS): a randomised controlled trial	BJU international	129	14	Jun-22	8
204	2022	B. Y. Brown, H.Bagla, S.Isaacson, A.	Nontarget Radiopaque Embolitic Deposition during Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	33(5)		558-563.e1	12
205	2022	J. B. Brewin, T.Tapping, C.	Comparison between the volume of embolitic used and clinical outcomes during prostate artery embolisation	CardioVascular and Interventional Radiology	45(Supple ment 4)		S924	4
206	2022	J. A. H. A. Breuer, K.Al-Khouja, F.Macherla, A. R.Muthoka, J. M.Abi-Jaoudeh, N.	Interventional oncology: new techniques and new devices	British Journal of Radiology	95(1138) (no paginatio n)	2E+07		5
207	2022	S. K. Borojeni, F.Dallongeville, A.Durand, X.	Holmium laser enucleation of a 696 cc prostate (HoLEP): The largest reported in the literature	Urology Case Reports	45 (no paginatio n)	102203		5

208	2022	M. N. Bock, L.Watt, H.	Penile necrosis secondary to repeat prostate artery embolisation using the PERFECTED technique	BJU International	129(Supplement 2)	52	5
209	2022	T. C. Bilhim, N. V.Torres, D.Pinheiro, L. C.Spaepen, E.	Long-Term Outcome of Prostatic Artery Embolization for Patients with Benign Prostatic Hyperplasia: Single-Centre Retrospective Study in 1072 Patients Over a 10-Year Period	CardioVascular and Interventional Radiology	45(9)	1324-1336	4
210	2022	T. B. Bilhim, P.Lyatoshinsky, P.Mullhaupt, G.Abt, D.	Minimally Invasive Therapies for Benign Prostatic Obstruction: A Review of Currently Available Techniques Including Prostatic Artery Embolization , Water Vapor Thermal Therapy, Prostatic Urethral Lift, Temporary Implantable Nitinol Device and Aquablation	CardioVascular and Interventional Radiology	45(4)	415-424	5
211	2022	T. Bilhim	Long-Term PAE Results: What Do We Know	Seminars in Interventional Radiology	39(6)	577-580	5
212	2022	S. A. Bhatia, V.Jalaeian, H.Kumar, J.Bryant, E.Richardson, A.Malkova, K.Harward, S.Sinha, V.Kably, I.Kava, B. R.	Effect of Prostate Artery Embolization on Erectile Function - A Single Center Experience of 167 Patients	The journal of sexual medicine	19(4)	594-602	4
213	2022	A. M. Bhatia, A.Bhatia, S.	Prostatic Artery Embolization : Technical Pearls	Seminars in Interventional Radiology	39(6)	555-561	5
214	2022	A. B.-B. Bhat, R.Herrmann, T. R. W.Shah, H. N.	Are all procedures for benign prostatic hyperplasia created equal? A systematic review on post-procedural PSA dynamics and its correlation with relief of bladder outlet obstruction	World journal of urology	40(4)	889-905	5
215	2022	Z. L. B.-M. Bercu, S. M.Kokabi, N.Cristescu, M.Dariushnia, S.Newsoms, J.Majdalany, B.	Single-Center Multi-Hospital Experience with Prostate Artery Embolization for Treatment of Moderate to Severe Lower Urinary Tract Symptoms of Benign Prostatic Hyperplasia	Epidemiology	70(SUPPL 1)	S96	4
216	2022	K. E. B. E. G. Basiouny, M. S.Niazi, G. E. M.Allam, A. E.	Anatomical variants in prostatic artery embolization in treatment of benign prostatic hyperplasia	Egyptian Journal of Radiology and Nuclear Medicine	53(1) (no pagination)	120	4
217	2022	J. C. Barrera Gutierrez	Re: Perioperative Blood Loss after Preoperative Prostatic Artery Embolization in Patients Undergoing Simple Prostatectomy: A Propensity Score-Matched Study	Journal of Vascular & Interventional Radiology	33	3 345-346	5
218	2022	F. B. Badar, M. R.Mather, J. T.	Jejunal Diverticula: A Lesser Known Cause for Massive Lower GI Bleeding	American Journal of Gastroenterology	117(10 Supplement 2)	S2167	2

219	2022	S. I. Azimov	Assessment Of Functional Status And Quality Of Life In Patients With Benign Prostatic Hyperplasia After Embolization Of Prostatic Arteries	Journal of Pharmaceutical Negative Results	13		3207-3209	5
220	2022	M. A. L. Assmus, M. S.Helon, J.Krambeck, A. E.	HoLEP Outcomes after Water Vapor Thermal Therapy, Prostatic Urethral Lift, Robotic Waterjet Treatment or Prostatic Artery Embolization	Journal of Endourology	36(Supplement 1)		A95-A96	8
221	2022	A. P. Assis, B.Moreira, A.Carnevale, F.	Abstract No. 106 Prostatic artery embolization using HydroPearl microspheres: initial experience	Journal of Vascular and Interventional Radiology	33(6 Supplement)		S50-S51	8
222	2022	Anonymous	AUA Annual Meeting 2022	Journal of Urology. Conference: 117th Annual Meeting of the American Urological Association, AUA	207	SUPPL 5		5
223	2022	G. T. Amouyal, L.De Margerie-Mellon, C.Pachev, A.Assouline, J.Bouda, D.De Bazelaire, C.Marques, F.Le Strat, S.Desgrandchamps, F.De Kerviler, E.	Safety Profile of Ambulatory Prostatic Artery Embolization after a Significant Learning Curve: Update on Adverse Events	Journal of Personalized Medicine	12(8) (no pagination)	1261		4
224	2022	G. T. Amouyal, L.de Margerie-Mellon, C.Bouda, D.Pachev, A.Assouline, J.de Bazelaire, C.Marques, F.Le Strat, S.Desgrandchamps, F.De Kerviler, E.	Feasibility of Outpatient Transradial Prostatic Artery Embolization and Safety of a Shortened Deflation Protocol for Hemostasis	Journal of Personalized Medicine	12(7) (no pagination)	1138		4
225	2022	L. S. Y. Alizadeh, I.Vogl, T. J.Grunewald, L. D.Koch, V.Booz, C.	Potential of pre-interventional magnetic resonance angiography for optimisation of workflow and clinical outcome of prostatic arterial embolisation	Insights into Imaging	14(Supplement 4)		196	5
226	2022	N. A. H. Aldossary, M.	Retroperitoneal hematoma post percutaneous sacral nerve evaluation: A case report	Urology Case Reports	43 (no pagination)	102068		4

227	2022	O. P. Aladesuru, A.Stoddard, M.Bhojani, N.Zorn, K.Elterman, D.Chughtai, B.	Review of the Economics of Surgical Treatment Options for Benign Prostatic Hyperplasia	Current Urology Reports	23(1)		11월 18일	5
228	2022	V. J. Acharya, H.Tummala, S.Shah, K.Kumar, J.Kably, I.Bhatia, S.	Cone Beam CT with Automatic vessel Detection Software versus Conventional 2D Fluoroscopy with Overlay for Prostate Artery Embolization : A Comparison of Prostatic Artery Catheterization Time and Radiation Exposure	Journal of Clinical Interventional Radiology ISVIR	6(2)		90-97	12
229	2022	D. L. Abt, P.Schmid, H. P.Mullhaupt, G.	Prostatic Artery Embolisation : Do We Still Need It and for Whom?	European Urology Focus	8(2)		384-387	5
230	2022	M. F. Abou Zeinab, E.Kaviani, A.Beksac, A.Li, J.Ulchaker, J.Kaouk, J.	Single-Port Transvesical Robotic Simple Prostatectomy vs Prostatic Artery Embolization : A Comparison to the Literature	Journal of Endourology	36(Supplement 1)		A96-A97	8
231	2022		Transurethral Prostate Resection (TURP) vs. Prostate Artery Embolization (PAE)					5
232	2021	V. B. Zumstein, J.Gusewell, S.Betschart, P.Pratsinis, M.Mullhaupt, G.Hechelhammer, L.Schmid, H. P.Abt, D.	Radiation Exposure During Prostatic Artery Embolisation : A Systematic Review and Calculation of Associated Risks	European Urology Focus	7(3)		608-611	5
233	2021	Z. X. C. Zhou, H. B.Liu, W.Xu, G. S.Zhang, Y. D.Peng, X. Z.Gao, B.Zhang, X. S.	[Prostatic artery embolization for high-risk patients with benign prostatic hyperplasia: A clinical effect observation]	Zhong Hua Nan Ke Xue	27	3	226-230	4
234	2021	Z. X. C. Zhou, H. B.Liu, W.Xu, G. S.Zhang, Y. D.Peng, X. Z.Gao, B.Zhang, X. S.	Prostatic artery embolization for high-risk patients with benign prostatic hyperplasia: A clinical effect observation. [Chinese]	Zhonghua nan ke xue = National journal of andrology	27(3)		226-230	9
235	2021	U. K. Zhaparov, G.Zhanbyrbekuly, U.Sushchenko, A.Ainayev, Y.	Endovascular superselective embolization of the prostatic arteries in the treatment of benign prostatic hyperplasia	Electronic Journal of General Medicine	18(3) (no pagination)	em288		4
236	2021	S. Young	Prostate artery embolization for benign prostatic hyperplasia: The hunt for the ideal patient population	Diagnostic and Interventional Imaging	102(3)		119-120	5
237	2021	H. T. Yajima, H.Mori, M.Aramaki, Y.Sawada, Y.Nakajima, J.Murata, M.Oshima, K.	Successful interventional management of mediastinal hematoma caused by thyroid ima artery injury	Acute Medicine and Surgery	8(1) (no pagination)	e680		4

238	2021	Z. Z. Xu, Z.Mu, Y.Cai, T.Gao, Z.Liu, L.	An Updated Meta-Analysis of the Efficacy and Safety of Prostatic Artery Embolization vs. Transurethral Resection of the Prostate in the Treatment of Benign Prostatic Hyperplasia	Frontiers in Surgery	8		779571	5
239	2021	Z. Z. Xu, C.Tian, W.Leng, B.Shi, H.Liu, S.	Mid-term efficacy of prostatic artery embolization for benign prostatic hyperplasia. [Chinese]	Chinese Journal of Radiology (China)	55(11)		1197-1201	9
240	2021	Z. W. T. Xu, W.Zhou, C. G.Leng, B.Shi, H. B.Liu, S.	Prostatic Artery Embolization for the Treatment of Recurrent Lower Urinary Tract Symptoms following Transurethral Resection of the Prostate	Journal of Vascular and Interventional Radiology	32(2)		242-246	1
241	2021	C. Z. Xu, G.Wang, J. J.Zhou, C. X.Jiang, M. J.	Safety and efficacy of prostatic artery embolization for large benign prostatic hyperplasia in elderly patients	Journal of International Medical Research	49	1		4
242	2021	P. G. Xiang, D.Du, Z.Hao, Y.Yan, W.Wang, Y.Liu, Y.Liu, D.Ping, H.	Efficacy and safety of prostatic artery embolization for benign prostatic hyperplasia: a systematic review and meta-analysis of randomized controlled trials	European Radiology	31(7)		4929-4946	5
243	2021	J. P. Wilisch, B.Misrai, V.Baumert, H.Doizi, S.Lebdai, S.Delongchamps, N. B.Benchikh, A.Negra, E. D.Fourmarier, M.Chevrot, A.Rouscoff, Y.Theveniaud, P. E.Vincendeau, S.Descazeaud, A.Gas, J.Robert, G.	[An update on the most recent mini-invasive surgical and interventional techniques in the management of benign prostatic obstruction]	Progres en Urologie	31	5	266-274	5
244	2021	J. P. Wilisch, B.Misrai, V.Baumert, H.Doizi, S.Lebdai, S.Delongchamps, N. B.Benchikh, A.Negra, E. D.Fourmarier, M.Chevrot, A.Rouscoff, Y.Theveniaud, P. E.Vincendeau, S.Descazeaud, A.Gas, J.Robert, G.	An update on the most recent mini-invasive surgical and interventional techniques in the management of benign prostatic obstruction. [French]	Progres en urologie : journal de l'Association francaise d'urologie et de la Societe francaise d'urologie	31(5)		266-274	9
245	2021	Q. L. Wang, J.Tang, C.Liu, K.	3D DSA-guided prostatic arterial embolization in treatment of benign prostatic hyperplasia. [Chinese]	Chinese Journal of Interventional Imaging and Therapy	18(12)		705-709	9
246	2021	J. D. Wang, Z.Yang, R.Tang, X.Yan, T.Guo, W.	Surgical Strategy of Pediatric Benign Sacral Tumors	Journal of Pediatric Orthopedics	41	4	227-235	5

247	2021	T. J. Z. Vogl, A.Elhawash, E.Alizadeh, L. S.Nour-Eldin, N. A.Naguib, N. N. N.	MR angiography-planned prostatic artery embolization for benign prostatic hyperplasia: single-center retrospective study in 56 patients	Diagnostic & Interventional Radiology	27	6	725-731	4
248	2021	T. J. Z. Vogl, A.Elhawash, E.Alizadeh, L. S.Nour-Eldin, N. E. A.Naguib, N. N. N.	MR angiography-planned prostatic artery embolization for benign prostatic hyperplasia: single-center retrospective study in 56 patients	Diagnostic and Interventional Radiology	27(6)		725-731	10
249	2021	G. M. Vigneswaran, D.Hadi, M.Maher, B.Modi, S.Bryant, T.Harris, M.Hacking, N.	Prostatic Artery Embolization (PAE) and Transurethral Resection of the Prostate (TURP) have a Differential Impact on Lower Urinary Tract Symptoms (LUTS): Retrospective Analysis of the Multicentre UK-ROPE (UK Register of Prostate Embolization) Study	CardioVascular and Interventional Radiology	44(7)		1095-1102	0
250	2021	J. K. Vasani, S.Hynes, K.Pound, C.Kably, I.	Prostate artery embolization in a patient with left ventricular assist device	Urology Case Reports	36 (no pagination)	101588		5
251	2021	D. J. Unwala	Editorial Comment	Urology	156		223	5
252	2021	A. H. Uflacker, Z. J.Patrie, J.Smith, A.Tramel, R.Irish, N.Ashley, B.Johnson, D. T.Yamada, R.	Improving Cone-Beam CT Angiography for Prostatic Artery Embolization : Is a Low-Dose Protocol Equivalent to the Standard?	Journal of Vascular and Interventional Radiology	32(4)		562-568	12
253	2021	J. S. Trivedi, T.Page, M.	Incidental findings in and around the prostate on prostate MRI: a pictorial review	Insights into Imaging	12(1) (no pagination)	37		5
254	2021	A. S. Ting, N.Khoo, C.El-Husseiny, T.Abboudi, H.	Minimally invasive surgical treatment of benign prostatic hyperplasia: A systematic review	Journal of Endourology	35(SUPPL 1)		A28	5
255	2021	A. S. Ting, N.Khoo, C.Dasgupta, R.El-Husseiny, T.Abboudi, H.	Minimally invasive surgical treatment of benign prostatic hyperplasia: A systematic review	British Journal of Surgery	108(SUPPL 6)		vi281	10
256	2021	A. E. C. Te, A.Chughtai, B. I.	How I Handle Retreatment of LUTS Following a Failed MIST	Current Urology Reports	22(8) (no pagination)	40		5
257	2021	C. R. L. Tapping, M. W.Macdonald, A.Mackinnon, T.Kearns, D.Macpherson, R.Crew, J.Boardman, P.	The STREAM Trial (Prostatic Artery Embolization for the Treatment of Benign Prostatic Hyperplasia) 24-Month Clinical and Radiological Outcomes	CardioVascular and Interventional Radiology	44(3)		436-442	4
258	2021	Y. Z. Tang, J. H.Zhu, Y. B.Wu, S. J.Cai, S. L.Zhou, Y. F.Qian, X.Luo, J. W.Fang, Z. T.	Effect of superselective prostatic artery embolization on benign prostatic hyperplasia	Abdominal Radiology	46(4)		1726-1736	4

259	2021	Y. W. Tang, R. L.Ruan, D. D.Chen, X.Zhou, Y. F.Wu, S. J.Cai, S. L.Zhang, J. H.Yang, F. G.Luo, J. W.Fang, Z. T.	Retrospective observation of the efficacy and safety of prostatic artery embolization combined with transurethral resection of the prostate and simple transurethral resection of the prostate in the treatment of large (> 100 mL) benign prostatic hyperplasia	Abdominal Radiology	46	12	5746-5757	0
260	2021	Y. W. Tang, R. L.Ruan, D. D.Chen, X.Zhou, Y. F.Wu, S. J.Cai, S. L.Zhang, J. H.Yang, F. G.Luo, J. W.Fang, Z. T.	Retrospective observation of the efficacy and safety of prostatic artery embolization combined with transurethral resection of the prostate and simple transurethral resection of the prostate in the treatment of large (> 100 mL) benign prostatic hyperplasia	Abdominal Radiology	46(12)		5746-5757	10
261	2021	P. S. Svarc, H. V.Juhl Jensen, R.Frevert, S.Hakan Lindh, M.Taudorf, M.Brasso, K.Lonn, L.Roder, M. A.	Efficacy of dexamethasone in reducing the post embolisation syndrome in men undergoing prostatic artery embolisation for benign prostatic hyperplasia: protocol for a single-centre, randomised, double-blind, placebo-controlled trial - The DEXAPAE study	BMJ open	11	11		2
262	2021	J. V.-Z. Soans, M.Kum, F.Dhariwal, R.Breish, M. O.Singh, S.Mahmalji, W.Katmawi-Sabbagh, S.	Can surgical treatment for benign prostatic hyperplasia improve sexual function? A systematic review	Aging Male	23(5)		770-779	5
263	2021	N. K. Smith, J.Shah, H.	Salvage enbloc laser enucleation of prostate after prostatic artery embolization	Journal of Urology	206(SUPPL 3)		e451	4
264	2021	N. A. K. Smith, J. E.Shah, H. N.	Enbloc laser enucleation of prostate after prostatic artery embolization	Urology Video Journal	11 (no pagination)	100097		5
265	2021	F. M. Simoncini, D.Mezzetto, L.Angrisano, A.Scorson, L.Bergamaschi, G.Veraldi, G. F. H. M. Sharma, S.Sher, A.Galla, N.Titano, J.Bishay, V.Kim,	Management of distal aneurysm of the superior mesenteric artery by percutaneous ultrasound-guided Onyx injection: A case report	Vascular	29(3)		404-407	4
266	2021	E.Nowakowski, F.Patel, R.Lookstein, R.Rastinehad, A.Fischman, A.	Abstract No. 567 Prostatic artery embolization in patients with prior prostatitis	Journal of Vascular and Interventional Radiology	32(5 Supplement)		S158	8
267	2021	B. M. K. Shaparov, S. A.Kamalov, A. A.Karpov, V. K.Zlatovratskiy, A. G.	Super-selective prostatic arteries embolization in patients with benign prostate hyperplasia: prevention and treatment of complications. [Russian]	Vestnik Urologii/Urology Herald	9(4)		111-121	9

268	2021	S. O. Secco, A.Brambillasca, P. M.Barbosa, F.Pastore, A. L.Fuschi, A.Carbone, A.Gacci, M.Spatafora, P.Pieri, S.Dell'Oglio, P.Tappero, S.Trombetta, C.D'Andrea, E.Pozzi Mucelli, F.Rizzo, M.Serni, S.Liaci, A.Galfano, A.Rampoldi, A. G.Bocciardi, A. M.	P0056 Prostatic artery embolization : Results from a large multi-institutional Italian series	European Urology	79(Supplement 1)	S84	8
269	2021	S. O. Secco, A.Brambillasca, P. M.Barbosa, F.Pastore, A.Fuschi, A.Carbone, A.Gacci, M.Spatafora, P.Pieri, S.Dell'Oglio, P.Tappero, S.Trombetta, C.D'Andrea, E.Mucelli, F. P.Rizzo, M.Serni, S.Liaci, A.Galfano, A.Alfonsi, A.Morelli, F.Rampoldi, A. G.Bocciardi, A. M.	Prostatic artery embolization : Results from a large multi-institutional Italian series	Journal of Urology	206(SUPPL 3)	e8	8
270	2021	H. D. Saro, G.Ahmed, I.Thulasidasan, N.Elhage, O.Popert, R.Zaki, M.Hasan, N.Solyman, M.Sabharwal, T.	Abstract No. 582 Prostate artery embolization : technical and clinical results of 320 patients	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S163	8
271	2021	B. D. M. Sarkodie, Y. B.	Prostatic Artery Embolization with Polyzene-Coated 100 microm Microspheres in a Resource-Challenged Country: Initial Single-Centre Experience with 24 Patients	CardioVascular and Interventional Radiology	44(10)	1668-1669	5
272	2021	A. K. Sare, P.Cieslak, J. A.Gantz, O.Aly, S.Kumar, A.Patel, N.Shukla, P. A.	Perioperative Blood Loss after Preoperative Prostatic Artery Embolization in Patients Undergoing Simple Prostatectomy: A Propensity Score-Matched Study	Journal of Vascular and Interventional Radiology	32(8)	1113-1118	4
273	2021	G. B. Sampogna, F.Brambillasca, P. M.Montanari, E.Rampoldi, A.Spinelli, M.	Prostatic artery embolization in people with spinal cord injury: a safe and effective technique to ease clean intermittent catheterizations in case of concomitant benign prostatic hyperplasia	European Urology Open Science	32(Supplement 1)	S58	1

274	2021	D. B. U. Salvador Hidalgo, M.Sbriglio, M.Garcia Gamez, A.Sampere Moragas, J.Areal Calama, J.Agrede Castaneda, F.	Prostatic artery embolization treatment for patients with benign prostatic hyperplasia who are permanent urinary catheter users ineligible for de-obstructive surgery	Actas urologicas espanolas.	26		4
275	2021	A. I. Sajan, A.Bagla, S.	Prostatic Artery Embolization through the Profunda Femoris Artery	Journal of Clinical Interventional Radiology ISVIR	5(1)	48-50	4
276	2021	E. H. Rijo, R.Tabatabaei, S.Bach, T.	Minimally invasive surgery for benign prostatic obstruction: new insights and future technical standards	Current Opinion in Urology	31(5)	461-467	5
277	2021	A. A. Richardson, V.Kumar, J.Jalaeian, H.Kably, I.Bhatia, S.	Abstract No. 59 Prostate artery embolization in prostate size larger than 80 g: a single-center experience with 5-year follow up	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S26-S27	8
278	2021	A. A. Richardson, V.Kumar, J.Jalaeian, H.Kably, I.Bhatia, S.	Abstract No. 57 FEATURED ABSTRACT Prostate artery embolization : single-center experience of 576 patients with 5 years' follow-up	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S25-S26	8
279	2021	C. E. Ray	Invited Commentary: prostatic Artery Embolization Versus Transurethral Resection of the Prostate: a Post Hoc Cost Analysis of a Randomized Controlled Clinical Trial, By Capdevila et al	Cardiovascular and interventional radiology	Vol.44	11 1778-1779p	5
280	2021	J. M. Radell, S.Sher, A.Bishay, V.Kim, E.Nowakowski, F.Patel, R.Lookstein, R.Rastinehad, A.Fischman, A.	Abstract No. 39 Prostatic artery embolization in patients with recurrent lower urinary tract symptoms following failed transurethral resection of the prostate	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S18	8
281	2021	J. E. M. Radell, S. Z.Sher, A.Bishay, V.Nowakowski, F. S.Lookstein, R. A.Rastinehad, A. R.Fischman, A. M.	Safety and Efficacy of Prostatic Artery Embolization in Patients with Refractory Lower Urinary Tract Symptoms after Transurethral Resection of the Prostate	Journal of Vascular and Interventional Radiology	32(10)	1494-1496	5
282	2021	T. S. Powell, L.Liu, B.Bhatia, S.Chai, T.Ayyagari, R.	Voiding and Storage Domain-Specific Symptom Score Outcomes After Prostate Artery Embolization for Lower Urinary Tract Symptoms and Urinary Retention	Urology	156	216-224	4
283	2021	T. A. Powell, R.Staib, L.	Abstract No. 60 Prostatic artery embolization with 100- to 300-mum microspheres to treat urinary retention attributable to benign prostatic hyperplasia: a single-center analysis of 4-year outcomes	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S27	8

284	2021	T. A. Powell, R.Staib, L.	Abstract No. 61 Prostatic artery embolization with 100- to 300-mum microspheres to treat lower urinary tract symptoms attributable to benign prostatic hyperplasia: a single-center analysis of 4-year outcomes	Journal of Vascular and Interventional Radiology	32(5 Supplement)		S27	8
285	2021	J. F. A. Pike, W. F.Seckel, T. B.Schammel, C. M. G.Flanagan, W.Devane, A. M.	Prostatic Artery Embolization : An Alternative Treatment for Benign Prostatic Hyperplasia	Journal of Clinical Interventional Radiology ISVIR	5(2)		91-98	4
286	2021	D. D. Pierce, A.Davis, C.Wiegand, L.	Prostatic artery embolization for bladder outlet obstruction in the setting of prior posterior urethroplasty	Urology Case Reports	36 (no pagination)	101590		5
287	2021	J. S. Peacock, D.Maun-Garcia, L.Javedan, K.Yamoah, K.Parikh, N.	A Proof-of-Concept Study on the Use of Prostate Artery Embolization Before Definitive Radiation Therapy in Prostate Cancer	Advances in radiation oncology	6	3	100619	1
288	2021	J. S. Peacock, D.Maun-Garcia, L.Javedan, K.Yamoah, K.Parikh, N.	A Proof-of-Concept Study on the Use of Prostate Artery Embolization Before Definitive Radiation Therapy in Prostate Cancer	Advances in Radiation Oncology	6(3) (no pagination)	100619		1
289	2021	N. Y. Patel, N.Vigneswaran, G.De Preux, L.Maclean, D.Harris, M.Somani, B.Bryant, T.Hacking, N.Modi, S.	1-year cost-utility analysis of prostate artery embolization (PAE) versus transurethral resection of the prostate (TURP) in benign prostatic hyperplasia (BPH)	BMJ Surgery, Interventions, and Health Technologies	3(1) (no pagination)	e000071		3
290	2021	N. R. E. Patel, D. S.Thulasidasan, N.Altman, R.Tai, E.Zener, R.Stella, S. F.Annamalai, G.Mafeld, S.Simons, M. E.	Initial Canadian Experience of Prostate Artery Embolization for Symptomatic Benign Prostatic Hyperplasia: Midterm Outcomes	Canadian Association of Radiologists Journal	72(4)		876-882	4
291	2021	N. R. E. Patel, D. S.Annamalai, G.	Prostatic Artery Embolization in Occlusive Internal Iliac Artery Disease: The Long and Winding Road	Journal of Vascular and Interventional Radiology	32(9)		1406-1407	4
292	2021	J. F. Pascoe, C.Hashim, H.	Modern advancements in minimally invasive surgical treatments for benign prostatic obstruction	Therapeutic Advances in Urology	13	no pagination		5
293	2021	M. K. Parmar, J. E.Blachman-Braun, R.Smith, N. A.Oneto, S. M.Bhatia, S.Kryvenko, O. N.Shah, H. N.	Safety and efficacy of holmium laser enucleation of prostate as salvage procedure for persistent or recurrent lower urinary tract symptoms secondary to bladder outlet obstruction after prior prostate artery embolization : a match analysis	World journal of urology	39(11)		4199-4206	12

294	2021	C. J. S. Parkin, S.Kam, J.Schlaphoff, G.Canagasingham, B.	Unexpected case of large ureteric calculus being passed following prostatic artery embolisation	Urology Case Reports	35 (no paginatio n)	101546		4
295	2021	N. K. Parikh, E.Manley, B.Grass, G. D.Torres-Roca, J.Boulware, D.Feuerlein, S.Pow-Sang, J. M.Bagla, S.Yamoah, K.Bhatia, S.	Effectiveness and Safety of Prostatic Artery Embolization for the Treatment of Lower Urinary Tract Symptoms from Benign Prostatic Hyperplasia in Men with Concurrent Localized Prostate Cancer	Journal of Vascular and Interventional Radiology	32(7)		1053- 1061	1
296	2021	H. Ontario	Prostatic Artery Embolization for Benign Prostatic Hyperplasia: a Health Technology Assessment	Ontario health technology assessment series	Vol.21	6	1-139p	5
297	2021	O. K. Onder, A. D.Kraeft, J.Uysal, A.Karcaaltincaba, M.Akata, D.Ozmen, M. N.Hahn, P. F.	Identifying the deceiver: the non-neoplastic mimickers of genital system neoplasms	Insights into Imaging	12(1) (no paginatio n)	95		5
298	2021	Y. A. Oki, T.Nakazawa, S.Fukuhara, S.Uemura, M.Kiuchi, H.Imamura, R.Nonomura, N.	[A Case of Urinary Incontinence Due to Ectopic Ureter with Complete Urteral Duplication Successfully Treated by Transcatheter Arterial Embolization (TAE)]	Hinyokika Kiyo - Acta Urologica Japonica	67	7	317-321	1
299	2021	T. F. A. Nunes, G. P.	Prostate embolization in the treatment of benign prostatic hyperplasia: What's the point?	Radiologia Brasileira	54(4)		V-VI	5
300	2021	B. H. S. C. Ng, E.	A state-of-art review on the preservation of sexual function among various minimally invasive surgical treatments for benign prostatic hyperplasia: Impact on erectile and ejaculatory domains	Investigative and Clinical Urology	62(2)		148-158	5
301	2021	A. I. K. Neymark, A. A.Neymark, B. A.Tachalov, M. A.Arzamastsev, D. D.Torbik, D. V.Gameeva, E. V.Bobrov, B. Y.Spivak, L. G.Korolev, D. O.Tsarichenko, D. G.Rapoport, L. M.	Superselective prostatic artery embolization in the treatment of large benign prostatic hyperplasia	Urologia Journal	88(4)		374-381	4
302	2021	S. G. N. Naidu, H.Saini, G.Segaran, N.Alzubaidi, S. J.Patel, I. J.Oklu, R.	Prostate artery embolization -review of indications, patient selection, techniques and results	Journal of Clinical Medicine	10(21) (no paginatio n)	5139		5

303	2021	S. K. R. Mouli, S.Harris, K.Mylarapu, A.Burks, M.Li, W.Gordon, A. C.Khan, A.Matsumoto, M.Bailey, K. L.Pasciak, A. S.Manupipatpong, S.Weiss, C. R.Casalino, D.Miller, F. H.Gates, V. L.Hohlastos, E.Lewandowski, R. J.Kim, D. H.Dreher, M. R.Salem, R.	Yttrium-90 Radio embolization to the Prostate Gland: Proof of Concept in a Canine Model and Clinical Translation	Journal of Vascular & Interventional Radiology	32	8	1103-1112.e12	1
304	2021	P. Y. Moran, S.Golzarian, J.	Abstract No. 446 Frequency of ejaculatory dysfunction following prostate artery embolization	Journal of Vascular and Interventional Radiology	32(5	Suppleme	S108-S109	8
305	2021	S. D. Momin, A.Rao, S.	Abstract No. 537 Failure rates of pulse versus continuous fluoroscopy for the treatment of benign prostatic hyperplasia via prostatic artery embolization	Journal of Vascular and Interventional Radiology	32(5	Suppleme	S146	8
306	2021	S. D. Momin, A.Rao, S.	Abstract No. 529 Influence of body mass index on patient radiation exposure in prostate artery embolization for treatment of benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	32(5	Suppleme	S142	8
307	2021	S. D. Momin, A.Rao, S.	Abstract No. 538 Unilateral versus bilateral prostatic artery embolization in patients with benign prostatic hyperplasia: an officed-based laboratory experience using mobile C-arm	Journal of Vascular and Interventional Radiology	32(5	Suppleme	S146	8
308	2021	M. S. A. Mohamad Fairuz, J.Yusof, R.Lee, F. Y.Christopher, L. K. S.Omar Fahmy, A. F.Saiful Azli, M. Z.Arunasalam, A. P.Khairul Asri, M. G.	Prostatic artery embolization for the treatment of benign prostatic enlargement: Experience from 2 tertiary institutions	BJU International	128(SUPPL	2)	22-23	4
309	2021	S. B. Minucci, R.Giuliani, M. S.Cipriani, C.Maiorino, F.Vittori, M.Iacovelli, V.Petta, F.Panei, M.Bove, P.	Prostatic arterial embolization as a micro-invasive alternative treatment of benign prostatic obstruction: outcomes analysis under a urological point of view	European Urology Open Science	32(Supple	ment 1)	S96	4
310	2021	M. d. A. Meira, A. M.Moreira, A. M.Antunes, A. A.Carnevale, F. C.Srougi, M.	Intravesical Prostatic Protrusion Does Not Influence the Efficacy of Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	32(1)		106-112	4

311	2021	S. V. V. Mehta, D.Lewis, T.Faintuch, S.Ahmed, M.	Prostate Artery Embolization in 6 Patients Who Previously Underwent Failed Transurethral Interventions for Lower Urinary Tract Symptoms	Journal of Vascular and Interventional Radiology	32(8)		1245-1247	5
312	2021	S. S. Maron, H.Sher, A.Radell, J.Titano, J.Bishay, V.Kim, E.Nowakowski, F.Patel, R.Lookstein, R.Rastinehad, A.Fischman, A.	Abstract No. 452 Prostatic artery embolization for inpatient and emergent hematuria: a single-system experience	Journal of Vascular and Interventional Radiology	32(5 Supplement)		S111	8
313	2021	S. S. Maron, H.Galla, N.Cedillo, M.Sher, A.Titano, J.Bishay, V.Kim, E.Nowakowski, F.Patel, R.Lookstein, R.Rastinehad, A.Fischman, A.	Abstract No. 238 Causes of technical failure in bilateral prostatic artery embolization	Journal of Vascular and Interventional Radiology	32(5 Supplement)		S104	8
314	2021	D. J. A. Margolis	Letter From the Guest Editor: Prostate Imaging	Seminars in Roentgenology	56(4)		362	5
315	2021	S. L. Malde, W.Adwin, Z.Hashim, H. V. S.-M. Lucas-Cava, F. M.Garcia-Martinez, V.Lopez-Sanchez, C.Baez-Diaz, C.Davila-Gomez, L.Lima-Rodriguez, J. R.Sun, F.	Pharmacological and interventional treatment of benign prostatic obstruction: An evidence-based comparative review	BJUI Compass	2	4	238-259	5
316	2021	M.I. D. Lucas, P.Escobedo, F.Limbrick, B.Scotland, K. B.	Prostatic artery embolization : Magnetic resonance image (MRI) findings in the early detection of prostate infarction in a canine spontaneous benign prostatic hyperplasia model	Translational Andrology and Urology	10(2)		869-878	4
317	2021	J. E. Lopera	Online engagement with treatments for benign prostatic hyperplasia: Is interest in Urolift outpacing the gold standard?	Journal of Endourology	35(SUPPL 1)		A90	5
318	2021	R. G. Loffroy, K.Salet, E.Marcelin, C.Comby, P. O.Midulla, M.Grenier, N.Chevallier, O.Petitpierre, F.	Invited Commentary: Prostatic Artery Embolization for Benign Prostatic Hypertrophy-Are We Ready for Prime Time?	Radiographics : a review publication of the Radiological Society of North America, Inc	41(5)		E159-E160	5
319	2021	L. B. Lintin, T.Boardman, P.Tong, G.Tapping, C.	Prostate artery embolization using n-butyl cyanoacrylate glue for urinary tract symptoms due to benign prostatic hyperplasia: A valid alternative to microparticles?	Journal of Clinical Medicine	10(14) (no pagination)	3161		4
320	2021		Predictors of technical outcome for prostatic artery embolisation using pre-procedural CT angiography	European Radiology	31(3)		1308-1315	12

321	2021	A. J. Light, D.Gilling, P.George, G.Van Hemelrijck, M.Challacombe, B.Malde, S.Popert, R.Dasgupta, P.Elhage, O.	Erectile Function Following Surgery for Benign Prostatic Obstruction: A Systematic Review and Network Meta-analysis of Randomised Controlled Trials[Formula presented]	European Urology	80(2)		174-187	5
322	2021	H. H. Y. L. Lie, T. C. T.Tsang, C. F.Lam, W. P.Ng, A. T. L.Tsu, J. H. L.Lee, V. K. H.Lau, V.Ho, B. S. H.	Outcome of prostatic artery embolization for refractory urinary retention patients WHO have high anaesthetic risks	Surgical Practice	25(SUPPL 1)		51	4
323	2021	B. Z. Leng, C. G.Liu, S.Xu, Z. W.Tian, W.Shi, H. B.	Prostatic Artery Embolization to Achieve Freedom from Catheterization in Patients with Acute Urinary Retention Caused by Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	32(7)		1062-1067	4
324	2021	M. S. A. Lee, M.Agarwal, D.Large, T.Krambeck, A.	A Cost Comparison of Holmium Laser Enucleation of the Prostate with and without MosesTM	Urology Practice	8(6)		624-629	2
325	2021	S. P. LaRussa, M.Wilcox Vanden Berg, R.Gaffney, C. D.Askin, G.McClure, T.	Symptomatic Improvement of Lower Urinary Tract Symptoms of Benign Prostatic Hyperplasia: A Comparative Systematic Review and Meta-Analysis of 4 Different Minimally Invasive Therapies	Journal of Vascular and Interventional Radiology	32(9)		1328-1340.e11	5
326	2021	M. A. M. Knodler, C.Eifler, A.Gralnek, D. R.	Efficient holmium laser enucleation of the prostate can be performed after prostatic artery Embolization for massive prostate glands (>250 Grams)	Journal of Endourology	35(SUPPL 1)		A160-A161	2
327	2021	G. M. T. Knight, A.Salem, R.Mouli, S.	Systematic Review and Meta-analysis Comparing Prostatic Artery Embolization to Gold-Standard Transurethral Resection of the Prostate for Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	44(2)		183-193	5
328	2021	Y. J. R. Kim, R.Connolly, K.Pallav Kolli, K.Lehrman, E.	Percutaneous approach options for embolization of endoleak after iliac artery aneurysm repair: stick the sac or stick the gluteal artery	Radiology Case Reports	16(6)		1447-1450	5
329	2021	J. P. Kim, M.Chacko, B.Tannenbaum, J.Raheem, O.	Do Minimally Invasive Benign Prostatic Hyperplasia Treatments Preserve Sexual Function? A Contemporary Review of the Literature	Current Urology Reports	22(11) (no pagination)	56		5
330	2021	D. J. B. Kearns, P.Tapping, C. R.	Patterns of Reperfusion and Clinical Findings in Repeat Prostate Artery Embolisation for Recurrent Lower Urinary Tract Symptoms in Patients with Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	44(1)		95-101	2
331	2021	V. K. S. Karpov, B. M.Kapranov, S. A.A, Z. G.Kamalov, A. A.	[Super-selective prostatic artery embolization as minimally invasive surgical treatment in patients with BPH]	Urologiia (Moscow, Russia)		5	100-104	5
332	2021	V. K. S. Karpov, B. M.Kapranov, S. A.A, Z. G.Kamalov, A. A.	Super-selective prostatic artery embolization as minimally invasive surgical treatment in patients with BPH. [Russian]	Urologiia (Moscow, Russia : 1999)		5	100-104	9

333	2021	S. A. Z. Kapranov, A. G.Karpov, V. K.Shaparov, B. M.Kamalov, A. A.	Types of the prostate blood supply during super-selective embolization of prostatic arteries . [Russian]	Vestnik Urologii/Urology Herald	9(3)	32-43	9
334	2021	E. C. Kaplan-Marans, J.Wood, A.Dubowitch, E.Lee, M.Schulman, A.	Urolift and rezum : A comparison of device related adverse events in a national registry	Journal of Urology	206(SUPPL 3)	e356	8
335	2021	E. C. Kaplan-Marans, J.Wood, A.Dubowitch, E.Lee, M.Schulman, A.	Aquablation device malfunctions and complications: A review of adverse events using a national registry	Journal of Urology	206(SUPPL 3)	e176	5
336	2021	S. A. Kaplan	Re: Voiding and Storage Domain-Specific Symptom Score Outcomes after Prostate Artery Embolization for Lower Urinary Tract Symptoms and Urinary Retention: Editorial Comment	Journal of Urology	206(5)	1301	5
337	2021	S. A. Kaplan	Re: Prostatic Artery Embolization Using 100-300-um Trisacryl Gelatin Microspheres to Treat Lower Urinary Tract Symptoms Attributable to Benign Prostatic Hyperplasia: A Single-Center Outcomes Analysis with Medium-Term Follow-up: Editorial Comment	Journal of Urology	205(4)	1201	5
338	2021	M. M. Johnston, A.New, F.Ahmad, M.Kamaledeen, S.Beckett, D.Bent, C.Turner, K.Hanna, L.	Outcomes of Prostate Artery Embolisation in catheterised patients	Journal of Clinical Urology	14(1 SUPPL)	20-21	4
339	2021	M. M. Johnston, A.Ahmad, M.Kamaledeen, S.New, F.Beckett, D.Bent, C.Turner, K.Hanna, L.	Outcomes of prostate artery embolisation in catheterised patients: A case series	British Journal of Surgery	108(SUPPL 6)	vi279	4
340	2021	D. L. Jabarkhyl, A.El Hage, O.Dasgupta, P.	The impact of benign prostatic hyperplasia surgery on erectile function: A systematic review and network meta-analysis of randomized-controlled trials	Journal of Endourology	35(SUPPL 1)	A88-A89	5
341	2021	I. M. Insausti, A.	More Evidence for Repeat PAE and Different Patterns of Vascular Reperfusion of the Prostate	CardioVascular and Interventional Radiology	44(3)	518-519	2
342	2021	M. M. W. Huang, J. S.Matлага, B. R.Allaf, M. E.Koo, K.	Evidence-based analysis of online consumer information about prostate artery embolization for benign prostatic hyperplasia	Prostate Cancer and Prostatic Diseases	24(1)	106-113	5

343	2021	L. B.-B. Horodyski, R.Acharya, V.Bhatia, S.Satyanarayana, R.	Comparison between robotic-assisted simple prostatectomy and prostate artery embolization for treatment of lower urinary tract symptoms for large prostates	Journal of Urology	206(SUPPL 3)	e424	12	
344	2021	A. L. Holm, H.Blackberg, M.Augutis, M.Jakobsson, P.Tell, M.Wallinder, J.Lundstrom, K. J.Styrke, J.	Patients' perspective on prostatic artery embolization : A qualitative study	SAGE Open Medicine	9	no paginat ion	4	
345	2021	A. T. Hakime, J. K.Haab, F.Sarrazin, J. L.De Baere, T.Tselikas, L.Kuoeh, V.	Using prostate contrast retention (PCR) as the procedural endpoint in prostatic artery embolization for benign prostatic hyperplasia	European Radiology	31(12)	9150-9160	4	
346	2021	S. Gravas	TURPxit or not: the guidelines perspective-Panta Rhei	World journal of urology	39(7)	2399-2400	2	
347	2021	A. D. Goloubev, C.Davis, C.	Abstract No. 485 Effects of tobacco abuse and other patient-specific comorbidities on technical success of prostate artery embolization	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S124	8	
348	2021	N. V. Galla, N.Sher, A.Maron, S.Titano, J.Bishay, V.Kim, E.Nowakowski, F.Patel, R.Ranade, M.Lookstein, R.Fischman, A.Rastinehad, A. N. M. Galla, S. Z.Voutsinas, N.Sher, A.Tangel, M.Jue, J.	Abstract No. 521 Safety and efficacy of coil embolization of the prostate arteries post-particle embolization for lower urinary tract symptoms	Journal of Vascular and Interventional Radiology	32(5 Supplement)	S139	8	
349	2021	S.Sharma, H.Lookstein, R. A.Fischman, A. M.Rastinehad, A. R.	Adjunctive Coil Embolization of the Prostatic Arteries After Particle Embolization for Prostatic Artery Embolization	CardioVascular and Interventional Radiology	44(12)	1994-1998	4	
350	2021	A. S. Gabr, R.Mouli, S. K.	Contemporary Review of Prostate Artery Embolization for the Treatment of Benign Prostatic Hyperplasia: Technical Considerations and Long-Term Outcomes	Advances in Clinical Radiology	3	55-62	5	
351	2021	J. S.-I. Franz, R.Schoeb, D. S.Gratzke, C.Miernik, A.	[Minimally invasive treatment options for the management of benign prostatic hyperplasia]	Urologe (Ausg. A)	60	12	1601-1611	5
352	2021	J. S.-I. Franz, R.Schoeb, D. S.Gratzke, C.Miernik, A.	Minimally invasive treatment options for the management of benign prostatic hyperplasia. [German]	Urologe	60(12)	1601-1611	9	

353	2021	J. d. F. Frandon, H.Beregi, J. P.Droupy, S.	Response to the Letter to the Editor received after the publication of our article: "Early Results of Unilateral Prostatic Artery Embolization in Patients with Prostate Cancer under Active Surveillance"	Journal of Vascular & Interventional Radiology	32	8	1244-1245	1
354	2021	J. V. J. Franco, J. H.Imamura, M.Borofsky, M.Omar, M. I.Escobar Liquitay, C. M.Young, S.Golzarian, J.Veroniki, A. A.Garegnani, L.Dahm, P.	Minimally invasive treatments for lower urinary tract symptoms in men with benign prostatic hyperplasia: a network meta-analysis	Cochrane Database of Systematic Reviews	7		CD013656	5
355	2021	J. V. G. Franco, L.Escobar Liquitay, C. M.Borofsky, M.Dahm, P.	Transurethral microwave thermotherapy for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	6		CD004135	2
356	2021	J. V. A. J. Franco, J. H.Imamura, M.Borofsky, M.Omar, M. I.Escobar Liquitay, C. M.Young, S.Golzarian, J.Veroniki, A. A.Garegnani, L.Dahm, P.	Minimally invasive treatments for lower urinary tract symptoms in men with benign prostatic hyperplasia: a network meta-analysis	Cochrane Database of Systematic Reviews	2021(7) (no pagination)		CD013656	5
357	2021	J. V. A. G. Franco, L.Escobar Liquitay, C. M.Borofsky, M.Dahm, P.	Transurethral microwave thermotherapy for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	2021(6) (no pagination)		CD004135	10
358	2021	E. G. Emekli, E.Ozen, A.Kucukay, F.	A rare case of ureteral diverticulum incidentally detected during angiography	Current Medical Imaging	17(4)		549-551	4
359	2021	S. A. Emami, F.Shakiba, B.Moghimian, M.Mirzaasgari, Z.	Loss of vision after transurethral resection of prostate: A case report	Urology Case Reports	38 (no pagination)		101739	4
360	2021	J. M. P. d. D. Elia Martinez, R.Gallart Ubeda, V.Elia Martinez, I.Losar Sogues Colom, A.	[Aneurysmal bone cyst in the sacrum: Case report and literature review]	Rehabilitacion	55	4	312-315	5
361	2021	F. G. A. Eldem, F.Ocal, O.Bozaci, A. C.Gudeloglu, A.Peynircioglu, B.	Angiographic prostatic arterial anatomy in a turkish population with benign prostatic hyperplasia	Turkish Journal of Medical Sciences	51(2)		518-522	4

362	2021	C. F. Du, P.Far, S. M.Chen, A.Shah, K.Kim, J.	Statewide trends for the management of benign prostatic hyperplasia with minimally invasive surgical therapies over two decades	Neurourology and Urodynamics	40(SUPPL 1)		S193-S194	8
363	2021	U. S. d. M. Dias, M. R. L.Viana, P. C. C.de Assis, A. M.Marcelino, A. S. Z.Moreira, A. M.Leite, C. C.Cerri, G. G.Carnevale, F. C.Horvat, N.	Prostatic Artery Embolization : Indications, Preparation, Techniques, Imaging Evaluation, Reporting, and Complications	Radiographics : a review publication of the Radiological Society of North America, Inc	41(5)		1509-1530	5
364	2021	T. M. Di Vico, I.Mosillo, L.Piccirilli, A.Catalano, C.Lorenzi, L.Vocaturro, V. A. M. M. de Assis, A.	Prostatic artery embolization versus transurethral resection of the prostate: assessment of safety and efficacy	European Urology Open Science	32(Supplement 1)		S95-S96	8
365	2021	M.Carnevale, F. C.Zafred Marcelino, A. S.Antunes, A. A.Srougi, M.Cerri, G. G. A. M. M. De Assis, A.	Role of Ultrasound Elastography in Patient Selection for Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	32(10)		1410-1416	12
366	2021	M.Carnevale, F. C.Lanz-Luces, J. R.	Prostatic artery embolization for giant prostatic hyperplasia: A single-center experience	Radiologia Brasileira	54(4)		219-224	4
367	2021	P. M. Dahm, R.McKenzie, L.Jung, J. H.Greer, N.Wilt, T. W. T. N. J. Culp, E. G.Giuffrida, M. A.Palm, C. A.Skorupski, K.	Newer Minimally Invasive Treatment Modalities to Treat Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia	European urology open science	26		72-82	5
368	2021	A.Burton, J. H.Rebhun, R. B.Willcox, J. L.Kent, M. S.Rodriguez, C. O.Glaiberman, C. B.	Procedural description and prospective evaluation of short-term outcome for the use of prostatic artery embolization in dogs with carcinoma of the prostate	Journal of the American Veterinary Medical Association	259	10	1154-1162	6
369	2021	D. Cucinotta	Pros and cons in general medicine and geriatrics, 2020	Acta Biomedica	92(1) (no pagination)	e2021079		5
370	2021	N. D. Couteau, I.Frederic, P.Thiounn, N.Timsit, M. O.Mejean, A.Pinar, U.Audenet, F.	Ejaculations and benign prostatic hyperplasia: An impossible compromise? a comprehensive review	Journal of Clinical Medicine	10(24) (no pagination)	5788		5

371	2021	J. N. Cornu	Prostatic Artery Embolisation for Male Lower Urinary Tract Symptoms Related to Benign Prostatic Obstruction: Curative Option or Watchful Waiting?	European Urology	80(1)		43-45	5
372	2021	P. O. G. Comby, K.Chevallier, O.Lenfant, M.Pellegrinelli, J.Falvo, N.Midulla, M.Loffroy, R.	Endovascular use of cyanoacrylate-lipiodol mixture for peripheral embolization : Properties, techniques, pitfalls, and applications	Journal of Clinical Medicine	10(19) (no pagination)	4320		5
373	2021	E. Chung	Penile Glans Necrosis following Prostatic Artery Embolization for the Treatment of Benign Prostatic Hyperplasia: A Rare but Serious Complication	Case Reports Urology	2021		6662899	4
374	2021	D. S. Choksi, B.Tran, K.Khavari, R.	Contemporary Review of MRI in Benign Genitourinary Pelvic Medicine: What Every Urologist Should Know	Current Bladder Dysfunction Reports	16(3)		52-63	5
375	2021	E. V. Checcucci, A.De Cillis, S.Piramide, F.Volpi, G.Amparore, D.Pecoraro, A.Piana, A.Granato, S.Verri, P.Sica, M.Meziere, J.Carbonaro, B.Piscitello, S.Zamengo, D.Cacciamani, G.Okhunov, Z.Puliatti, S.Taratkin, M.Marenco, J.Gomez Rivas, J.Veneziano, D.Carbonara, U.Russo, G. I.De Luca, S.Manfredi, M.Fiori, C.Autorino, R.Porpiglia, F.	New Ultra-minimally Invasive Surgical Treatment for Benign Prostatic Hyperplasia: A Systematic Review and Analysis of Comparative Outcomes	European Urology Open Science	33		28-41	5
376	2021	F. C. M. Carnevale, T.Cadour, F.Vidal, V.de Assis, A. M.Moreira, A. M.Rocha, A. D. D.Rebet, A.Nutting, C. F. D. Burckenmeyer,	Advanced image guidance for prostatic artery embolization - a multicenter technical note	CVIR Endovascular	4(1) (no pagination)	63		5
377	2021	I.Kriechenbauer, T.Lehmann, T.Franziel, T.Malouhi, A.Grimm, M. O.Teichgraber, U.Aschenbach, R.	Prostatic Artery Embolization : Influence of Cone-Beam Computed Tomography on Radiation Exposure, Procedure Time, and Contrast Media Use	Cardiovascular & Interventional Radiology	44	7	1089-1094	4
378	2021	D. O. B. Buller, K.	In turp-etuity? historical treatments for bph and consideration of their modern-day analogues	Journal of Urology	206(SUPPL 3)		e239	1

379	2021	T. L. G.-B. Bui, J.Chahine, C.Mehta, R.Wolfe, T.Bhatte, P.Rupasinghe, M.Carbone, J.Haider, M. A.Giganti, F.Giona, S.Oto, A.Lee, G.Houshyar, R.	Prostate minimally invasive procedures: complications and normal vs. abnormal findings on multiparametric magnetic resonance imaging (mpMRI)	Abdominal Radiology	46(9)	4388-4400	5
380	2021	T. G.-B. Bui, J.Bhatte, P.Rupasinghe, M.Carbone, J.Mehta, R.Wolfe, T.Houshyar, R.	Prostate Magnetic Resonance Imaging after Minimally Invasive Procedures: Normal Findings and Complications	Journal of Investigative Medicine	69(1)	288	5
381	2021	S. B. Braithwaite, P.Tapping, C.Macdonald, A.	Early Total Recanalization of the Prostate Artery and Reperfusion of the Prostate following Particle Embolization for Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	32(7)	1096-1098	5
382	2021	T. G. Boeken, A.Moussa, N.Del Giudice, C.Abed, A.Dean, C.Pellerin, O.Sapoval, M.	Impact of anatomy type of prostatic artery on the number of catheters needed for prostatic artery embolization	Diagnostic and Interventional Imaging	102(3)	147-152	4
383	2021	T. D. G. Boeken, A.Moussa, N.Del Giudice, C.Dean, C.Pellerin, O.Sapoval, M.	Association between intravesical prostatic protrusion and clinical outcomes in prostatic artery embolization	Diagnostic and Interventional Imaging	102(3)	141-145	4
384	2021	S. K. Bhatia, J.Acharya, V.Jalaeian, H.Bryant, E.Harward, S.Sinha, V.Kably, I.Kava, B.	108 Erectile Function Following Prostate Artery Embolization in Patients with Larger Prostate Glands: A Large Single Center Experience	Journal of Sexual Medicine	18(3 Supplement 1)	S56-S57	4
385	2021	S. K. Bhatia, J.Acharya, V.Jalaeian, H.Bryant, E.Harward, S.Sinha, V.Kably, I.Kava, B.	Erectile Function Following Prostate Artery Embolization in Patients with Larger Prostate Glands: A Large Single Center Experience	Journal of Sexual Medicine	18(Supplement 1)	S56-S57	5
386	2021	R. M. Bertolo, S.Cipriani, C.Silvia Giuliani, M.Maiorino, F.Vittori, M.Bove, P.	Prostatic arterial embolization as a micro-invasive alternative for benign prostatic obstruction: The urologist's perspective	Journal of Urology	206(SUPPL 3)	e488-e489	4
387	2021	M. G. Barral, F.Lassalle, L.Ammar, M. B.Najdawi, M.Razakamanantsoa, L.Renard-Penna, R.Cussenot, O.Cornelis, F. H.	Limiting radiation exposure during prostatic arteries embolization : influence of patient characteristics, anatomical conditions, and technical factors	European Radiology	31(9)	6471-6479	4
388	2021	A. N. Balasubramanian, H.Barbieri, C. E.Tagawa, S. T.McClure, T. D.	Re: Early Results of Unilateral Prostatic Artery Embolization as a Focal Therapy in Patients with Prostate Cancer under Active Surveillance: Cancer Prostate Embolization, a Pilot Study	Journal of Vascular and Interventional Radiology	32(8)	1243-1244	5

389	2021	R. Ayyagari	Author Reply		Urology	156		224	5
390	2021	Anonymous	Prostatic Artery Embolization for Benign Prostatic Hyperplasia: A Health Technology Assessment		Ontario Health Technology Assessment Series	21	6	1-139	5
391	2021	Anonymous	Ontario health technology assessment series: Prostatic artery embolization for benign prostatic hyperplasia: A health technology assessment		Ontario Health Technology Assessment Series	21(6)		1-139	5
392	2021	Anonymous	Abstracts Chosen by the Annual Scientific Meeting Committee		Journal of Vascular and Interventional Radiology	32(5 Suppleme nt)		S1	8
393	2021	M. E. Amato, A.Puliatti, S.Di Chiacchio, G.Malossi, M.Fiocchi, F.Torricelli, P.Sighinolfi, M. A. C.Milandri, R.Zoeir, A.Gameel, T.Micali, S.Bianchi, G.Rocco, B.	Prostatic artery embolization for the management of benign prostatic hyperplasia/lower urinary tract symptoms in elderly patients unfit for surgery: Our initial experience		Archivos espanoles de urologia	74(2)		254-260	4
394	2021	A. M. B. Al Khayal, F. K.Alferayan, T. A.Alrabeeah, K. A.Abumelha, S. M.	Current surgical procedures for benign prostatic hyperplasia and impression of new surgical modalities		Urology Annals	13	2	95-100	10
395	2021	A. B. Al Khayal, F.Alferayan, T.Alrabeeah, K.Abumelha, S.	Current surgical procedures for benign prostatic hyperplasia and impression of new surgical modalities		Urology Annals	13(2)		95-100	1
396	2021	V. P. Acharya, T.Clode, H.Shah, K.Jalaeian, H.Bhatia, S.	Abstract No. 455 Radiation doses with increased experience in prostatic artery embolization for benign prostatic hypertrophy: a single-institution series		Journal of Vascular and Interventional Radiology	32(5 Suppleme nt)		S112- S113	8
397	2021	V. B. Acharya, E.Jalaeian, H.Shah, K.Kava, B.Bhatia, S.	Abstract No. 58 Erectile function following prostate artery embolization : a large single-center experience in 225 patients		Journal of Vascular and Interventional Radiology	32(5 Suppleme nt)		S26	8
398	2021	D. Z. Abt, V.Hechelhammer, L.	Commentary on the Article "Systematic Review and Meta-Analysis Comparing Prostatic Artery Embolisat ion to Gold-Standard Transurethral Resection of the Prostate for Benign Prostatic Hyperplasia"		CardioVascular and Interventional Radiology	44(2)		194-195	5
399	2021	D. u. I. Abt, G.Hechelhammer, L.Markart, S.uuml;sewell, S.Schmid, H. P.Mordasini, L.Engeler, D. S.	Prostatic Artery Embolisat ion Versus Transurethral Resection of the Prostate for Benign Prostatic Hyperplasia: 2-yr Outcomes of a Randomised, Open-label, Single-centre Trial		European urology	Vol.80	1	34-42p	10

400	2021	D. S. Abt, H. P. Speakman, M. J.	Reasons to consider prostatic artery embolization	World journal of urology	39(7)	2301-2306	4
401	2021	D. M. Abt, G. Hechelhammer, L. Markart, S. Gusewell, S. Schmid, H. P. Mordasini, L. Engeler, D. S.	Prostatic Artery Embolisation Versus Transurethral Resection of the Prostate for Benign Prostatic Hyperplasia: 2-yr Outcomes of a Randomised, Open-label, Single-centre Trial [Formula presented]	European Urology	80(1)	34-42	10
402	2021	D. M. Abt, G. Hechelhammer, L. Markart, S. Gusewell, S. Schmid, H. P. Engeler, D. S.	P0055 Prostatic Artery Embolisation (PAE) versus Transurethral Resection of the Prostate (TURP) for benign prostatic hyperplasia: two-year outcomes of a randomised, openlabel, single-centre trial	European urology	79		8
403	2021	R. E. H. Abdul Rahim, G. Nik Ismail, N. A. Zakaria, R.	Outcomes of prostate artery embolisation in patients with severe symptoms of benign prostate hyperplasia	Malaysian Journal of Medical Sciences	28(6)	55-63	4
404	2021	A. A. E. Abdelkader, M. Hetta, W. Soliman, A. H.	Efficacy of unilateral prostatic artery embolization in treatment of benign prostatic hyperplasia	Journal of Cardiovascular Disease Research	12(3)	1656-1663	4
405	2021		PROARTE -PROstate ARTery to Reduce the Symptoms of Benign Prostatic Hyperplasia				7
406	2021		Clinical study of prostatic artery embolization for benign prostatic hyperplasia				4
407	2020	V. B. Zumstein, P. Vetterlein, M. W. Kluth, L. A. Hechelhammer, L. Mordasini, L. Engeler, D. S. Kessler, T. M. Schmid, H. P. Abt, D. Kaplan, S. A.	Re: Prostatic Artery Embolization versus Standard Surgical Treatment for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia: A Systematic Review and Meta-Analysis	Journal of Urology	204(6)	1356-1357	5
408	2020	Z. G. Zhou, Z. Wu, J. Cui, Y.	Transurethral resection of the prostate versus prostatic artery embolization in the treatment of benign prostatic hyperplasia: a meta-analysis	World journal of urology	38(8)	2069-2070	5
409	2020	J. L. Y. Zhang, B. Wang, M. Q. Fu, J. X. Duan, F. Wang, T. Shen, L. Wang, Y. Liu, J. H. Shen, Y. G. Wang, X. Q. Zhang, H. T. Li, H. W. Yan, J. Y. Song, Z. G.	Prostatic Artery Embolization for Benign Prostatic Hyperplasia: Bleomycin-Eluting versus Bland Microspheres in a Canine Model	Journal of Vascular and Interventional Radiology	31(5)	820-830	6
410	2020	L. E. Zarling, H. Bhutani, G. Ziemlewick, T. Matkowskyj, K. A. Kyriakopoulos, C. E.	Polycystic liver disease in a patient with metastatic renal cell carcinoma: A case report	Anticancer Research	40(3)	1527-1534	4

411	2020	B. W. Yuan, Y.Wang, M.Zhang, J.Yan, J.Yuan, K.Fu, J.Wang, X.	Prostate artery embolization for the treatment of urinary retention caused by large (>80 mL) benign prostatic hyperplasia: Results of 21 patients	Journal of Interventional Medicine	3(3)		142-145	4
412	2020	S. G. Young, J.	Prostate Artery Embolization : State of the Evidence and Societal Guidelines	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100695		5
413	2020	S. G. Young, A.Jalaeian, H.Golzarian, J.	Biomarkers in the setting of benign prostatic hyperplasia-induced lower urinary tract symptoms: What an interventional radiologist needs to know	British Journal of Radiology	93(1114) (no pagination)	2E+07		5
414	2020	M. R. R. Yasuda, L. A.Fagenholz, P. J.Hoang, M. P.	Case 33-2020: A 55-year-old man with abdominal pain, joint swelling, and skin lesions	New England Journal of Medicine	383(17)		1664-1671	4
415	2020	S. T. Yalcin, L.	Indications, techniques, and role of new minimally invasive benign prostate hyperplasia surgical options	Turkish Journal of Urology	46	Supp. 1	S79-S91	5
416	2020	X. J. L. Xu, J.Huang, X. Z.Liu, Q.	An updated meta-analysis of prostatic arterial embolization versus transurethral resection of the prostate in the treatment of benign prostatic hyperplasia	World journal of urology	38(10)		2455-2468	5
417	2020	T. T. Wong, M.Acharya, V.Hoffmann, J. C.	Prostatic Artery Embolization and Sexual Function: Literature Review and Comparison to Other Urologic Interventions	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100693		5
418	2020	S. M. T. Walker, B.	Role of mpMRI in Benign Prostatic Hyperplasia Assessment and Treatment	Current Urology Reports	21(12) (no pagination)	55		5
419	2020	N. G. Voutsinas, N.Sher, A.Maron, S.Bishay, V.Ranade, M.Titano, J.Nowakowski, F.Kim, E.Patel, R.Lookstein, R.Rastinehad, A.Fischman, A. G. H. uuml;llhaupt, L.Diener, P.	4:21 PM Abstract No. 71 Radial versus femoral artery access in prostate artery embolization : a multicenter experience in a major health system	Journal of Vascular and Interventional Radiology	31(3) Supplement)		S34-S35	8
420	2020	A.Engeler, D. S.uuml;sewell, S.Schmid, H. P.Mordasini, L.Abt, D.	Ejaculatory disorders after prostatic artery embolization : a reassessment of two prospective clinical trials	World journal of urology	Vol.38	10	2595-2599p	0

421	2020	A. B. H. Uflacker, Z. J. Baerlocher, M. O. Bhatia, S. S. Carnevale, F. C. Dariushnia, S. R. Faintuch, S. Gaba, R. C. Golzarian, J. Midia, M. Nikolic, B. Sapoval, M. R. Walker, T. G.	Society of Interventional Radiology Research Reporting Standards for Prostatic Artery Embolization	Journal of Vascular & Interventional Radiology	31	6	891-898.e1	5
422	2020	S. E. Tummala, A. Acharya, V. Bhatia, S.	Prostate Arterial Anatomy: A Primer for Interventional Radiologists	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100689		5
423	2020	A. T. L. Theurich, L. Franiel, T. Foller, S. Teichgraber, U. Grimm, M. O.	Influence of prostate artery embolization on different qualities of micturition disorders	European Urology Open Science	19(Supplement 2)		e2173-e2174	4
424	2020	D. P. Szaflarski, D. Gill, A. Fareed, K. Ulchaker, J. Karuppasamy, K. Haddadin, I.	3:18 PM Abstract No. 338 Efficacy of coil embolization for prostate artery bleeding	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S153	8
425	2020	P. T. Svarc, M. Nielsen, M. B. Stroomberg, H. V. Roder, M. A. Lonn, L.	Post embolization Syndrome after Prostatic Artery Embolization: A Systematic Review	Diagnostics	10(9) (no pagination)	659		5
426	2020	F. L.-C. Sun, V. Sanchez-Margallo, F. M.	Clinical predictive factors in prostatic artery embolization for symptomatic benign prostatic hyperplasia: A comprehensive review	Translational Andrology and Urology	9(4)		1754-1768	5
427	2020	A. S. Stezewska, M. Zabicki, B. Salagierski, M.	The application of prostate artery embolization in the management of intractable prostate bleeding	Central European Journal of Urology	73(3)		328-335	5
428	2020	K. D. Spradling, S. Brubaker, W. D. Gill, H. Conti, S.	Prostate Artery Embolization Used in the Management of Transfusion-Dependent Hematuria after Prostatic Urethral Lift Procedure in a Patient with Thrombocytopenia: A Case Report	Journal of Endourology Case Reports	6(3)		238-240	4
429	2020	A. S. M. Somwaru, S. Flisnik, L. M. Nellamattathil, M. G. Sharma, A. Katabathina, V. S.	Prostate artery embolization has long term efficacy for treatment of severe lower urinary tract symptoms from giant prostatic hyperplasia	BMC Urology	20(1) (no pagination)	153		4
430	2020	K. A. Shah, V. Bhatia, S.	4:21 PM Abstract No. 345 Utility of the Sniper Balloon Occlusion Microcatheter in prostate artery embolization : early institutional experience	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S157	8

431	2020	S. B. Secco, P. M.Dell'Oglio, P.Barbosa, F.Charalambous, S.Galfano, A.Alfonsi, A.Morelli, F.Vercelli, R.Solcia, M.Nichelatti, M.Spinelli, M.Bocciardi, A. M.Rampoldi, A. G.	Evaluation of the efficacy of prostatic artery embolization (PAE) in patients with benign outlet obstruction (BOO) due to intravesical prostatic protrusion: clinical findings and computerized assessments of volumetric data achieved from prostatic mpMRI	European Urology Open Science	20(Supplement 2)		S82	8
432	2020	S. B. Secco, F.Brambillasca, P. M.Dell'oglio, P.Barbieri, M.Caviglia, A.Buratto, C.Migliorisi, C.Napoli, G.Di Trapani, D.Vercelli, R.Solcia, M.Strada, E.Petralia, G.Bocciardi, A. M.Rampoldi, A.Galfano, A.	Current urological indications for Prostatic Artery Embolization (PAE) in a referral hospital	European Urology Open Science	19(Supplement 2)		e2172	4
433	2020	D. S. R. Schob, A. C.Gross, A. J.Abt, D.Miernik, A.Gratzke, C.	[Novel surgical techniques for treatment of benign prostatic hyperplasia]	Urologe (Ausg. A)	59	3	347-358	5
434	2020	D. S. R. Schob, A. C.Gross, A. J.Abt, D.Miernik, A.Gratzke, C.	Novel surgical techniques for treatment of benign prostatic hyperplasia. [German]	Urologe	59(3)		347-358	9
435	2020	A. P. Sare, A.Kothari, P.Kumar, A.Patel, N.Shukla, P. A.	Readability Assessment of Internet-based Patient Education Materials Related to Treatment Options for Benign Prostatic Hyperplasia	Academic Radiology	27(11)		1549-1554	5
436	2020	A. P. Sare, A.Kothari, P.Kumar, A.Patel, N.Shukla, P.	Abstract No. 640 Readability assessment of internet-based patient education materials related to treatment options for benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S277	8
437	2020	M. S. Sapoval, T.	More Evidence Support PAE: Results of Sham Comparison	CardioVascular and Interventional Radiology	43(11)		1738-1739	2
438	2020	Y. R. A. Samir, M. E.Radwan, A. I.	Prostatic artery embolization (the perfected technique) versus turp for treating benign prostatic hyperplasia (BPH)	QJM : monthly journal of the Association of Physicians	Vol.113	SUPPL 1	i257-i258p	8
439	2020	L. V. D. Rozhchenko, N. V.Petrov, A. E.Goroshchenko, S. A.	[Molecular mechanisms of growth and recurrence of cerebral arterio venous malformations: part 2 (our own research)]	Zhurnal Voprosy Neurokhirurgii Imeni N - N - Burdenko	84	2	35-41	1

440	2020	L. V. Rozhchenko	[Molecular mechanisms of growth and relapse of cerebral arteriovenous malformations]	Zhurnal Voprosy Neirokhirurgii Imeni N - N - Burdenko	84	1	94-100	10
441	2020	D. G. C. Roberts, T. E.Okafor, E.Naik, P.Harrison, B.Tse, G.Plotnik, A. N.McWilliams, J. P.	Prostatic Artery Embolization for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia: A Call for Universal Adoption of Ejaculatory Function Reporting	Journal of Vascular and Interventional Radiology	31(12)		2153- 2156	5
442	2020	A. S. Richardson, B.Clode, H.Kably, I.Bhatia, S.	4:03 PM Abstract No. 69 Prostatic artery embolization for treatment of hematuria of prostatic origin: a single-center analysis	Journal of Vascular and Interventional Radiology	31(3 Suppleme nt)		S34	8
443	2020	A. J. A. Richardson, V.Kably, I.Bhatia, S.	Prostatic Artery Embolization : Variant Origins and Collaterals	Techniques in Vascular and Interventional Radiology	23(3) (no paginatio n)	100690		5
444	2020	S. L. Reis, M.Haider, S.Brejt, S.	3:54 PM Abstract No. 333 Google trends predict patient awareness gap for minimally invasive procedures	Journal of Vascular and Interventional Radiology	31(3 Suppleme nt)		S151	8
445	2020	O. F. U. Rehman, M.Waqar, M.Murtaza, B.Khan, A.Khan, A. R.	Aneurysmal intra-renal arteriovenous malformation: A rare occurrence	European Urology Open Science	21(Supple ment 2)		S83-S84	4
446	2020	T. K. Powell, D.Ayyagari, R.	Benign Prostatic Hyperplasia: Clinical Manifestations, Imaging, and Patient Selection for Prostate Artery Embolization	Techniques in Vascular and Interventional Radiology	23(3) (no paginatio n)	100688		5
447	2020	T. B. Powell, S.Ayyagari, R.	Current Debates Regarding Optimal Patient Evaluation and Procedural Technique for Prostatic Artery Embolization	Techniques in Vascular and Interventional Radiology	23(3) (no paginatio n)	100696		5
448	2020	J. M. B. Pisco, T.Costa, N. V.Torres, D.Pisco, J.Pinheiro, L. C.Oliveira, A. G.	Randomised Clinical Trial of Prostatic Artery Embolisation Versus a Sham Procedure for Benign Prostatic Hyperplasia	European urology	Vol.77	3	354-362p	10
449	2020	B. B. Patel, G.Ruohoniemi, D.Sista, A.Taslakian, B.Horn, C.	Abstract No. 379 Building a prostate artery embolization service line: understanding the revenue	Journal of Vascular and Interventional Radiology	31(3 Suppleme nt)		S171	8

450	2020	A. L. A. S. Pastore, Y.Fuschi, A.Velotti, G.Capone, L.Scalzo, S.Martocchia, A.Costantini, E.Illiano, E.Carbone, A.	Functional and sexual outcomes of prostate artery embolization : A prospective long-term follow-up, large cohort study	Neurourology and Urodynamics	39(SUPPL 4)		S69-S70	4
451	2020	J. K. D. Parsons, P.Kohler, T. S.Lerner, L. B.Wilt, T. J. N. K. Parikh, E.Sharma, A.Roca, M.Manley, B.Poch, M.Grass, G.	Surgical Management of Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia: AUA Guideline Amendment 2020	Journal of Urology	204(4)		799-804	5
452	2020	D.Torres-Roca, J.Boulware, D.Johnstone, P.Montejo, M.Smith, J.Pow-Sang, J.Yamoah, K.	Prostatic Artery Embolization Is Safe and Effective for Medically Recalcitrant Radiation-Induced Prostatitis	Advances in Radiation Oncology	5(5)		905-909	1
453	2020	N. A. Parikh, V.Bhatia, S.	Prostate Artery Embolization - Adverse Events and Peri-Procedural Management	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100692		5
454	2020	M. L. Pandolfi, A.Gurgitano, M.Arrichiello, A.Di Meglio, L.Roda, G. M.Guadagni, A.Angileri, S. A.Ierardi, A. M.Buccimazza, G.Donat, D.Paolucci, A.Carrafiello, G.	Prostatic artery embolization in patients with benign prostatic hyperplasia: perfusion cone-beam CT to evaluate planning and treatment response	Acta Bio-Medica de l Ateneo Parmense	91	10-S	e2020013	5
455	2020	M. L. Pandolfi, A.Gurgitano, M.Arrichiello, A.Di Meglio, L.Roda, G.Guadagni, A.Angileri, S. A.Ierardi, A. M.Paolucci, A.Carrafiello, G.	Prostatic artery embolization in patients with benign prostatic hyperplasia: Perfusion cone-beam ct to evaluate planning and treatment response	Acta Biomedica	91(Supplement 10) (no pagination)	e2020013		5
456	2020	M. Oelke	Benign prostatic syndrome - Surgical therapy. [German]	Medizinische Monatsschrift fur Pharmazeuten	43(8)		306-310	9
457	2020	A. S. D. Nikolaev, A. V.Istomina, T. K.	[Direct spontaneous high-flow carotid-cavernous fistula in a 9-month-old child after nasolacrimal duct repair]	Zhurnal Voprosy Neurokhirurgii Imeni N - N - Burdenko	84	3	97-101	5

458	2020	C. M. C. Ng, K.Cheng, B.Chak, H.Chan, W.Ming, S.Yu, P.So, H. S.	Comparison of prostatic artery embolisation (PAE) with transurethral resection of the prostate (TURP) for high-risk surgical candidates in obstructive uropathy or refractory retention: A prospective cohort study	International Journal of Urology	27(SUPPL 1)		113	8
459	2020	C. A. Netsch, D.Rieken, M.Gross, A. J.	A (new) revolution in the treatment of benign prostatic hyperplasia? Aqua-ablation and prostate embolization . [German]	Urologe	59(10)		1177-1186	9
460	2020	C. A. Netsch, D.Rieken, M.Gross, A. J.	A (new) revolution in the treatment of benign prostatic hyperplasia? Aqua-ablation and prostate embolization	Der Urologe	Ausg. A. Vol.59	10	1177-1186p	5
461	2020	G. H. Mullhaupt, L.Diener, P. A.Engeler, D. S.Gusewell, S.Schmid, H. P.Mordasini, L.Abt, D.	Ejaculatory disorders after prostatic artery embolization : a reassessment of two prospective clinical trials	World journal of urology	38(10)		2595-2599	0
462	2020	H. D. Moschouris, A.Anagnostopoulou, A.Stamatiou, K.Malagari, K.	Sonographic evaluation of prostatic artery embolization : Far beyond size measurements	World Journal of Radiology	12	8	172-183	5
463	2020	A. M. d. A. Moreira, A. M.Carnevale, F. C.Oliveira, D. S.Antunes, A. A.	Improvements in Irritative Versus Obstructive Symptoms of the International Prostate Symptom Score After Prostatic Artery Embolization in 174 Patients, in a Single Center	CardioVascular and Interventional Radiology	43(4)		613-619	4
464	2020	R. R. Monreal, C.Sanchez-Casado, M.Ciampi, J. J.Lopez-Guerrero, M.Ruiz-Salmeron, R. J.Lanciego, C.	Embolisation of prostate arteries in benign prostatic hyperplasia in non-surgical patients	Radiologia	62(3)		205-212	4
465	2020	A. G. Miernik, C.	Current treatment for benign prostatic hyperplasia	Deutsches Arzteblatt International	117		843-854	5
466	2020	L. T. Marzano, N.Pereira, H.Pellerin, O.Darlane, C.Del Giudice, C.Amouyal, G.Dean, C.Sapoval, M.	Prostatic Artery Embolization Allows to Maintain Full Sexual Activity in Patients Suffering from Bothersome Lower Urinary Tracts Symptoms related to Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	43(8)		1202-1207	4
467	2020	S. Z. S. Maron, A.Kim, J.Lookstein, R. A.Rastinehad, A. R.Fischman, A.	Effect of Median Lobe Enlargement on Early Prostatic Artery Embolization Outcomes	Journal of Vascular and Interventional Radiology	31(3)		370-377	4
468	2020	S. Z. C. Maron, M. A.Sher, A.Kim, J.Fischman, A. M.	Use of 70- to 150- μ m Radiopaque Spherical Embolics for Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	31(7)		1084-1089	4

469	2020	S. R. Maron, J.Sher, A.Voutsinas, N.Galla, N.Bishay, V.Kim, E.Nowakowski, F.Patel, R.Ranade, M.Lookstein, R.Rastinehad, A.Fischman, A.	Abstract No. 689 Prostate artery embolization in patients with prior transurethral resection of the prostate: a feasibility study	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S296-S297	8
470	2020	J. J. M. Manov, P. P.Kava, B.Bhatia, S.	Benign Prostatic Hyperplasia: A Brief Overview of Pathogenesis, Diagnosis, and Current State of Therapy	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100687	5
471	2020	B. R. Malling, M. A.Lauridsen, C.Lonn, L.	Can computed tomography perfusion predict treatment response after prostate artery embolization : A feasibility study	Diagnostics	10(5) (no pagination)	diagnostics10050304	5
472	2020	S. S. Malde, E.	Personalized care for male LUTS: have we attained the holy grail?	Nature Reviews Urology	17(11)	607-608	2
473	2020	S. R. Madersbacher, C. G.Oelke, M.	The role of novel minimally invasive treatments for lower urinary tract symptoms associated with benign prostatic hyperplasia	BJU International	126(3)	317-326	5
474	2020	S. O. Madersbacher, M.Hacker, A.Bschleipfer, T.	[Sophisticated surgical management of distinctive patients with benign prostatic hyperplasia (BPH)]	Urologe (Ausg. A)	59	10 1168-1176	5
475	2020	S. O. Madersbacher, M.Hacker, A.Bschleipfer, T.	Sophisticated surgical management of distinctive patients with benign prostatic hyperplasia (BPH). [German]	Urologe	59(10)	1168-1176	9
476	2020	D. H. Maclean, M.Long, J.Modi, S.Bryant, T. J.Hacking, N.	The First 48 Consecutive Patients with 3-Year Symptom Score Follow-Up Post-Prostate Artery Embolization (PAE) at a Single-Centre University Hospital	CardioVascular and Interventional Radiology	43(3)	459-465	4
477	2020	L. G. G. Luciani, F.Malossini, G.	Re: Jan-Niclas Mumm, Andreas Osterman, Michael Ruzicka, et al. Urinary Frequency as a Possible Overlooked Symptom in COVID-19 Patients: Does SARS-CoV-2 Cause Viral Cystitis? Eur Urol. In press. https://doi.org/10.1016/j.eururo.2020.05.013 : Severe Involvement of the Urinary Tract During COVID-19 Infection	European Urology	78(3)	e129-e130	5
478	2020	V. S. M. Lucas Cava, F. M.Baez Diaz, C.Davila Gomez, L.Lima Rodriguez, J. R.Sun, F.	Prostatic artery embolization with polyethylene glycol microspheres: evaluation in a canine spontaneous benign prostatic hyperplasia model	CVIR Endovascular	3(1) (no pagination)	44	6
479	2020	S. D. V. Lokeshwar, D.Lima, T. F. N.Blachman-Braun, R.Ramasamy, R.	A Systematic Review of Reported Ejaculatory Dysfunction in Clinical Trials Evaluating Minimally Invasive Treatment Modalities for BPH	Current Urology Reports	21(12) (no pagination)	54	5

480	2020	Y. T. P. Lin, H.Pellerin, O.Dean, C.Thiounn, N.Sapoval, M.	Four-Year Impact of Voiding and Storage Symptoms in Patients with Benign Prostatic Hyperplasia Treated with Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	31(9)	1460-1466	4
481	2020	Z. S. Liang, D.Li, L.Cao, L.Liu, J.Chen, Y.	Interventional embolization for treatment of benign prostatic hyperplasia patients with common trunk of prostate artery and dorsal penile artery. [Chinese]	Chinese Journal of Interventional Imaging and Therapy	17(6)	321-324	9
482	2020	X. L. Li, B.Ullah, M. W.Panday, R.Cao, J.Li, Q.Zhang, Y.Wang, L.Yang, G.	Water-stable and finasteride-loaded polyvinyl alcohol nanofibrous particles with sustained drug release for improved prostatic artery embolization - In vitro and in vivo evaluation	Materials science & engineering	C, Materials for biological applications. 115	111107	5
483	2020	X. J. Li, X.Chen, K.Ullah, M. W.Yuan, X.Lei, Z.Cao, J.Xiao, J.Yang, G.	Development of finasteride/PHBV@polyvinyl alcohol/chitosan reservoir-type microspheres as a potential embolic agent: From: In vitro evaluation to animal study	Biomaterials Science	8(10)	2797-2813	6
484	2020	T. A. Lewis, M.Mehta, S.	Abstract No. 627 So you want to increase your (patient) flow rate? An analysis of a 6-month experience in direct to patient internet marketing for prostate artery embolization	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S271-S272	8
485	2020	O. P. Lepiarczyk, A.Loan, W. C. L. Leonardo, R.Cindolo, L.Antonelli, A.Greco, F.Porreca, A.Veneziano, D.Pastore, A.Dalpiaz, O.Ceruti, C.Verze, P.Borghesi, M.Schiavina, R.Falabella, R.Minervini, A.	Early experience in prostate artery embolization : Northern ireland case series	British Journal of Surgery	107(SUPPL 3)	229	5
486	2020	A.Veneziano, D.Pastore, A.Dalpiaz, O.Ceruti, C.Verze, P.Borghesi, M.Schiavina, R.Falabella, R.Minervini, A.	What is the standard surgical approach to large volume BPe? Systematic review of existing randomized clinical trials	Minerva Urologica e Nefrologica	72(1)	22-29	5
487	2020	S. P. Larussa, M.Askin, G.McClure, T.	4:03 PM Abstract No. 343 SIR or AUA: whose guidelines to follow? A meta-analysis of the use of minimally invasive surgical therapies and prostate artery embolization for the treatment of benign prostate hyperplasia	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S156	8
488	2020	J. R. Kumar, A.Shah, V.Miller, Z.Kably, M.Bhatia, S.	3:36 PM Abstract No. 66 Prostate artery embolization for patients with prostates size smaller than 50 g: a single-center experience with 1-year follow-up	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S32-S33	8

489	2020	J. R. Kumar, A.Mehta, A.Shah, K.Acharya, V.Ayyagari, R.Kably, I.Bhatia, S.	4:12 PM Abstract No. 70 Prostatic artery embolization for treatment of lower urinary tract symptoms secondary to benign prostatic hyperplasia: a single-center experience with 2-year follow-up	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S34	8
490	2020	J. F. d. S. Kumar, F.Acharya, V.Iglesias, J.Kably, M.Bhatia, S.	3:09 PM Abstract No. 337 Clinical outcomes and quality of life measures in the use of prostate artery embolization for prostates 50 to 80 g: a single-center analysis with 1-year follow-up	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S153	8
491	2020	B. M. T. F. Kriechenbauer, T.Burckenmeyer, F.Aschenbach, R.Diamantis, I.Malouhi, A.Steiniger, B.Teichgraber, U.	Influence of Interventionists' Experience on Radiation Exposure of Patients Who Underwent Prostate Artery Embolization : 4-Year Results from a Retrospective, Single-Center Study	CardioVascular and Interventional Radiology	43(8)	1194-1201	4
492	2020	A. B. Kovacs, A.Grimm, M. O.Habermann, C. R.Katoh, M.Massmann, A.Mahnken, A. H.Meyer, B. C.Moche, M.Reimer, P.Teichgraber, U.Wacker, F. K.	Position Paper of the German Society for Interventional Radiology (DeGIR) on Prostatic Artery Embolization	RoFo Fortschritte auf dem Gebiet der Rontgenstrahlen und der Bildgebenden Verfahren	192(9)	835-846	5
493	2020	A. Kovacs	Interventional therapy in benign conditions of the prostate	Radiologe	60 Suppl 1	54-62	5
494	2020	A. Kovacs	Interventionelle Therapie benigner Erkrankungen der Prostata, Interventional therapy in benign conditions of the prostate	Der Radiologe	60(Supplement 1)	54-62	2
495	2020	a. c. Kov, A.uuml;cker, A.Grimm, M. O.Habermann, C. R.Katoh, M.Massmann, A.Mahnken, A. H.Meyer, B. C.Moche, M.Reimer, P.Teichgr,auuml;ber, U.Wacker, F. K.In Zusammenarbeit mit der De, G. I. R. Lenkungsgruppe Wissenschaft und dem DeGIR-Vorstand	Position Paper of the German Society for Interventional Radiology (DeGIR) on Prostatic Artery Embolization	RoFo	Vol.192	9 835-846p	10
496	2020	P. W. Kothari, E.Gants, O.Aly, S.Cieslak, J.Kumar, A.Patel, N.Shukla, P.	3:36 PM Abstract No. 340 Perioperative blood loss after preoperative prostatic artery embolization in patients undergoing simple prostatectomy: a propensity score matched study	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S154	8

497	2020	A. D. Kobe, O.Pfammatter, T.	[Diagnosis and Minimal Invasive Treatment of Benign Prostatic Hyperplasia]	Therapeutische Umschau	77	2	53-56	5
498	2020	A. D. Kobe, O.Pfammatter, T.	Diagnostik und interventionell-radiologische Therapie der benignen Prostatahyperplasie Diagnosis and Minimal Invasive Treatment of Benign Prostatic Hyperplasia. [German]	Therapeutische Umschau	77(2)		53-56	9
499	2020	E. P.-S. Keshishian, J.Yamoah, K.Parikh, N.	3:18 PM Abstract No. 64 Efficacy of prostatic artery embolization for treatment of lower urinary tract symptoms from benign prostatic hyperplasia in the setting of non-obstructive localized prostate cancer	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S32	8
500	2020	A. G. P. Kenny, O.Moussa, N.Del Giudice, C.Dean, C.Sapoval, M.	Repeat Prostatic Artery Embolization	Journal of Vascular & Interventional Radiology	31	7	1090-1095.e1	2
501	2020	S. A. Kaplan	Re: Prostatic Artery Embolization versus Standard Surgical Treatment for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia: A Systematic Review and Meta-Analysis	Journal of Urology	204	6	1356-1357	5
502	2020	S. A. Kaplan	Editorial comment	Journal of Urology	204(2)		357-358	5
503	2020	S. A. Kaplan	Re: randomised Clinical Trial of Prostate Artery Embolisation versus a Sham Procedure for Benign Prostatic Hyperplasia	Journal of urology	Vol.204	2	357-358p	5
504	2020	S. A. Kaplan	Re: in-Hospital Cost Analysis of Prostatic Artery Embolization Compared with Transurethral Resection of the Prostate: post Hoc Analysis of a Randomized Controlled Trial	Journal of urology	Vol.203	1	6p	5
505	2020	A. K. Kamalov, S.Neymark, A.Kurbatov, D.Neymark, B.Karpov, V.Shaparov, B.	Prostatic Artery Embolization for Benign Prostatic Hyperplasia Treatment: A Russian Multicenter Study in More Than 1,000 Treated Patients	American journal of men's health	14(3)		1.56E+15	4
506	2020	I. B. Kably, A.	Intractable hematuria due to giant prostatic hyperplasia effectively treated with prostatic artery embolization	Asian Journal of Urology	7(3)		318-321	5
507	2020	I. A. Kably, V.Richardson, A. J.Bhatia, S.	Prostatic Artery Embolization in Refractory Hematuria of Prostatic Origin	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100694		5
508	2020	J. H. M. Jung, K. A.Borofsky, M.Young, S.Golzarian, J.Reddy, B.Shin, T. Y.Kim, M. H.Narayan, V.Dahm, P.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	2020(12) (no pagination)	CD012867		5

509	2020	E. M. W. Jung, T.Putz, F. J.Jung, F.Kammerer, S.Pregler, B.Luerken, L.Stroszczyński, C.Beyer, L.	Contrast enhanced ultrasound (CEUS) with parametric imaging and time intensity curve analysis (TIC) for evaluation of the success of prostate arterial embolization (PAE) in cases of prostate hyperplasia	Clinical Hemorheology and Microcirculation	76(2)		143-153	4
510	2020	I. a. e. d. Insausti, Ocaacute;riz, A.Galbeta, A.Capdevila, F.Solchaga, S.Giral, P.Bilhim, T.Isaacson, A.Urtasun, F.Napal, S.	Randomized Comparison of Prostatic Artery Embolization versus Transurethral Resection of the Prostate for Treatment of Benign Prostatic Hyperplasia	Journal of vascular and interventional radiology : JVIR	Vol.31	6	882-890p	5
511	2020	M. M. W. Huang, J. S.Matлага, B. R.Allaf, M. E.Koo, K.	Misinformation and presentation bias in online videos about prostate artery embolization for benign prostatic hyperplasia	European Urology Open Science	19(Supplement 2)		e2171	12
512	2020	Z. J. Haskal	JVIR 3.037. It's about the Work. A Decade as the JVIR Editor	Journal of Vascular and Interventional Radiology	31(12)		1965-1968	5
513	2020	E. E. Hashem, S.Khalifa, M.	Prostate Artery Embolization for Benign Prostate Hyperplasia Review: Patient Selection, Outcomes, and Technique	Seminars in Ultrasound, CT and MRI	41(4)		357-365	5
514	2020	U. M. G. Haroon, D. J.	Letter to the Editor regarding the article "Meta-analysis of efficacy and safety of continuous saline bladder irrigation compared with intravesical chemotherapy after transurethral resection of bladder tumors"	World journal of urology	38(5)		1343	5
515	2020	A. R. Gupta, K.Thulasidasan, N.Elhage, O.Clovis, S.Popert, R.Sabharwal, T.	Prostate artery embolisation for benign prostate hyperplasia: Mid to long term outcomes from a United Kingdom single-centre cohort	CardioVascular and Interventional Radiology	43(2 Supplement)		S61-S62	4
516	2020	R. H. Geevarghese, J.Parsons, N.Hutchinson, C.Parsons, C.	The relationship of embolic particle size to patient outcomes in prostate artery embolisation for benign prostatic hyperplasia: a systematic review and meta-regression	Clinical Radiology	75(5)		366-374	5
517	2020	J. V. A. J. Franco, J. H.Imamura, M.Borofsky, M.Omar, M. I.Escobar Liquitay, C. M.Young, S.Veroniki, A. A.Garegnani, L.Dahm, P.	Minimally invasive treatments for lower urinary tract symptoms in men with benign prostatic hyperplasia: a network meta-analysis	Cochrane Database of Systematic Reviews	2020(6)	(no pagination)	CD013656	5
518	2020	B. K. Fox, J.Stover, B.Acharya, V.Richardson, A.Ayyagari, R.Kably, I.Bhatia, S.	3:27 PM Abstract No. 65 Prostate artery embolization in prostate size greater than 80 g: a single-center experience with 2-year follow-up	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S32	8

519	2020	G. F. L. Enderlein, T.von Rundstedt, F. C.Aschenbach, R.Grimm, M. O.Teichgraber, U.Franiei, T.	Prostatic Artery Embolization -Anatomic Predictors of Technical Outcomes	Journal of Vascular and Interventional Radiology	31(3)		378-387	12
520	2020	R. P. Dornbier, G.Branch, J.McVary, K. T.	The New American Urological Association Benign Prostatic Hyperplasia Clinical Guidelines: 2019 Update	Current Urology Reports	21(9) (no pagination)	32		5
521	2020	S. S. W. Dong, N.Yang, C. P.Zhang, G. C.Liang, W. H.Zhao, J.Qi, Y.	Giant cell-rich solitary fibrous tumor in the nasopharynx: Case report and literature review	OncoTargets and Therapy	13		6819-6826	5
522	2020	J. F. M. Donati-Bourne, S.Nour, S.McCafferty, I. J.Smith, Y.	Successful embolisation of pelvic fistulating vessels to the prostate arising after TURP - a rare cause of postoperative bleeding	Annals of the Royal College of Surgeons of England	102(3)		e60-e62	5
523	2020	J. P. Do, A.Friend, C.Taddonio, M.Meisinger, Q.	Abstract No. 384 Effect of pelvic vascular anatomy on fluoroscopy time during prostate artery embolization	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S173-S174	8
524	2020	S. H. Deininger, T.Schonburg, S.Torzok, P.Kunit, T.Lusuardi, L.	[Surgical treatment of benign prostatic obstruction (BPO) in patients under anticoagulation: a review of the bleeding risks of established techniques]	Urologe (Ausg. A)	59	10	1187-1194	5
525	2020	S. H. Deininger, T.Schonburg, S.Torzok, P.Kunit, T.Lusuardi, L.	Surgical treatment of benign prostatic obstruction (BPO) in patients under anticoagulation: a review of the bleeding risks of established techniques. [German]	Urologe	59(10)		1187-1194	5
526	2020	C. G. Davis, J.White, S.Fischman, A.Rastinehad, A.Isaacson, A.Carnevale, F.Foster, H.Findeiss, L.Sapoval, M.Borofsky, M.Ayyagari, R.Salem, R.Bhatia, S.Caridi, T.	Development of Research Agenda in Prostate Artery Embolization : Summary of Society of Interventional Radiology Consensus Panel	Journal of Vascular and Interventional Radiology	31(1)		108-113	5
527	2020	C. G. Davis, J.White, S.Fischman, A.Carnevale, F. C.Foster, H.Findeiss, L.Sapoval, M.Borofsky, M.Ayyagari, R.Salem, R.Bhatia, S.Caridi, T.	Development of Research Agenda in Prostate Artery Embolization : summary of Society of Interventional Radiology Consensus Panel	Journal of vascular and interventional radiology : JVIR	Vol.31	1	108-113p	10

528	2020	A. K. H. Das, T. M.Uhr, A.Roehrborn, C. G. L. B. Cui, Y.Zhang, J.Yuan,	Benign prostatic hyperplasia: an update on minimally invasive therapy including Aquablation	The Canadian journal of urology	27(S3)		02월 10일	5
529	2020	B.Wang, X.Wang, Y.Duan, F.Wang, M.	Prostatic artery embolization : Progress and prospect	Journal of Interventional Medicine	Vol.3	2	77-79p	5
530	2020	F. B. Couture, F.Noel-Lamy, M.Ponsot, Y.Tu, L. M.	Images-penile necrotic ulcer following prostatic artery embolization : A rare complication	Canadian Urological Association Journal	14(7) (no pagination)	6239		4
531	2020	N. V. T. Costa, D.Pisco, J.Pinheiro, L. C.Martins, F. E.Oliveira, A. G.Bilhim, T. F. H. B. Cornelis, T.Hacking,	Repeat Prostatic Artery Embolization for Patients with Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	31(8)		1272-1280	4
532	2020	N.Sapoval, M.Tapping, C. R.Carnevale, F. C.	CIRSE Standards of Practice on Prostatic Artery Embolisation	Interventional Radiology	43(2)		176-185	5
533	2020	F. H. B. Cornelis, M.Jenoudet, H.Boutault, J. R.Zurlinden, O. K. C. W. Cheng, W. Y.Chan, H. C.Leung, K. K.Yu, S. M.Chan, C. S.So, H. S.	Successful conservative management of non-targeted embolization of the penile glans after prostate artery embolization	Diagnostic and Interventional Imaging	101(9)		617-618	5
534	2020	C.Leung, K. K.Yu, S. M.Chan, C. S.So, H. S.	Prostatic arterial embolisation in men with benign prostatic enlargement and refractory retention considered high-risk surgical candidates	Hong Kong Journal of Radiology	23(2)		114-121	4
535	2020	F. C. M. Carnevale, A. M.de Assis, A. M.Antunes, A. A.Cristina de Paula Rodrigues, V.Srougi, M.Cerri, G. G.	Prostatic Artery Embolization for the Treatment of Lower Urinary Tract Symptoms Due to Benign Prostatic Hyperplasia: 10 Years' Experience	Radiology	296	2	444-451	10
536	2020	F. C. M. Carnevale, A. M.de Assis, A. M.Antunes, A. A.de Paula Rodrigues, V. C.Srougi, M.Cerri, G. G.	Prostatic artery embolization for the treatment of lower urinary tract symptoms due to benign prostatic hyperplasia: 10 years' experience	Radiology	296(2)		444-451	4
537	2020	F. C. d. A. Carnevale, A. M.Moreira, A. M.	Prostatic Artery Embolization : Equipment, Procedure Steps, and Overcoming Technical Challenges	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100691		5

538	2020	L. F. Capone, A.Velotti, G.Martocchia, A.Suraci, P. P.Scalzo, S.Carbone, A.Illiano, E.Costantini, E.Al Salhi, Y.Pastore, A. L.	Sexual and functional outcomes of prostate artery embolisation : a prospective long-term follow-up, large cohort study	European Urology Open Science	20(Supplement 2)	S88	4
539	2020	T. N. Callese, P.Harrison, B.Tse, G.Plotnik, A.McWilliams, J.	3:54 PM Abstract No. 68 Prostatic artery embolization for lower urinary tract symptoms secondary to benign prostatic hyperplasia does not affect patient-reported ejaculatory function	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S33-S34	8
540	2020	P. Y. G. Cai, C.Vanden Berg, R. W.Shoag, J. E.Lee, R. K. F. T. Cadour, F.Habert,	Author Reply	Urology	142	246-247	5
541	2020	P.Scemama, U.Vidal, V.Jacquier, A.Bartoli, J. M.Moulin, G.Bessayah, A.	Prostatic artery embolization using three-dimensional cone-beam computed tomography	Diagnostic and Interventional Imaging	101(11)	721-725	4
542	2020	T. M. Bryan, E.Bennett, R.Fanucci, L.Katrivesis, J.Isip, K.Borghei, P.	3:27 PM Abstract No. 339 Efficacy of prostate artery embolization in patients with large prostate size (>100 g) presenting with lower urinary tract symptoms	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S154	8
543	2020	T. B. Bryan, R.Mendoza, E.Fanucci, L.Katrivesis, J.Borghei, P.	Abstract No. 394 Is prostate artery embolization an effective treatment for individuals with prostate volumes less than 50 g?	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S177	8
544	2020	B. B. Brown, R.Bagla, S.Isaacson, A.	Comparison of Post prostatic Artery Embolization Cone-Beam CT and Estimated Radiopaque Particle Distribution on Follow-up Imaging: A Case Report	Journal of Vascular and Interventional Radiology	31(5)	864-867.e1	4
545	2020	M. H. S. Brodermann, M. A.Mehta, S.McCartney, S.	Seeing red after a prostate procedure	Gut	69(6)	980-1026	5
546	2020	E. B. Bortnick, C.Simma-Chiang, V.Kaplan, S. A.	Modern best practice in the management of benign prostatic hyperplasia in the elderly	Therapeutic Advances in Urology	12	no pagination	5
547	2020	P. B. Borghei, T.Bennett, R.Isip, K.Gin, G.Uchio, E.	Abstract No. 388 Evaluation of the anatomy of prostatic artery in patients with improved sexual health function following prostate artery embolization	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S175	8
548	2020	S. W. Biers, T.Belal, M.Keeley, F. X.Alnajjar, H. M.Muneer, A.	Urology highlights 2017 to 2018	Journal of Clinical Urology	13(3)	178-184	5

549	2020	S. Bhatia	Introduction	Techniques in Vascular and Interventional Radiology	23(3) (no pagination)	100686		5
550	2020	Z. L. B.-M. Bercu, S. M.Kokabi, N.Dariushnia, S.Cristescu, M.Krishnasamy, V.Majdalany, B.Newsone, J.	Single-center multi-hospital experience with prostate artery embolization for treatment of moderate to severe lower urinary tract symptoms of benign prostatic hyperplasia	Journal of the American Geriatrics Society	68(SUPPL 1)		S162	4
551	2020	A. K. Beardsley, G.Hohlastos, E.Lewandowski, R.Salem, R.Mouli, S.	3:45 PM Abstract No. 67 Prostate artery embolization with Bead Block microspheres for lower urinary tract symptoms from benign prostatic hyperplasia: Interim Results from a prospective FDA-Approved Investigational Device Exemption Study	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S33	8
552	2020	M. B. Barat, T.Moussa, N.Di Gaeta, A.Dean, C.Thioun, N.Del Giudice, C.Pellerin, O.Sapoval, M.	Contrast-Enhanced Ultrasonography for the Early Evaluation of Prostate Artery Embolization	CardioVascular and Interventional Radiology	43(10)		1498-1504	4
553	2020	E. B. Ballon-Landa, S. K.	Prostate Artery Embolization for Severe BPH in a Patient Unfit for Surgery	Urology	136		e24-e25	4
554	2020	T. H. Bach, M.Bruns, T.	[Benign prostatic hyperplasia : New and treatment-relevant aspects from the DGU guidelines]	Urologe (Ausg. A)	59	5	544-549	5
555	2020	T. H. Bach, M.Bruns, T.	Benign prostatic hyperplasia: New and treatment-relevant aspects from the DGU guidelines. [German]	Urologe	59(5)		544-549	9
556	2020	R. P. Ayyagari, T.Staib, L.Chapiro, J.Raja, A.Bhatia, S.Chai, T.Schoenberger, S.Devito, R.	Prostatic Artery Embolization Using 100-300-mum Trisacryl Gelatin Microspheres to Treat Lower Urinary Tract Symptoms Attributable to Benign Prostatic Hyperplasia: A Single-Center Outcomes Analysis with Medium-Term Follow-up	Journal of Vascular and Interventional Radiology	31(1)		99-107	12
557	2020	R. P. Ayyagari, T.Staib, L.Chapiro, J.Perez-Lozada, J. C.Bhatia, S.Chai, T.Schoenberger, S.Devito, R.	Prostatic Artery Embolization in Nonindex Benign Prostatic Hyperplasia Patients: Single-center Outcomes for Urinary Retention and Gross Prostatic Hematuria	Urology	136		212-217	4
558	2020	R. P. Ayyagari, T.Liu, B.Staib, L.Chapiro, J.Schoenberger, S.Devito, R.	3:54 PM Abstract No. 342 Prostatic artery embolization with 100- to 300-mum microspheres to treat urinary retention caused by benign prostatic hyperplasia: medium-term outcomes with stratified obstructive and irritative symptom analysis	Journal of Vascular and Interventional Radiology	31(3 Supplement)		S155-S156	8

559	2020	R. L. Ayyagari, B.Staib, L.Powell, T.Chapiro, J.Bhatia, S.Chai, T.	4:12 PM Abstract No. 344 Stratified subscore analysis of International Prostate Symptom Score improvement after prostatic artery embolization with 100- to 300- μ m microspheres for lower urinary tract symptoms	Journal of Vascular and Interventional Radiology	31(3 Supplement)	S156-S157	8
560	2020	R. L. Ayyagari, B.Powell, T.Staib, L.Bhatia, S.Chai, T.Devito, R.	Stratified analysis of international prostate symptom score (IPSS) voiding and storage domain improvements after prostatic artery embolization (PAE) for lower urinary tract symptoms (LUTS)	Journal of Urology	203(Supplement 4)	e707-e708	8
561	2020	S. F. P. Al Rawashdah, A. L.Velotti, G.Fuschi, A.Capone, L.Suraci, P. P.Martocchia, A.Saltarelli, A.Minucci, S.Falsaperla, M.Al Salhi, Y.Illiano, E.Costantini, E.Carbonate, A.	Sexual and functional outcomes of prostate artery embolisation : A prospective long-term follow-up, large cohort study	International Journal of Clinical Practice	74(3) (no pagination)	e13454	4
562	2020	D. S. Abt, H. P.Mullhaupt, G.	Prostatic Artery Embolization : A Curse or a Blessing? Efficacy of a Single Dose Dexamethasone in Reducing the	European Urology	77(3)	363-364	5
563	2020		Post embolization Syndrome in Men Undergoing Prostatic Artery Embolization for Benign Prostatic Hyperplasia				5
564	2020		Randomized controlled trial on the use of dexamethasone or placebo in reduction of the post embolization syndrome after prostatic artery embolization for benign prostate gland enlargement				2
565	2020		Prostate Artery Embolization Compared to Holmium Laser Enucleation of the Prostate for Benign Prostatic Hyperplasia				7
566	2020		Prostatic Artery Embolization vs. Pharmacotherapy for LUTS/BPH				5
567	2020		Prostatic Artery Embolization for the Treatment of Symptomatic Benign Prostatic Hyperplasia (BPH)				7
568	2019	V. B. Zumstein, P.Vetterlein, M. W.Kluth, L. A.Hechelhammer, L.Mordasini, L.Engeler, D. S.Kessler, T. M.Schmid, H. P.Abt, D.	Prostatic Artery Embolization versus Standard Surgical Treatment for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia: A Systematic Review and Meta-analysis	European Urology Focus	5(6)	1091-1100	5
569	2019	D. G. Zhu, X.Hu, X.Xu, M.Wu, H.Sun, P.	Preliminary observation on the changes of prostate volume after prostatic artery embolization for benign prostatic hyperplasia. [Chinese]	Journal of Interventional Radiology (China)	28(1)	28-31	9

570	2019	H. K. Zhao, H. H.	The Complex Relationship Between Lower Urinary Tract Symptoms and Sexual Health	Current Urology Reports	20(10) (no pagination)	58		5
571	2019	Y. G. Zhang, Y.Wu, X.Liu, S.	Clinical treatment of advanced synchronous triple primary malignancies: Comprehensive treatment based on targeted therapy	OncoTargets and Therapy	12		2421-2430	2
572	2019	J. L. W. Zhang, M. Q.Duan, F.Yuan, B.	[A comparative study of prostatic artery embolization in the treatment of benign prostatic hyperplasia with different prostatic volume]	Chung-Hua i Hsueh Tsa Chih [Chinese Medical Journal]	99	31	2435-2439	12
573	2019	J. L. W. Zhang, M. Q.Yuan, B.Wang, Y.Yan, J. Y.	The anatomical variation of prostatic artery in Chinese population: Based on contrast-enhanced magnetic resonance angiography	CardioVascular and Interventional Radiology	42(3 Supplement)		S280-S281	2
574	2019	J. L. W. Zhang, M. Q.Duan, F.Yuan, B.	A comparative study of prostatic artery embolization in the treatment of benign prostatic hyperplasia with different prostatic volume. [Chinese]	Zhonghua yi xue za zhi	99(31)		2435-2439	9
575	2019	J. L. W. Zhang, M. Q.Shen, Y. G.Ye, H. Y.Yuan, K.Xin, H. N.Zhang, H. T.Fu, J. X.Yan, J. Y.Wang, Y.	Effectiveness of Contrast-enhanced MR Angiography for Visualization of the Prostatic Artery prior to Prostatic Arterial Embolization	Radiology	Vol.291	2	370-378p	2
576	2019	J. D. Zhang, F.Yuan, K.Zhang, X.Wang, Q.Li, Z.Pan, J.Li, X.Wang, M.	Role of transcatheter arterial embolization in the management of refractory hematuria of prostatic origin. [Chinese]	Chinese Journal of Radiology (China)	53(2)		121-126	9
577	2019	M. W. Zeile, R. M.Steffen, P.Rothfuchs, D.Habermann, C. R.	Radiation exposure in 250 patients in a single high-volume center for prostatic artery embolization (PAE)	CardioVascular and Interventional Radiology	42(3 Supplement)		S458-S459	4
578	2019	S. C. H. C. Yu, C. C. M.Hung, E. H. Y.Zou, J.Yuen, B. T. Y.Shi, L.Chiu, P. K. F.Yee, S. C. H.Ng, A. C. F.	Thickness-to-Height Ratio of Intravesical Prostatic Protrusion Predicts the Clinical Outcome and Morbidity of Prostatic Artery Embolization for Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	30(11)		1807-1816	12
579	2019	S. G. Young, J.	Prostate embolization : patient selection, clinical management and results	CVIR Endovascular	2(1) (no pagination)	7		5
580	2019	L. C. B. Yiun, A. S. A.Lun, T. W.Munjih, I.Kamarulzaman, M. N.Ghazali, H.	Spontaneous prostatic infarction: A rare cause of recurrent haematospermia	International Journal of Urology	26(Supplement 2)		115	5

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582	2019	S. C. Wu, S.Yi, T.Cai, W.Zhou, Y.He, J.Fang, Z.	Interventional embolization vs transurethral resection for the treatment of benign prostatic hyperplasia in elderly patients: A comparison study. [Chinese]	Journal of Interventional Radiology (China)	28(2)		179-183	9
583	2019	D. R. Williams, A.		Canadian Agency for Drugs and Technologies in Health. CADTH Rapid Response Reports2019	8		29	5
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585	2019	G. M. Vigneswaran, D.Modi, S.Harris, M. R.Bryant, T. J.Hacking, N.	PAE provides a proportionately greater change in storage symptoms compared with surgery: Multivariate analysis of the UK-ROPE database	CardioVascular and Interventional Radiology	42(3 Supplement)		S219	8
586	2019	A. Z. K. Vance, K. M.Clark, T. W. I.	Incremental radiation dose from cone beam CT during prostatic embolization	CardioVascular and Interventional Radiology	42(3 Supplement)		S459	12
587	2019	D. C. Torres, N. V.Pisco, J.Pinheiro, L. C.Oliveira, A. G.Bilhim, T.	Prostatic Artery Embolization for Benign Prostatic Hyperplasia: Prospective Randomized Trial of 100-300 mum versus 300-500 mum versus 100- to 300-mum + 300- to 500-mum Embospheres	Journal of Vascular and Interventional Radiology	30(5)		638-644	12
588	2019	D. C. Torres, N. V.Pisco, J.Pinheiro, L. C.Oliveira, A. G.Bilhim, T.	Prostatic Artery Embolization for Benign Prostatic Hyperplasia: prospective Randomized Trial of 100-300 &mgr;m versus 300-500 &mgr;m versus 100- to 300-&mgr;m + 300- to 500-&mgr;m Embospheres	Journal of vascular and interventional radiology : JVIR	Vol.30	5	638-644p	10
589	2019	W. Z. Tian, C.Leng, B.Shi, H.Liu, S.	Prostatic Artery Embolization for Control of Gross Hematuria in Patients with Benign Prostatic Hyperplasia: A Single-Center Retrospective Study in 20 Patients	Journal of Vascular and Interventional Radiology	30(5)		661-667	4
590	2019	N. K. Thulasidasan, H. K.Elhage, O.Clovis, S.Popert, R.Sabharwal, T.	Prostate artery embolisation : an all-comers, single-operator experience in 159 patients with lower urinary tract symptoms, urinary retention, or haematuria with medium-term follow-up	Clinical Radiology	74(7)		569.e1-569.e8	4
591	2019	N. Thiounn	Author's response to the letter on the article: " Prostatic artery embolisation for symptomatic BPH"	Presse Medicale	48(10)		1206	5

592	2019	A. H. Tawadros, N.Khan, W.	Submassive venothrombo embolism associated right ventricular dysfunction resolves after two weeks of anticoagulation with apixiban	American Journal of Respiratory and Critical Care Medicine. Conference	199	9		4
593	2019	C. R. M. Tapping, A.Hadi, M.Mortensen, C.Crew, J.Protheroe, A.Little, M. W.Boardman, P.	Re: Prostatic Artery Embolization (PAE) for Benign Prostatic Hyperplasia (BPH) with Haematuria in the Absence of an Upper Urinary Tract Pathology	Journal of Urology	201(5)		834-835	5
594	2019	C. R. C. Tapping, J.Proteroe, A.Boardman, P.	Prostatic artery embolization (PAE) for prostatic origin bleeding in the context of prostate malignancy	Acta Radiologica Open	8	6		4
595	2019	C. R. B. Tapping, P.	Prostatic artery embolization (PAE) in catheter-dependent patients with large prostatic (BPH) glands (>90 cc): early intervention essential	Acta Radiologica	60(11)		1562-1565	4
596	2019	K. D. Talgat, T.	X-ray vascular treatment of prostate cancer	European Urology, Supplements	18(12)		e3643-e3644	1
597	2019	T. I. Tajima-Komatsu, Y.Okumura, A.Sakata, E.Moribata, Y.Koyama, T.Magaribuchi, T.	Prostatic artery embolization for bleeding from benign prostate hyperplasia: A case report	CardioVascular and Interventional Radiology	42(3 Supplement)		S313	4
598	2019	D. T. Szaflarski, M.Katz, A.Haas, J.Hoffmann, J. C.	Prostatic Artery Embolization Obviates the Need for Androgen Deprivation Therapy prior to Stereotactic Body Radiation Therapy in Prostate Cancer	Journal of Vascular and Interventional Radiology	30(10)		1635-1637	1
599	2019	S. H. M. Sundararajan, T. D.Winokur, R. S.Kishore, S. A.Madoff, D. C.	Extrahepatic Clinical Application of Vessel Tracking Software and 3D Roadmapping Tools: Preliminary Experience	Journal of Vascular and Interventional Radiology	30(7)		1021-1026	2
600	2019	F. B. D. Sun, C.Sanchez Margallo, F. M.	Clinical predictive factors in prostatic artery embolization (PAE) for symptomatic benign prostatic hyperplasia	CardioVascular and Interventional Radiology	42(3 Supplement)		S493	5
601	2019	N. B. Suleyman, F. C.	The practical assessment and management of bladder outflow obstruction	Surgery (United Kingdom)	37(7)		382-387	5
602	2019	J. K. I. Stewart, A. J.	Clinical Outcomes following Prostatic Artery Embolization in Patients with Bladder Diverticula	Journal of Vascular and Interventional Radiology	30(10)		1633-1635	5

603	2019	P. W. Steffen, R. M.Habermann, C. R.Zeile, M.	Computed tomography angiography of the pelvis prior to prostatic artery embolization (PAE) does not increase technical success rate nor decreases radiation dose	CardioVascular and Interventional Radiology	42(3 Supplement)	S459	12
604	2019	K. P. Stamatiou, G.	Reply to: Andre Moreira de Assis, et al. Effects of Prostatic Artery Embolization on the Dynamic Component of Benign Prostate Hyperplasia as Assessed by Ultrasound Elastography: A Pilot Series	CardioVascular and Interventional Radiology	42(11)	1660-1661	5
605	2019	M. J. Speakman	Underlying pathology and work-up	CardioVascular and Interventional Radiology	42(3 Supplement)	S98-S99	5
606	2019	G. Siena	The surgeon's view	CardioVascular and Interventional Radiology	42(3 Supplement)	S100	5
607	2019	M. H. Shaker, E. Y.Okba, A. A. M. B.Khafagy, R. T. M.Abd El Tawab, K. S. R. Secco, A.Brambillasca, P. M.Barbosa, F.Di Trapani, D.Barbieri, M.Olivero, A.Napoli, G.Strada, E.Petralia, G.Migliorisi, C.Vercelli, R.Bocciardi, A. M.Galfano, A.	Prostatic artery embolization for benign prostatic hyperplasia: Anatomical, technical and radiation exposure considerations in 168 cases	CardioVascular and Interventional Radiology	42(3 Supplement)	S219	5
608	2019	D.Barbieri, M.Olivero, A.Napoli, G.Strada, E.Petralia, G.Migliorisi, C.Vercelli, R.Bocciardi, A. M.Galfano, A.	Is prostate artery embolization (PAE)the future for the treatment of lower urinary tract symptoms secondary to benign prostatic hypertrophy?	European Urology, Supplements	18(1)	e1493	4
609	2019	S. B. Secco, F.Brambillasca, P.Di Trapani, D.Barbieri, M.Migliorisi, C.Napoli, G.Vercelli, R.Olivero, A.Solcia, M.Petralia, G.Strada, E.Rampolidi, A.Bocciardi, A.Galfano, A.	Is prostate artery embolization (PAE) the future for the treatment of lower urinary tract symptoms secondary to benign prostatic hypertrophy?	European Urology, Supplements	18(9)	e3170	4
610	2019	T. G. W. Schuster, J. T.Hendlin, K.Jahnke, R.Roberts, W. W.	Histotripsy treatment of benign prostatic enlargement using the vortex rx system: Initial human safety and efficacy outcomes	Journal of Urology	202(3)	434	2
611	2019	P. K. Schott, M.Fischer, N.Freyhardt, P.	Radiation Dose in Prostatic Artery Embolization Using Cone-Beam CT and 3D Roadmap Software	Journal of Vascular and Interventional Radiology	30(9)	1452-1458	4

612	2019	C. Scheurig-Muenkler	Haematuria		CardioVascular and Interventional Radiology	42(3 Suppleme nt)		S148- S149	2
613	2019	A. P. G. Savoldi, P.Granata, G.Pecorilla, M.Ierardi, A. M.Petrillo, M.Floridi, C.Carrafiello, G. M. D. Sapoval, C.Pellerin,	Prostate artery embolization for treatment of symptoms related to benign prostate hyperplasia: State of the art		CardioVascular and Interventional Radiology	42(3 Suppleme nt)		S312	5
614	2019	O.Moussa, N.Del Giudice, C.Kenny, A.Thiounn, N. J. A. Sandhu, A.Kably, I.Shah,	Prostatic artery embolisation for symptomatic BPH		Presse Medicale	48(4)		447-453	5
615	2019	K.Richardson, A.Garcia, J.Bhatia, S. P. B. Roser, A.Zhong, X.Ochs,	Abstract No. 458 Safety and feasibility of prostate artery embolization via transradial access: single-center experience		Journal of Vascular and Interventional Radiology	30(3 Suppleme nt)		S200	8
616	2019	P.Stepina, E.Kowarschik, M.Fahrig, R.Maier, A.	Pitfalls in interventional X-ray organ dose assessment-combined experimental and computational phantom study: application to prostatic artery embolization		International Journal of Computer Assisted Radiology & Surgery	14	11	1859- 1869	2
617	2019	J. C. Roebker, S.	03:00 PM Abstract No. 122 Economics of embolization : the competitive advantage of prostatic artery embolization in value- based care		Journal of Vascular and Interventional Radiology	30(3 Suppleme nt)		S57	8
618	2019	G. Robert	Letter on the article " Prostatic artery embolisation for symptomatic BPH"		Presse Medicale	48(10)		1205	5
619	2019	A. F. P. Ray, J.Speakman, M. J.Longford, N. T.DasGupta, R.Bryant, T.Modi, S.Dyer, J.Harris, M.Carolan-Rees, G.Hacking, N.	Re: Efficacy and safety of prostate artery embolization for benign prostatic hyperplasia: An observational study and propensity- matched comparison with transurethral resection of the prostate (the UK-rope study)		Journal of Urology	201(3)		415-416	5
620	2019	A. G. B. Rampoldi, F.Brambillasca, P. M.Alfonsi, A.Fumarola, E. M.Di Bartolomeo, F.Volterra, D.Secco, S.Nichelatti, M.Galfano, A.Spinelli, M.Vercelli, R.Migliorisi, C.Solcia, M.Bocciardi, A. M.	Medium-term follow-up results after prostatic artery embolization (PAE) in 285 patients		CardioVascular and Interventional Radiology	42(3 Suppleme nt)		S492	4

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622	2019	M. R. Prince	MR angiography of the prostate arteries : Benefit prior to prostate embolization	Radiology	291(2)	379-380	5
623	2019	A. N. R. Plotnik, D. G.Srinivasa, R. N.McWilliams, J. P.	Recanalization of prostatic artery chronic total occlusion prior to prostatic artery embolization	Radiology Case Reports	14(4)	480-482	5
624	2019	J. M. B. Pisco, T.Costa, N. V.Pinheiro, L. C.Torres, D.Pisco, J.Oliveira, A. G.	Outcome of prostatic artery embolization for benign prostatic hyperplasia: 1550 patients follow up to 10 years	CardioVascular and Interventional Radiology	42(3 Supplement)	S220	4
625	2019	J. B. Pisco, T.Costa, N.Pinheiro, L.Torres, D.Oliveira, A.	03:00 PM Abstract No. 3 DISTINGUISHED ABSTRACT Short-, medium-, and long-term results of first and repeated prostatic artery embolization for benign prostatic hyperplasia: 1500 patients' follow up to 9 years	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S5	8
626	2019	J. B. Pisco, T.Costa, N.Pinheiro, L.Torres, D.Oliveira, A.	04:03 PM Abstract No. 10 Repeated prostatic artery embolization for patients with benign prostatic hyperplasia and initial clinical failure or recurrence of a previous procedure	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S8	8
627	2019	A. C. H. Picel, T. C.Shapiro, R. M.Vezeridis, A. M.Isaacson, A. J.	Prostatic Artery Embolization for Benign Prostatic Hyperplasia: Patient Evaluation, Anatomy, and Technique for Successful Treatment	Radiographics : a review publication of the Radiological Society of North America, Inc	39(5)	1526-1548	5
628	2019	N. K. Perez, N.Lylyk, P.	Technical challenge in prostatic artery embolization : A case report of rare anatomic variation of prostatic artery	CardioVascular and Interventional Radiology	42(3 Supplement)	S321-S322	4
629	2019	O. D. Pellerin, S.Dean, C.Reb, P.Chaix, C.Tierny, D.Sapoval, M. R.	Prostate cancer chemo embolization in dog pet model: DOGXEL a proof of concept study	CardioVascular and Interventional Radiology	42(3 Supplement)	S214	6
630	2019	J. P. M.-Q. Pedraza-Sanchez, J.Osman-Garcia, I.Baena-Villamarin, C.Lendinez-Cano, G.Medina-Lopez, R. A.	Intractable haematuria: Efficacy, safety and follow up after bladder embolization	European Urology, Supplements	18(10)	e3387	1
631	2019	R. A. Owen, B.Fung, C.	03:36 PM Abstract No. 7 Prostate artery embolization using OCL 503 (a biodegradable microsphere), an open-label pilot study	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S6-S7	8

632	2019	J. S. Okun, M.Shukla, P.	Abstract No. 450 Cost analysis of prostate artery embolization and medical management in the treatment of benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	30(3 Supplement)		S196-S197	8
633	2019	F. A. Nurili, T.Derman, S.Yurdaisik, I.Bas, A.Cakiroglu, H.Ozkanli, S.Aras, O.	Trans arterial embolization of prostate with biodegradable flutamide-loaded PLA/PLGA microspheres for benign prostate hyperplasia: Preliminary study in normal swine model	CardioVascular and Interventional Radiology	42(2 Supplement)		S21	6
634	2019	F. A. Nurili, T.Derman, S.Bas, A.Yurdaisik, I.Ozkanli, S.Caymaz, I.Cakiroglu, H.Aras, O.	04:21 PM Abstract No. 12 Trans arterial embolization of prostate with biodegradable flutamide-loaded PLA/PLGA microspheres for benign prostate hyperplasia: preliminary study in a normal swine model	Journal of Vascular and Interventional Radiology	30(3 Supplement)		S9	8
635	2019	Y. M. C. Nouri, H. H.Shin, J. H.Tsauo, J.Kim, C. S.Hong, B. S.Kim, J. W.Kim, J. H.	Percutaneous Obliteration of Urinary Leakage after Partial Nephrectomy Using N-Butyl-Cyanoacrylate Obliteration of the Urinoma with or without Coil Embolization of the Fistula Tract	Journal of Vascular & Interventional Radiology	30	12	2002-2008	2
636	2019	K. A. A. Nielsen, M.Duvnjak, S.Lund, L.	An initial report of a prospective study of embolization for lower urinary tract symptoms associated with benign prostatic hyperplasia	Scandinavian Journal of Urology	53(Supplement 221)		6	4
637	2019	G. H. Mullhaupt, L.Engeler, D. S.Gusewell, S.Betschart, P.Zumstein, V.Kessler, T. M.Schmid, H. P.Mordasini, L.Abt, D.	In-hospital cost analysis of prostatic artery embolization compared with transurethral resection of the prostate: post hoc analysis of a randomized controlled trial	BJU international	Vol.123	6	1055-1060p	3
638	2019	J. V. Mourgues, A.Thubert, T.Fauvet, R.Pizzoferrato, A. C.	Uterine myomas and lower urinary tract dysfunctions: A literature review	Journal of Gynecology Obstetrics and Human Reproduction Seminars in	48(9)		771-774	5
639	2019	S. H. Mouli, E.Salem, R.	Prostate Artery Embolization	Interventional Radiology	36(2)		142-148	5
640	2019	H. S. Moschouris, K.Malagari, K.Marmaridou, K.Kladis-Kalentzis, K.Kiltenis, M.Papadogeorgopoulos, N.Tsavari, A.Manoloudaki, K.	The value of contrast-enhanced ultrasonography in detection of prostatic infarction after prostatic artery embolization for the treatment of symptomatic benign prostatic hyperplasia	Diagnostic and Interventional Radiology	25(2)		134-143	4
641	2019	H. S. Moschouris, K.Dimakis, A.Malagari, K.	Re: de Assis et al. "Effects of Prostatic Artery Embolization on the Dynamic Component of Benign Prostate Hyperplasia as Assessed by Ultrasound Elastography: A Pilot Series"	CardioVascular and Interventional Radiology	42(9)		1366-1368	5

642	2019	S. M. Morton, L.Harding, C.Thorpe, A.	A review of surgery and new technology procedures for the management of benign prostatic obstruction	Journal of Clinical Urology	12(6)	474-486	5
643	2019	N. R. Moradzadeh, A.McWilliams, J.	03:36 PM Abstract No. 126 Angiographic features to aid identification of the prostatic artery during prostatic arterial embolization	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S59	8
644	2019	E. H. Mendoza, R.Katrivesis, J.Fernando, D.Nelson, K.Uchio, E.Abi-Jaoudeh, N.Jarmakani, M.	03:27 PM Abstract No. 125 Predicting clinical outcomes of prostate artery embolization with preoperative imaging	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S58-S59	8
645	2019	J. P. B. McWilliams, T. A.Carnevale, F. C.Bhatia, S.Isaacson, A. J.Bagla, S.Sapoval, M. R.Golzarian, J.Salem, R.McClure, T. D.Kava, B. R.Spies, J. B.Sabharwal, T.McCafferty, I.Tam, A. L.	Society of Interventional Radiology Multisociety Consensus Position Statement on Prostatic Artery Embolization for Treatment of Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia: From the Society of Interventional Radiology, the Cardiovascular and Interventional Radiological Society of Europe, Societe Francaise de Radiologie, and the British Society of Interventional Radiology: Endorsed by the Asia Pacific Society of Cardiovascular and Interventional Radiology, Canadian Association for Interventional Radiology, Chinese College of Interventionalists, Interventional Radiology Society of Australasia, Japanese Society of Interventional Radiology, and Korean Society of Interventional Radiology	Journal of Vascular and Interventional Radiology	30(5)	627-637.e1	5
646	2019	S. P. Mathevosian, A. N.McWilliams, J. P.	Prostate Artery Embolization for Giant Prostatic Enlargement: Short-Term Efficacy and Safety	Journal of Vascular and Interventional Radiology	30(11)	1820-1823	4
647	2019	G. P. C. Marcelino, C. M. C.Oommen, J. K.Wang, S.Baldassari, H.Muralidharan, R.Hanna, A.	Amiodarone-induced syndrome of inappropriate antidiuretic hormone: A case report and review of the literature	P and T	44(7)	417-423	5
648	2019	B. R. Mallng, M. A.Lindh, M.Frevert, S.Brasso, K.Lonn, L.	Palliative Prostate Artery Embolization for Prostate Cancer: A Case Series	CardioVascular and Interventional Radiology	42(10)	1405-1412	1
649	2019	B. R. Mallng, M. A.Brasso, K.Forman, J.Taudorf, M.Lonn, L.	Prostate artery embolisation for benign prostatic hyperplasia: a systematic review and meta-analysis	European Radiology	29(1)	287-298	5
650	2019	B. L. Mallng, L.Jensen, R. J.Lindh, M.Frevert, S.Brasso, K.Roder, M. A.	Prostate artery embolization for lower urinary tract symptoms in men unfit for surgery	Diagnostics	9(2) (no pagination)	46	4

651	2019	A. C. M. Macdonald, T.El-Sheikha, J.Kearns, D.Macpherson, R.Crew, J.Little, M. W.Boardman, P.Tapping, C. R.	The proStatic aRtery EmbolizAtion for the treatMent of benign prostatic hyperplasia (STREAM) study: Two-year results from a prospective cohort	CardioVascular and Interventional Radiology	42(3 Supplement)	S220	4
652	2019	A. C. B. Macdonald, T.Boardman, P.Tapping, C. R.	Navigating the pitfalls and challenges of prostate artery embolisation	CardioVascular and Interventional Radiology	42(3 Supplement)	S494	5
653	2019	M. B. Luo, S.Nguyen, Q.Yam, C. S.Faintuch, S.Ahmed, M.Collares, F.Sarwar, A.Weinstein, J. L.Brook, O. R.	Electronic IR Group Peer Review and Learning Performed during Daily Clinical Rounds	Journal of Vascular and Interventional Radiology	30(4)	594-600	5
654	2019	H. B. Lindgren, M.	Introduction of prostate artery embolization (PAE) in Sweden	Scandinavian Journal of Urology	53(2-3)	151-155	4
655	2019	Y. G. Li, S.Zhu, Y.Liu, M.Li, H.	Meta-analysis of the efficacy of prostate artery embolization in prostatic hyperplasia	International Journal of Clinical and Experimental Medicine	12(9)	10999-11009	5
656	2019	S. A. Li, A.Peaden, R.Morgado, A.Kably, I.Kava, B.Bhatia, S.	03:54 PM Abstract No. 9 Using prostate artery embolization to treat patients with hematuria due to benign prostatic hypertrophy or as a complication of transurethral resection of the prostate	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S7-S8	8
657	2019	T. L. Lewis, M.Mehta, S.	03:00 PM Abstract No. 141 FEATURED ABSTRACT Interventional radiology's Google presence: an analysis of search engine results for common conditions and treatments	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S65	8
658	2019	T. K. M. Lewis, S.	Search engine analysis of interventional radiology directed therapies versus conventional and novel surgical techniques for uterine and prostate pathology in North America and Europe	CardioVascular and Interventional Radiology	42(3 Supplement)	S279-S280	5
659	2019	H. S. S. Lee, W. Y.	A case of non-operative management of atraumatic splenic hemorrhage due to snakebite venom-induced consumption coagulopathy	American Journal of Case Reports	20	1314-1319	4
660	2019	S. C. Lebdai, A.Doizi, S.Pradere, B.Delongchamps, N. B.Benchikh, A.Cornu, J. N.Della Negra, E.Fourmarier, M.Misrai, V.Theveniaud, P. E.Descazeaud, A.Robert, G.	Do patients have to choose between ejaculation and miction? A systematic review about ejaculation preservation technics for benign prostatic obstruction surgical treatment	World journal of urology	37(2)	299-308	5

661	2019	J. R. Kumar, A.Peaden, R.Miller, Z.Kably, I.Wempe, E.Bhatia, S.	03:45 PM Abstract No. 8 Clinical outcomes and quality of life measures in the use of prostate artery embolization for prostates <50 g: a single-center experience	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S7	8
662	2019	A. B. Kovacs, P.Schaefer, A.El Mansouri, A.	Prostatic artery embolization with HydroPearls: Safety and efficacy	CardioVascular and Interventional Radiology	42(3 Supplement)	S218-S219	4
663	2019	A. P. Kobe, G.Klotz, E.Alkadhi, H.Pfammatter, T.	A CT protocol for 4D angiography and perfusion imaging of the prostate for embolization planning: Proof of concept study	CardioVascular and Interventional Radiology	42(3 Supplement)	S218	2
664	2019	A. P. Kobe, G.Klotz, E.Alkadhi, H.Pfammatter, T.	Computed Tomography for 4-Dimensional Angiography and Perfusion Imaging of the Prostate for Embolization Planning of Benign Prostatic Hyperplasia	Investigative Radiology	54(10)	661-668	2
665	2019	N. E. G. Klow, O. J.Bay, D.Sandbaek, G.Johansen, T. E. B.Hagen, T.Baco, E. A. G. P. Kenny, O.Amouyal, G.Desgranchamps, F.Meria, P.De	Outcome after prostatic artery embolization in patients with symptomatic benign prostatic hyperplasia	Acta Radiologica	60(9)	1175-1180	4
666	2019	Gouvello, A.Dariane, C.Dean, C.Pereira, H.Thiounn, N.Sapoval, M.	Prostate Artery Embolization in Patients With Acute Urinary Retention	American Journal of Medicine	132(11)	e786-e790	4
667	2019	V. K. K. Karpov, S. A.Shaparov, B. M.Osmolovskiy, B. E.Kamalov, D. M.Kamalov, A. A.	[Super-selective prostatic artery embolization for bph treatment.]	Urologiia (Moscow, Russia)		3 134-141	5
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669	2019	S. A. A. Kaplan, G.Pellerin, O.Del Giudice, C.Dean, C.Thiounn, N.Sapoval, M.	Re: Variants of patterns of intra- and extra- prostatic arterial distribution of the prostatic artery applied to prostatic artery embolization : Proposal of a classification	Journal of Urology	202(1)	6	5
670	2019	S. A. Kaplan	Re: Prostate Artery Embolization in Patients with Prostate Volumes of 80 mL or More: A Single-Institution Retrospective Experience of 93 Patients	The Journal of urology	202(5)	841-842	5
671	2019	S. A. Kaplan	Re: Prostatic Artery Embolization (PAE) for Benign Prostatic Hyperplasia (BPH) with Haematuria in the Absence of an Upper Urinary Tract Pathology	Journal of Urology	201(5)	834-835	5

672	2019	S. A. Kaplan	Re: Variants of Patterns of Intra-and Extra- Prostatic Arterial Distribution of the Prostatic Artery Applied to Prostatic Artery Embolization : Proposal of a Classification	Journal of Urology	202(1)		6	5
673	2019	S. A. Kaplan	Re: Efficacy and Safety of Prostate Artery Embolization for Benign Prostatic Hyperplasia	The Journal of urology	201(3)		415-416	5
674	2019	T. W. J. Kang, J. H.Hwang, E. C.Borofsky, M.Kim, M. H.Dahm, P.	Convective radiofrequency water vapor thermal therapy for lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	2019(1)	(no paginatio	CD013 251	5
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676	2019	I. D. Kably, R.Amin, A.Bhatia, S.Chang, Y.	Abstract No. 455 Prostatic arterial embolization (PAE) for inoperable prostate cancer patients	Journal of Vascular and Interventional Radiology	30(3	Suppleme	S198- S199	8
677	2019	I. A. Kably, A.Bhatia, S.	04:21 PM Abstract No. 130 The utility of CO ₂ angiography in identifying the origin of the prostatic artery during prostate artery embolization	Journal of Vascular and Interventional Radiology	30(3	Suppleme	S60-S61	8
678	2019	I. A. Kably, A.Bhatia, S.	03:18 PM Abstract No. 5 Prostate artery embolization for recurrent and intractable hematuria of prostate origin: a single-center experience	Journal of Vascular and Interventional Radiology	30(3	Suppleme	S6	8
679	2019	J. H. H. Jung, E. C.Dahm, P.	Current best evidence for prostatic arterial embolization	Current Opinion in Urology	29(6)		656-658	5
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681	2019	H. H. Jalaeian, R. J.Hartnell, G. G.Janne d'Othee, B.	Transrenal Ureteral Occlusion for Palliation of Refractory Urine Leaks Using Vascular Plugs and Liquid Ethylene Vinyl Alcohol	Journal of Vascular & Interventional Radiology	30		12 1994- 2001	2
682	2019	A. J. Isaacson	Prostate artery embolization	Applied Radiology	48		4	5
683	2019	I. S. D. O. G. Insausti Gorbea, A.Monreal Beortegui, R.Solchaga Alvarez, S.Urtasun Grijalba, F.	Complications and management	Cardiovascular and interventional radiology	Vol.42		3 S185- S186p	5

684	2019	L. u. I. Hechelhammer, G.Mordasini, L.Markart, S.uuml;sewell, S.Betschart, P.Schmid, H. P.Engeler, D. S.Abt, D.	Predictability and Inducibility of Detachment of Prostatic Central Gland Tissue after Prostatic Artery Embolization : post Hoc Analysis of a Randomized Controlled Trial	Journal of vascular and interventional radiology : JVIR	Vol.30	2	217-224p	10
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686	2019	N. V. Hacking, G.Maclean, D.Modi, S.Dyer, J.Harris, M.Bryant, T.	Technical and Imaging Outcomes from the UK Registry of Prostate Artery Embolization (UK-ROPE) Study: Focusing on Predictors of Clinical Success	CardioVascular and Interventional Radiology	42(5)		666-676	4
687	2019	N. K. G. Gupta, S. N.McVary, K. T.	New and Emerging Technologies in Treatment of Lower Urinary Tract Symptoms From Benign Prostatic Hyperplasia	Sexual Medicine Reviews	7(3)		491-498	5
688	2019	A. G. Gjoreski, J.Nancheva, A.	Uterine fibroid embolization via transradial versus transfemoral arterial access: Technical results	Open Access Macedonian Journal of Medical Sciences	7(4)		579-582	2
689	2019	P. J. A. G. Giral Villalta, J. F.Lopez Ubillos, G.Lacarra Fernandez, S.Zabalo San Juan, A.Asiaín Urmeneta, M.Meza Huaman, A. M.Sazatornil Escuer, M.Insausti Gorbea, I.Saez De Ocariz Garcia, A.Solchaga Alvarez, S.Napal Lecumberri, S.Cebrian Lostal, J. L.Losada Alvarez, I.	Prostatic artery embolization versus transurethral resection of the prostate in the treatment of benign prostatic hyperplasia: 12 month results of a clinical trial	European urology, supplements	Vol.18	1	e1494-e1495p	8
690	2019	R. H. Geevarghese, J.Hutchinson, C.Parsons, C.	Dynamic contrast enhanced MRI derived pharmacokinetic parameters and the relationship to outcomes following prostate artery embolisation	CardioVascular and Interventional Radiology	42(3 Supplement)		S492	6
691	2019	W. J. K. Garzon, H. J.	Radiation Doses to Anaesthetists during Prostatic Artery Embolization Interventional Procedures	Radiation protection dosimetry	185(2)		196-200	1

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693	2019	M. Frydenberg	Editorial comment	Journal of Urology	202(6)		1247	5
694	2019	H. E. D. Foster, P.Kohler, T. S.Lerner, L. B.Parsons, J. K.Wilt, T. J.McVary, K. T. H. E. B. Foster, M. J.Dahm, P.Gandhi, M. C.Kaplan, S. A.Kohler, T. S.Lerner, L.	Surgical management of lower urinary tract symptoms attributed to benign prostatic hyperplasia: Aua guideline amendment 2019	Journal of Urology	202(3)		592-598	5
695	2019	B.Lightner, D. J.Parsons, J. K.Roehrborn, C. G.Welliver, C.Wilt, T. J.McVary, K. T.Bagla, S.Piechowiak, R.McClure, T. D.Isaacson, A.	Re: Surgical Management of Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia: AUA Guideline	Journal of Urology	201(2)		400-401	5
696	2019	H. G. S. Fischer, F. E.Ahmad, S.	Outcomes of prostate artery embolisation for benign prostatic hyperplasia in 10 cases at steve biko academic hospital	South African Journal of Radiology	23(1) (no pagination)	a1349		4
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698	2019	N. T. Duborija-Kovacevic, Z.	Kidney, skeletal muscle and myocardium as potential target sites of Pygeum africanum toxicity in Wistar rats	Revista internacional de andrologia	17(1)		08월 14일	6
699	2019	J. A. du Pisanie, A.Donovan, K.Stewart, J.Bagla, S.Isaacson, A.	Predictors of Prostatic Artery Embolization Technical Outcomes: Patient and Procedural Factors	Journal of Vascular & Interventional Radiology	30	2	233-240	4
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703	2019	F. Desgrandchamps	Lower urinary tract disorders in men: which management?. [French]	La Revue du praticien	69(3)		307-310	9

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705	2019	M.Carnevale, F. C.Marcelino, A. S. Z.de Oliveira Cerri, L. M.Antunes, A. A.Srougi, M.Cerri, G. G.	Effects of Prostatic Artery Embolization on the Dynamic Component of Benign Prostate Hyperplasia as Assessed by Ultrasound Elastography: A Pilot Series	CardioVascular and Interventional Radiology	42(7)		1001-1007	4
706	2019	A. M. M. de Assis, A. M.Carnevale, F. C.	Angiographic Findings during Repeat Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	30(5)		645-651	4
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710	2019	P. K. K. Chiu, K. Y.Yee, C. H.Teoh, J. Y.Sy, L. I.Kwok, S. W.Cho, C. C. M.Hung, E. H. Y.Ng, C. F.Yu, S. C. H.	Prostatic artery embolization (PAE) for benign prostatic hyperplasia (BPH): Efficacy and safety at 1 year	BJU International	123(Supplement 1)		5	4
711	2019	P. Chin	Prostatic artery embolization : adding to the arsenal against the hapless prostate	BJU International	123	6	911-912	5
712	2019	M. K. Cedillo, J.Rastinehad, A.Bishay, V.Ranade, M.Patel, R.Kim, E.Nowakowski, F.Lookstein, R.Fischman, A.	Abstract No. 457 Safety and efficacy of 75-150 micron radiopaque beads for prostate artery embolization in patients with lower urinary tract symptoms secondary to benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	30(3 Supplement)		S199-S200	8

713	2019	F. C. Carnevale	The science behind prostate artery embolisation	CardioVascular and Interventional Radiology	42(3 Supplement)	S182-S184	5
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715	2019	G. E. C. Cacciamani, F. Tafuri, A. Shakir, A. Cocci, A. Gill, K. Gomez Rivas, J. Dourado, A. Veneziano, D. Okhunov, Z. Capogrosso, P. Hueber, P. A. Alberseen, M. Abreu, A. Migliorini, F. Fiori, C. Porcaro, A. B. Porpiglia, F. Desai, M. Russo, G. I.	Anterograde ejaculation preservation after endoscopic treatments in patients with bladder outlet obstruction: systematic review and pooled-analysis of randomized clinical trials	Minerva Urologica e Nefrologica	71	5 427-434	5
716	2019	G. E. C. Cacciamani, F. Tafuri, A. Shakir, A. Cocci, A. Gill, K. Rivas, J. G. Dourado, A. Veneziano, D. Okhunov, Z. Capogrosso, P. Hueber, P. A. Alberseen, M. Abreu, A. Migliorini, F. Fiori, C. Porcaro, A. B. Porpiglia, F. Desai, M. Russo, G. I.	Anterograde ejaculation preservation after endoscopic treatments in patients with bladder outlet obstruction: Systematic review and pooled-analysis of randomized clinical trials	Minerva Urologica e Nefrologica	71(5)	427-434	10
717	2019	N. S. Bullock, H. Kynaston, H. K. P. Buford, A. Khurgin,	Radical open surgery for management of extensive extra- prostatic benign prostatic hyperplasia	Journal of Clinical Urology	12(5)	398-400	4
718	2019	J. Chughtai, B. Teper, E. Silver, D. Schulman, A.	Contemporary active clinical trials in benign prostatic hyperplasia	Journal of Urology	201(4 Supplement 1)	e372	8
719	2019	A. D. S. Brown, S. F. Simons, M. E.	Minimally Invasive Treatment for Benign Prostatic Hyperplasia: Economic Evaluation from a Standardized Hospital Case Costing System	CardioVascular and Interventional Radiology	42(4)	520-527	3
720	2019	J. G. Briggs, M. Speirs, A. Ahmad, F. Kumar, S. Little, M. W.	Protective proximal coil embolisation during PAE: Technique and outcomes	CardioVascular and Interventional Radiology	42(3 Supplement)	S299-S300	12

721	2019	R. R. Brader, M.Isaacson, A.	04:03 PM Abstract No. 129 Comparison of charges and Medicare reimbursement for prostatic artery embolization and simple prostatectomy	Journal of Vascular and Interventional Radiology	30(3 Supplement)		S60	8
722	2019	T. C. Bilhim, N. V.Torres, D.Pisco, J.Carmo, S.Oliveira, A. G.	Randomized Clinical Trial of Balloon Occlusion versus Conventional Microcatheter Prostatic Artery Embolization for Benign Prostatic Hyperplasia	Journal of vascular and interventional radiology : JVIR	Vol.30	11	1798-1806p	4
723	2019	T. Bilhim	Imaging	CardioVascular and Interventional Radiology	42(3 Supplement)		S99	5
724	2019	T. Bilhim	Endovascular Resection of the Prostate: How Much Is Enough for Prostate Artery Embolization ?	Journal of Vascular and Interventional Radiology	30(2)		225-227	5
725	2019	T. Bilhim	Dealing with Prostatic Arteries -How Many Roads Must a Man Walk Down?	Journal of Vascular and Interventional Radiology	30(5)		652-653	5
726	2019	T. Bilhim	Prostatic Artery Embolization and the Median Lobe: Stuck in the Middle with You?	Journal of Vascular and Interventional Radiology	30(11)		1817-1819	5
727	2019	R. G. M. Biktimirov, A. G.Biktimirov, T. R.Kaputovskij, A. A.	[The current status of surgical treatment of benign prostatic hyperplasia with volume over 80 .]	Urologiia (Moscow, Russia)		3	128-133	5
728	2019	R. G. M. Biktimirov, A. G.Biktimirov, T. R.Kaputovskij, A. A.	The current status of surgical treatment of benign prostatic hyperplasia with volume over 80. [Russian]	Urologiia (Moscow, Russia : 1999)		3	128-133	9
729	2019	S. S. Bhatia, K.Kumar, J.Sandhu, J.Tummala, S.Quezada, L.Kably, I.	03: 18 PM Abstract No. 124 Utility of Emboguide with cone-beam CT in identification and navigation of prostatic arteries in prostate artery embolization compared with conventional 2D fluoroscopy with overlay technique: a prospective study	Journal of vascular and interventional radiology	Vol.30	3	S58p	8
730	2019	T. M. Barge, A.Boardman, P.Tapping, C. R.	Peri-procedural prostate enhancement during prostate artery embolisation does not predict clinical outcomes at 12 months	CardioVascular and Interventional Radiology	42(3 Supplement)		S304	4
731	2019	S. P. Bagla, R.McClure, T. D.Isaacson, A.	To the Editor	Journal of Urology	201(2)		400-401	5
732	2019	S. P. Bagla, R.Isaacson, A.	New Frontiers in Embolization	Advances in Clinical Radiology	1		227-231	5

733	2019	R. P. Ayyagari, T.Staib, L.Chapiro, J.Schoenberger, S.Devito, R.Pollak, J.	Case-Control Comparison of Conventional End-Hole versus Balloon-Occlusion Microcatheter Prostatic Artery Embolization for Treatment of Symptomatic Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	30(9)	1459-1470	12
734	2019	R. P. Ayyagari, T.Raja, A.Chapiro, J.Staib, L.Schoenberger, S.Devito, R.Bhatia, S.	Abstract No. 446 Prostatic artery embolization with 100µm-300µm particles to treat gross hematuria attributable to benign prostatic hyperplasia: A single-center analysis of 3-year outcomes	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S195	8
735	2019	R. P. Ayyagari, T.Raja, A.Chapiro, J.Staib, L.Bhatia, S.Schoenberger, S.Devito, R.	03:09 PM Abstract No. 4 Prostatic artery embolization with 100- to 300-µm particles to treat lower urinary tract symptoms attributable to benign prostatic hyperplasia: a single-center analysis of 2-year outcomes	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S5-S6	8
736	2019	R. P. Ayyagari, T.Raja, A.Chapiro, J.Staib, L.Bhatia, S.Schoenberger, S.Devito, R.	03:09 PM Abstract No. 123 Identifying predictors of lower urinary tract symptom improvement after prostatic artery embolization	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S57-S58	8
737	2019	R. P. Ayyagari, T.Fereydooni, A.Funai, E.Chapiro, J.Staib, L.Bhatia, S.	03:54 PM Abstract No. 128 Accuracy of diagnostic ultrasound, CT, and MRI compared with volumetric cone-beam CT measurement in predicting hyperplastic prostate gland volume	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S59-S60	8
738	2019	R. P. Ayyagari, T.Fereydooni, A.Funai, E.Chapiro, J.Staib, L.Bhatia, S.	Abstract No. 445 Predicting prostatic artery embolic particle deposition density based on gland volume and evaluating its effect on clinical outcomes for patients with lower urinary tract symptoms	Journal of Vascular and Interventional Radiology	30(3 Supplement)	S194-S195	8
739	2019	R. P. Ayyagari, T.Chapiro, J.Staib, L.Bhatia, S.Chai, T.Schoenberger, S.Devito, R.	Prostatic artery embolization to treat lower urinary tract symptoms attributable to benign prostatic hyperplasia: A single center analysis of 2-year outcomes	Journal of Urology	201(4 Supplement 1)	e464	4
740	2019	R. P. Ayyagari, T.Chapiro, J.Staib, L.Bhatia, S.Chai, T.Schoenberger, S.Devito, R.	Prostatic artery embolization to treat gross hematuria attributable to benign prostatic hyperplasia: A single center analysis of 3-year outcomes	Journal of Urology	201(4 Supplement 1)	e464-e465	8
741	2019	J. A. Anract, G.Peyromaure, M.Zerbib, M.Sapoval, M.Barry Delongchamps, N.	Study of the intra- prostatic arterial anatomy and implications for arterial embolization of benign prostatic hyperplasia	Progres en urologie : journal de l'Association francaise d'urologie et de la Societe francaise d'urologie	29(5)	263-269	4

742	2019	Anonymous	Abstracts of the Hong Kong Urological Association, 23rd Annual Scientific Meeting	BJU International. Conference: 23rd Annual Scientific Meeting of Hong Kong Urological Association. Hong Kong Hong Kong	123	Supplement 1		8
743	2019	Anonymous	Reply by Authors	Journal of Urology	201(2)		401-403	5
744	2019	J.Savignon, J.de Barros, V. S. M.Fernandes, J. L.Abud, D. G. K. G. G.-V. R. Amirkhiz,	Reduction of Staff Radiation Dose in Prostatic Artery Embolisation	Radiation protection dosimetry	187(1)		01월 07일	2
745	2019	M.Motamedinia, P.Leapman, M.Sprenkle, P.Weiss, R. I. A. Alrashidi, F.Garad,	Urologic health throughout the history of the white house	Journal of Urology	201(4 Supplement 1)		e252	8
746	2019	F.Alruhaimi, A.El-Tholoth, H. S.Alnemer, M.Said, M. Q. A.-O. Aljarrah, M. H.Elheis,	Intra prostatic Abscess: An Acute Complication of Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	30(2)		267-269	5
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748	2019	R. J.Hohlastos, E.Casalino, D. D.Hofer, M. D.Hamoui, N.Miller, F. H.Hairston, J.Salem, R.	MR imaging findings of the prostate gland following prostate artery embolization : results from a prospective phase 2 study	Abdominal Radiology	44(2)		713-722	4
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751	2019	S.Zumstein, V.Kessler, T. M.Schmid, H. P.Engeler, D. S.Hechelhammer, L.	Outcome prediction of prostatic artery embolization : post hoc analysis of a randomized, open-label, non-inferiority trial	BJU international	Vol.124	1	134-144p	10

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754	2018	C. L. Zhu, W.Huang, Z.Cai, J.	Prostate artery embolization and transurethral resection of prostate for benign prostatic hyperplasia: A prospective randomized controlled trial. [Chinese]	Chinese Journal of Interventional Imaging and Therapy	15(3)		134-138	9
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760	2018	H. S. Zhang, Y.Pan, J.Wang, H.Zhong, Y.Wang, Y.Ye, H.	MRI features after prostatic artery embolization for the treatment of medium- and large-volume benign hyperplasia	La Radiologia medica	123(10)		727-734	4
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771	2018	U. A. Teichgraber, R.Diamantis, I.von Rundstedt, F. C.Grimm, M. O.Franziel, T.	Prostate Artery Embolization : Indication, Technique and Clinical Results	RoFo Fortschritte auf dem Gebiet der Rontgenstrahlen und der Bildgebenden Verfahren.	5			5
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775	2018	J. Steurer		Praxis	107	20	1115-1116	5
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777	2018	K. Stamatiou	The impact of prostate artery embolization (PAE) on the the physical history and pathophysiology of benign prostatic hyperplasia (BPH)	Archivio Italiano di Urologia e Andrologia	90(1)		40-43	4
778	2018	Z. Sparchez	Contrast enhanced ultrasound of the prostate. New role in the evaluation of loco-regional therapy of prostate tumors	Medical Ultrasonography	20(2)		125-126	2
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781	2018	I. I. L. Sitkin, A. E.Dubsky, S. A.Kurbatov, D. G.Kozlov, K. L.Oleksyuk, I. B.Kudryavtsev, O. I.	Embolization of prostate arteries - an alternative technology for treatment of prostatic adenoma in patients with diabetes mellitus. [Russian]	Advances in gerontology = Uspekhi gerontologii	31(6)		983-987	9
782	2018	Sitkin, IILepetukhin, A. E.Dubsky, S. A.Kurbatov, D. G.Kozlov, K. L.Oleksyuk, I. B.Kudryavtsev, O. I.	[Embolization of prostate arteries - an alternative technology for treatment of prostatic adenoma in patients with diabetes mellitus.]	Advances in Gerontology = Uspekhi Gerontologii/Rossiiskai a Akademiia Nauk, Gerontologicheskoe Obshchestvo	31	6	983-987	5
783	2018	S. S. Singhal, B.Madhurkar, R.Uthappa, M. C. S. B. Secco, F.Di Trapani, D.Brambillasca, P. M.Barbieri, M.Migliorisi, C.Napoli, G.Vercelli, R.Solcia, M.Petralia, G.Strada, E.Bocciardi, A.Rampoldi, A.Galfano, A.	Prostate artery embolisation : An initial experience from an Indian perspective	Polish Journal of Radiology	83		e604-e609	4
784	2018	M.Migliorisi, C.Napoli, G.Vercelli, R.Solcia, M.Petralia, G.Strada, E.Bocciardi, A.Rampoldi, A.Galfano, A.	Our experience and actual indications for prostatic artery embolization as an alternative treatment for lower urinary tract symptoms	European Urology, Supplements	17(2)		e1038	8

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786	2018	R. H. Salem, J.Hohlastos, E.Riaz, A.Kallini, J.Gabr, A.Ali, R.Jenkins, K.Karp, J.Desai, K.Thornburg, B.Casalino, D.Miller, F.Hofer, M.Hamoui, N.Mouli, S.	Prostate Artery Embolization for Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia: Results From a Prospective FDA-Approved Investigational Device Exemption Study	Urology	120	205-210	4	
787	2018	T. P. Sabharwal, R.	Prostate artery embolization	BJU International	122(2)	167-168	5	
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791	2018	G. d. I. T. Robert, A.Descazeaud, A.	[Surgical treatment of BPO: Standard and innovations]	Progres en Urologie	28	15	856-867	5
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799	2018	E. M. Nzekwu, A.Lee, A.Bakshi, D.	Intra- Arterial and Intravenous Contrast-Enhanced Ultrasonography in Prostate Artery Embolization : A Case Series	Journal of Vascular & Interventional Radiology	29	10	1399-1402	4
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803	2018	S. J. T. S. Nevitt, C.Weston, J.Marson, A. G.	Lamotrigine versus carbamazepine monotherapy for epilepsy: An individual participant data review	Cochrane Database of Systematic Reviews	2018(6) (no pagination)	CD001031		5

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805	2018	R.Miller, F.Hamoui, N.Lewandowski, R.Hairston, J.Salem, R. H. S. Moschouris, K.Kalokairinou Motogna, M.Vrakas, S.Kiltenis, M.Kladis-Kalentzis,	Prospective single-center investigational device exemption study of prostate artery embolization for lower urinary tract symptoms	Journal of Vascular and Interventional Radiology	29(4 Supplement 1)		S9	8
806	2018	K.Tsavdaroglou, A.Papadogeorgopoulos, N.Marmaridou, K.Malagari, K.	Early post-interventional sonographic evaluation of prostatic artery embolization. A promising role for contrast-enhanced ultrasonography (CEUS)	Medical Ultrasonography	20	2	134-140	10
807	2018	H. S. Moschouris, K.Kornezos, I.Kartsouni, V.Malagari, K.	Favorable Outcome of Conservative Management of Extensive Bladder Ischemia Complicating Prostatic Artery Embolization	CardioVascular and Interventional Radiology	41(1)		191-196	5
808	2018	H. S. Moschouris, K.Kalokairinou-Motogna, M.Vrakas, S.Kiltenis, M.Kladis-Kalentzis, K.Tsavdaroglou, A.Papadogeorgopoulos, N.Marmaridou, K.Malagari, K.	Early post-interventional sonographic evaluation of prostatic artery embolization. A promising role for contrast-enhanced ultrasonography (CEUS)	Medical Ultrasonography	20(2)		134-140	4
809	2018	P. P. S. Mohan, J.Kably, I.	Retrograde Prostatic Arterial Embolization via Penile Collateral in Chronic Total Occlusion of the Prostatic Artery	Journal of Vascular and Interventional Radiology	29(9)		1331-1333	4
810	2018	T. D. R. McClure, J.	What Is New in Prostate Artery Embolization for Lower Urinary Tract Symptoms?	European urology focus	Vol.4	1	46-48p	5
811	2018	S. Mayor	NICE recommends prostate artery embolisation as a treatment option for BPH symptoms	BMJ (Clinical research ed.)	361		k1879	5
812	2018	B. L. Malling, L. B.Frevert, S.Lindh, M.Bagi, P.Vejborg, I.Brasso, K.Roder, M. A.	[Prostate artery embolisation is a new treatment for prostate disease]	Ugeskrift for Laeger	180	33	13	5

813	2018	B. L. Malling, L. B.Frevert, S.Lindh, M.Bagi, P.Vejborg, I.Brasso, K.Roder, M. A.	Prostate artery embolisation is a new treatment for prostate disease. [Danish]	Ugeskrift for laeger	180	33		9
814	2018	S. Madersbacher	Re: comparison of Prostatic Artery Embolization (PAE) Versus Transurethral Resection of the Prostate (TURP) for Benign Prostatic Hyperplasia: randomised, Open Label, Non-inferiority Trial	European urology		paginat ion		5
815	2018	D. H. Maclean, M.Drake, T.Maher, B.Modi, S.Dyer, J.Somani, B.Hacking, N.Bryant, T.	Factors Predicting a Good Symptomatic Outcome After Prostate Artery Embolisation (PAE)	CardioVascular and Interventional Radiology	41(8)		1152-1159	4
816	2018	K. G. Kuppler, R.Rachakonda, L.Hoots, G.Davis, C.	Prostate artery embolization : Prospective single-center trial evaluating prostate artery embolization outcomes for benign prostatic hypertrophy (Prostates over 90 cc)	Journal of Vascular and Interventional Radiology	29(2)		e11	4
817	2018	D. P. Kuetting, C. C.	Percutaneous Treatment Options of Lower Urinary Tract Fistulas and Leakages	RoFo Fortschritte auf dem Gebiet der Rontgenstrahlen und der Bildgebenden Verfahren	190(8)		692-700	5
818	2018	N. E. Kisilevzky, D.Lylyk, P.	Prostatic artery embolization for benign hyperplasia: Outcome after the 1-year follow-up in 40 consecutive cases performed at a single center	Journal of Vascular and Interventional Radiology	29(4	Supple ment 1)	S7	4
819	2018	A. Y. F. Kim, D. H.DeMulder, D.Spies, J.Krishnan, P.	Utility of MR Angiography in the Identification of Prostatic Artery Origin Prior to Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	29(3)		307-310.e1	12
820	2018	C. K. Johnstone, P.Ravi, R.Lucky, M.Baird, A.	Prostatic arterial embolisation : Outcomes at a UK tertiary referral centre	Journal of Clinical Urology	11(Supple ment 1)		71	4
821	2018	A. J. P. Isaacson, R. L.Nutting, C.Bagla, S.	How to "Get Out of Trouble" During Prostatic Artery Embolization	Techniques in Vascular and Interventional Radiology	21(4)		288-294	8
822	2018	A. J. H. Isaacson, T. S.Bagla, S.Burke, C. T.	Initial Experience with Balloon-Occlusion Prostatic Artery Embolization	Journal of Vascular & Interventional Radiology	29	1	85-89	4

823	2018	J. R. Hung Jung, B.McCutcheon, K. A.Borofsky, M.Narayan, V.Young, S.Golzarian, J.Kim, M. H.Shin, T. Y.Dahm, P.	Cochrane systematic reviews of prostatic urethral lift and prostatic arterial embolization	Journal of Urology	199(4 Supplement 1)		e1222	5
824	2018	A. P. Hall, K.Gadani, S.Aryan, L.Sherwani, A.Bant, R.Guynan, J.Gebke, T.Almeter, J.Fang, A.Morel-Ovalle, L.Kao, J.Vaheesan, K.	A comparison of prostate computed tomography angiogram protocols for visualization of prostate arteries prior to prostate artery embolization	Journal of Vascular and Interventional Radiology	29(4 Supplement 1)		S16	8
825	2018	X. Z. Guo, D.Hu, X.Xu, M.Wu, H.Sun, P.	Observation of quality of life in patients with benign prostatic hyperplasia after prostatic artery embolization . [Chinese]	Journal of Interventional Radiology (China)	27(6)		578-581	9
826	2018	T. L. Griebing	Re: Prostatic Artery Embolization for the Treatment of Symptomatic Benign Prostatic Hyperplasia in Men ≥ 75 Years: A Prospective Single-Center Study	The Journal of urology	199(1)		11월 12일	5
827	2018	V. A. E. Gorozhanin, S. S.Pilipenko, Y. V.Shekhtman, O. D.Sazonova, O. B.	[Immediate outcomes of microsurgical treatment of cerebral arteriovenous malformations in non-hemorrhagic patients]	Zhurnal Voprosy Neurokhirurgii Imeni N - N - Burdenko	82	6	30-37	1
828	2018	J. P. Ghelfi, D.Sengel, C.Charara, S.Delouche, A.Guillaume, B.Fiard, G.Long, J. A.Ferretti, G.	Prostatic Fragment Requiring Endoscopic Management After Prostatic Artery Embolization for Indwelling Bladder Catheter	CardioVascular and Interventional Radiology	41(8)		1295-1297	5
829	2018	T. A. Franiel, R.Trupp, S.Lehmann, T.von Rundstedt, F. C.Grimm, M. O.Teichgraber, U. H. E. B. Foster, M. J.Dahm, P.Gandhi, M. C.Kaplan, S.	Prostatic Artery Embolization with 250- μ m Spherical Polyzene-Coated Hydrogel Microspheres for Lower Urinary Tract Symptoms with Follow-up MR Imaging	Journal of Vascular and Interventional Radiology	29(8)		1127-1137	4
830	2018	A.Kohler, T. S.Lerner, L. B.Lightner, D. J.Parsons, J. K.Roehrborn, C. G.Welliver, C.Wilt, T. J.McVary, K. T.	Surgical Management of Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia: AUA Guideline	Journal of Urology	200(3)		612-619	5
831	2018	K. B. B. Fergus, N.Tresh, A.Conrad, M. B.Breyer, B. N.	Use of angio embolization in urology: A review	Translational Andrology and Urology	7(4)		535-544	5

832	2018	J. C. Fainberg, B.Lee, R.Te, A.McClure, T.	Prostate Artery Embolization : Current Status 2018	Current Bladder Dysfunction Reports	13(2)		21-24	5
833	2018	M. D. Fadel, R.Katmawi-Sabbagh, S.	Prostatic artery embolisation for the treatment of lower urinary tract symptoms and catheter-dependent urinary retention in patients with benign prostatic hyperplasia	Journal of Clinical Urology	11(Supplement 1)		70-71	4
834	2018	J. S. W. DeMeritt, E.Wattamwar, A.Osiason, A.Chervoni-Knapp, T.Zamudio, S.	Duplicated Prostate Artery Central Gland Blood Supply: A Retrospective Analysis and Classification System	Journal of Vascular & Interventional Radiology	29	11	1595-1600.e9	12
835	2018	R. S. Dasgupta, M.Ray, A.Powell, J.Modi, S.Carolan-Rees, G.Hacking, N.	Prostate artery embolisation versus turp; a multicentric prospective comparison: the uk-rope study	Journal of Urology	199(4 Supplement 1)		e835	8
836	2018	F. V. D'Antuono, P.	Immediate Resolution of a Grade 3 Varicocele Post- Prostatic Artery Embolisation (PAE)	CardioVascular and Interventional Radiology	41(4)		664	5
837	2018	D. C. Christidis, E.Ly, V.Perera, M.Woo, H.Lawrentschuk, N.Bolton, D.	Prostatic artery embolization for benign prostatic obstruction: assessment of safety and efficacy	World journal of urology	36(4)		575-584	5
838	2018	P. K. F. N. Chiu, C. F.Yee, C. H.Teoh, J. Y. C.Cho, C. C.Hung, E. H.Yu, S. C.	Prostatic artery embolization (PAE) for benign prostatic hyperplasia: A pilot study	International Journal of Urology	25(Supplement 1)		269	4
839	2018	Y. R.-C. Chau, C.Durand, M.Lena, P.Raffaelli, C.Brunner, P.Quintens, H.Sedat, J.	Prostatic Artery Embolization with Ethylene Vinyl Alcohol Copolymer: A 3-Patient Series	Journal of Vascular and Interventional Radiology	29(9)		1333-1336	4
840	2018	B. S. Challacombe, T.	Prostate artery embolisation for benign prostatic hyperplasia	BMJ (Online)	361 (no pagination)	k2537		5
841	2018	N. W. Brown, D.McBean, R.Pokorny, M.Kua, B.Gianduzzo, T.Dunlison, N.Esler, R.Yaxley, J.	Prostate artery Embolisation Assessment of Safety and feasibility (P-EASY): a potential alternative to long-term medical therapy for benign prostate hyperplasia	BJU International	122(Supplement 5)		27-34	4
842	2018	S. S. Bhatia, V. K.Kava, B. R.Gomez, C.Harward, S.Punnen, S.Kably, I.Miller, J.Parekh, D. J.	Efficacy of Prostatic Artery Embolization for Catheter-Dependent Patients with Large Prostate Sizes and High Comorbidity Scores	Journal of Vascular & Interventional Radiology	29	1	78-84.e1	4

843	2018	S. S. Bhatia, V. K.Harward, S.Gomez, C.Kava, B. R.Parekh, D. J.	Prostate Artery Embolization in Patients with Prostate Volumes of 80 mL or More: A Single-Institution Retrospective Experience of 93 Patients	Journal of Vascular and Interventional Radiology	29(10)	1392-1398	5
844	2018	S. S. Bhatia, V. K.Abdul-Rahim, O.Harward, S.Narayanan, G.	Rare Prostatic Artery Origins and the Importance of Collateral Circulation in Prostate Artery Embolization : A Pictorial Essay	Canadian Association of Radiologists Journal	69(2)	220-229	5
845	2018	S. S. Bhatia, V.Harward, S.Gomez, S.Narayanan, G.	Safety and feasibility of prostate artery embolization via transradial access-single-center experience in 90 patients	Journal of Vascular and Interventional Radiology	29(4) Supplement 1)	S182	8
846	2018	S. S. Bhatia, V.Harward, S.Gomez, C.Kava, B.Parekh, D.	Clinical outcomes measures in the use of prostate artery embolization for prostates ≥ 80 grams: A single-center experience in 110 patients	Journal of Vascular and Interventional Radiology	29(4) Supplement 1)	S6	8
847	2018	S. S. Bhatia, V.Harward, S.Gomez, C.Kava, B.Parekh, D.	Prostate artery embolization for prostate volumes ≥ 80 g vs. < 80 g- clinical outcomes from a single institution	Journal of Vascular and Interventional Radiology	29(4) Supplement 1)	S7-S8	4
848	2018	S. H. Bhatia, S.Sinha, V.Gomez, C.Kava, B.	Improvement in sexual function associated with prostatic artery embolization (PAE): An emerging treatment option for men with symptomatic BPH	Journal of Sexual Medicine	15(2) Supplement 1)	S19-S20	4
849	2018	S. G. Bhatia, S.Sinha, V.Harward, S.Gomez, C.Kava, B.Parekh, D.	Treating refractory hematuria of prostatic origin with prostate artery embolization : Single-institution experience in 12 patients	Journal of Vascular and Interventional Radiology	29(4) Supplement 1)	S5	4
850	2018	S. G. Bhatia, S.Shaikh, S.Sinha, V.Kably, I.	Prostate artery embolization for chronic and recurrent urinary tract infections associated with benign prostatic hypertrophy	Journal of Vascular and Interventional Radiology	29(4) Supplement 1)	S6-S7	8
851	2018	Anonymous	2018 Annual Meeting, American Urological Association, AUA	Journal of Urology. Conference	199	4 Supplement 1	8
852	2018	Anonymous	NICE Guidance - Prostate artery embolisation for lower urinary tract symptoms caused by benign prostatic hyperplasia: © NICE (2018) Prostate artery embolisation for lower urinary tract symptoms caused by benign prostatic hyperplasia	BJU international	122(1)	11월 12일	5
853	2018	Anonymous		Aktuelle Urologie	49(5)	387-388	5
854	2018	G. P. Amouyal, O.Del Giudice, C.Dean, C.Thiounn, N.Sapoval, M.	Variants of Patterns of Intra- and Extra- prostatic Arterial Distribution of the Prostatic Artery Applied to Prostatic Artery Embolization : Proposal of a Classification	CardioVascular and Interventional Radiology	41(11)	1664-1673	2

855	2018	R. M. Ali, S.Miller, F.Gabr, A.Mora, R.Asadi, A.Abouchaleh, N.Riaz, A.Lewandowski, R.Hamoui, N.Hairston, J.Salem, R.	Changes in total gland and central zone volumes following prostate artery embolization : Results from a prospective study	Neurourology and Urodynamics	37(Supplement 1)	S663	8	
856	2018	R. M. Ali, S.Miller, F.Gabr, A.Mora, R.AI Asadi, A.Abouchaleh, N.Hairston, J.Riaz, A.Lewandowski, R.Salem, R.	Changes in total gland and central zone volumes following prostate artery embolization : Results from a prospective study	Journal of Vascular and Interventional Radiology	29(4 Supplement 1)	S5	10	
857	2018	D. H. Abt, L.Mullhaupt, G.Markart, S.Gusewell, S.Kessler, T. M.Schmid, H. P.Engeler, D. S.Mordasini, L.	Comparison of prostatic artery embolisation (PAE) versus transurethral resection of the prostate (TURP) for benign prostatic hyperplasia: Randomised, open label, non-inferiority trial	BMJ (Online)	361 (no pagination)	k2338	10	
858	2018	D. B. Abt, P.Hechelhammer, L.Mullhaupt, G.Mordasini, L.Engeler, D. S.Schmid, H. P.	Prostatic artery embolization for treatment of benign prostatic hyperplasia: ready for the clinical routine?. [German]	Journal fur Urologie und Urogynakologie	25(4)	160-165	9	
859	2017	J. Y. Zhang, K.Wang, M.	Progress of prostatic arterial embolization for treatment of benign prostatic hyperplasia. [Chinese]	Chinese Journal of Radiology (China)	51(6)	477-480	9	
860	2017	D. Yung-Ho Sze	Abstracts Chosen by the Annual Scientific Meeting Committee	Journal of Vascular and Interventional Radiology	Part S. 28(2)	S3	8	
861	2017	S. C. H. C. Yu, C. C. M.Hung, E. H. Y.Chiu, P. K. F.Yee, C. H.Ng, C. F.	Prostate Artery Embolization for Complete Urinary Outflow Obstruction Due to Benign Prostatic Hypertrophy	CardioVascular and Interventional Radiology	40(1)	33-40	4	
862	2017	S. C. H. C. Yu, C.Hung, E.Wang, D.Chiu, P.Yee, C. H.Ng, A.	Case-Control Study of Intra- arterial Verapamil for Intra prostatic Anastomoses to Extraprostatic Arteries in Prostatic Artery Embolization for Benign Prostatic Hypertrophy	Journal of vascular and interventional radiology	Vol.28	8	1167-1176p	4
863	2017	S. C. C. Yu, C. C.Hung, E. H.Chiu, P. K.Yee, C. H.Ng, C. F.	Prostate Artery Embolization for Complete Urinary Outflow Obstruction Due to Benign Prostatic Hypertrophy	Cardiovascular & Interventional Radiology	40	1	33-40	10
864	2017	S. G. Young, J.	Prostate Arterial Embolization is a Viable Option for Treating Symptoms of Benign Prostatic Hypertrophy: Pro	Journal of Urology	198(1)	09월 11일	5	
865	2017	M. Q. D. Wang, F.Yuan, K.Zhang, G. D.Yan, J.Wang, Y.	Benign prostatic hyperplasia: Cone-beam CT in conjunction with DSA for identifying prostatic arterial anatomy	Radiology	282(1)	271-280	12	

866	2017	K. M. O. Waisanen, T.Vaish, S. S.	Testicular Metastasis From Prostatic Adenocarcinoma Presenting as Recurrent Epididymo-orchitis	Urology	108		e7-e9	4
867	2017	I. S. Voznesensky, E.DeLay, K. J.Yafi, F.Hellstrom, W. J. G.	Benign Prostatic Hyperplasia Treatment Options and Their Effects on Sexual Function	Sexual Medicine Reviews	5(1)		87-102	2
868	2017	A. P. Uflacker, J.Haskal, Z. J.	Reply to: "Meta-Analysis of Prostatic Artery Embolization for Benign Prostatic Hyperplasia-Review of 12-Month Outcomes Data"	Journal of Vascular and Interventional Radiology	28(5)		772-773	5
869	2017	R. L. C. Tregunna, P.Bultitude, M. F.	One Strategy Does Not Fit All: The Era of Personalised Medicine for the Treatment of Male Lower Urinary Tract Symptoms Is upon Us	European Urology	72(6)		998-999	2
870	2017	J. Y. C. C. Teoh, P. K. F.Yee, C. H.Wong, H. M.Chan, C. K.Chan, E. S. Y.Hou, S. S. M.Ng, C. F.	Prostatic artery embolization in treating benign prostatic hyperplasia: a systematic review	International Urology and Nephrology	49(2)		197-203	5
871	2017	J. Y. C. Teoh, P. K.Yee, C. H.Wong, H. M.Chan, C. K.Chan, E. S.Hou, S. S.Ng, C. F.	Prostatic artery embolization in treating benign prostatic hyperplasia: a systematic review	International Urology & Nephrology	49	2	197-203	10
872	2017	C. R. L. Tapping, M. W.Macdonald, A.Boardman, P.	Prostatic artery embolisation (PAE) for haematuria/ haematospermia in the absence of an upper urinary tract pathology	CardioVascular and Interventional Radiology	40(2 Supplement 1)		S118	4
873	2017	C. R. L. Tapping, M. W.Boardman, P.	Successful Prostatic Artery Embolization following UroLift Device Failure	Journal of Vascular and Interventional Radiology	28(9)		1275-1276	4
874	2017	C. R. L. Tapping, M. W.Boardman, P.	Immediate Resolution of a Grade 3 Varicocele Post Prostatic Artery Embolisation (PAE)	CardioVascular and Interventional Radiology	40(9)		1481-1483	5
875	2017	K. D. K. Sievert, T.	Emerging techniques in 'truly' minimal-invasive treatment options of benign prostatic obstruction	Current Opinion in Urology	27(3)		287-292	5
876	2017	S. R. K. Shim, K. J.Ko, Y. M.Kim, J. H.	Efficacy and Safety of Prostatic Arterial Embolization : Systematic Review with Meta-Analysis and Meta-Regression	Journal of Urology	197	2	465-479	5
877	2017	S. R. K. Shim, K. J. K.Ko, Y. M.Kim, J. H.	Efficacy and Safety of Prostatic Arterial Embolization : Systematic Review with Meta-Analysis and Meta-Regression	Journal of Urology	197(2)		465-479	10
878	2017	M. H. Salsano, V.Thulasidasan, N.Parthipun, A.Ilyas, S.Popert, R.Sabharwal, T.	Prostate artery embolization for the treatment of benign prostatic hyperplasia: A prospective single-center study	CardioVascular and Interventional Radiology	40(1 Supplement 1)		S23	4

879	2017	K. S. Sagawa, M.	A case series of pelvic fracture patients who developed lower urinary tract symptoms after transarterial embolization of bilateral internal iliac arteries	Acute Medicine and Surgery	4(3)		358-362	2
880	2017	A. I. G. Saez De Ocariz Garcia, I.Solchaga Alvarez, S.Monreal Beortegui, R.Giral Villalta, P. J.Napal Lecumberri, S.Urtasun Grijalba, F.	Prostatic artery embolization versus transurethral resection of the prostate in the treatment of benign prostatic hyperplasia: 6-month results of a clinical trial	Cardiovascular and interventional radiology	Vol.40	2	S117-S118p	8
881	2017	C. P. Rogers, D.Wilcher, K.Rehan, R.Zanini, M.Schwartz, S.	Prostate artery embolization prior to robotic simple prostatectomy in a patient with high bleeding risk	Journal of Urology	197(4 Supplement 1)		e600	4
882	2017	M. S. Rauch, H.	[Interventional treatment of benign prostatic hyperplasia : Embolization of the testicular vein]	Radiologe	57	8	652-658	5
883	2017	M. S. Rauch, H.	Interventional treatment of benign prostatic hyperplasia : Embolization of the testicular vein. [German]	Der Radiologe	57(8)		652-658	9
884	2017	A. G. B. Rampoldi, F.Migliorisi, C.Solcia, M.Vercelli, R.Brambillasca, P.Secco, S.Galfano, A.Rodrigues, V. C. D. P.Assis, A.Moreira, A. M.Bocciardi, A.Carnevale, F. C.	When the prostatic artery does not originate from hypogastric branches, what to do for attaining good results in prostatic artery embolization?	CardioVascular and Interventional Radiology	40(2 Supplement 1)		S130	8
885	2017	A. B. Rampoldi, F.Secco, S.Migliorisi, C.Galfano, A.Prestini, G.Harward, S. H.Di Trapani, D.Brambillasca, P. M.Ruggero, V.Solcia, M.Carnevale, F. C.Bocciardi, A. M.	Prostatic Artery Embolization as an Alternative to Indwelling Bladder Catheterization to Manage Benign Prostatic Hyperplasia in Poor Surgical Candidates	CardioVascular and Interventional Radiology	40(4)		530-536	4
886	2017	Z. Z. Qiu, C.Wang, X.Cheng, K.Liang, X.Wang, D.Hou, S.Wang, X.	Clinical evaluation of embolization of the superior vesical prostatic artery for treatment of benign prostatic hyperplasia: a single-center retrospective study	Wideochirurgia i Inne Techniki Maloinwazyjne	12	4	409-416	0
887	2017	Z. Z. Qiu, C.Cheng, K.Liang, X.Wang, D.Hou, S.Wang, X.	Clinical evaluation of embolization of the superior vesical prostatic artery for treatment of benign prostatic hyperplasia: A single-center retrospective study	Wideochirurgia I Inne Techniki Maloinwazyjne	12(4)		409-416	10

888	2017	J. S. C. Pyo, W. J.	Systematic review and meta-analysis of prostatic artery embolisation for lower urinary tract symptoms related to benign prostatic hyperplasia	Clinical Radiology	72(1)	16-22	5
889	2017	J. M. B. Pisco, T.Pinheiro, L. C.Fernandes, L.Costa, N. V.Oliveira, A. G.	The 6-month-7.5-year outcome of prostatic artery embolization in 1100 patients with benign hyperplasia	CardioVascular and Interventional Radiology	40(2 Supplement 1)	S119	4
890	2017	E. L. Nzekwu, A.Mirakhur, A.Bakshi, D.	Contrast-enhanced ultrasonography-guided elective prostate artery embolizations : A case series	CardioVascular and Interventional Radiology	40(2 Supplement 1)	S312	12
891	2017	R. L. V. A. Nunes, A. A.Constantin, D. S.	Contemporary surgical treatment of benign prostatic hyperplasia	Revista da Associacao Medica Brasileira	63(8)	711-716	5
892	2017	A. I. T. Neimark, M. A.Neimark, B. A.Torbik, D. V.Arzamastsev, D. D.	[X-ray-guided endovascular surgery in patients with benign prostatic hyperplasia and prostate cancer]	Urologiia (Moscow, Russia)	1	54-60	1
893	2017	A. I. T. Neimark, M. A.Neimark, B. A.Torbik, D. V.Arzamastsev, D. D.	X-ray-guided endovascular surgery in patients with benign prostatic hyperplasia and prostate cancer. [Russian]	Urologiia (Moscow, Russia : 1999)	1	54-60	9
894	2017	V. J. Narayan, J. H.Dahm, P.	Re: Efficacy and Safety of Prostatic Arterial Embolization : Systematic Review with Meta-Analysis and Meta-Regression: S. R. Shim, K. J. Kanhai, Y. M. Ko and J. H. Kim J Urol 2017; 197: 465-479	Journal of Urology	198(1)	215-216	5
895	2017	C. C. Moya, J.Friera, A.Gil-Vernet Sedo, J. M.Valderrama-Canales, F. J.	Cadaveric and radiologic study of the anatomical variations of the prostatic arteries : A review of the literature and a new classification proposal with application to prostatectomy	Clinical Anatomy	30(1)	71-80	5
896	2017	A. M. d. A. Moreira, A. M.Carnevale, F. C.Antunes, A. A.Srougi, M.Cerri, G. G.	A Review of Adverse Events Related to Prostatic Artery Embolization for Treatment of Bladder Outlet Obstruction Due to BPH	CardioVascular and Interventional Radiology	40(10)	1490-1500	5
897	2017	G. H. Mokhtari, H.Aval, H. B.Esmaeili, S.	Selective bilateral internal iliac artery embolization for controlling refractory hematuria due to the metastatic squamous cell carcinoma of the urinary bladder: A case report	Italian Journal of Medicine	11(2)	211-214	4
898	2017	A. M. Mirakhur, J. P.	Prostate Artery Embolization for Benign Prostatic Hyperplasia: Current Status	Canadian Association of Radiologists Journal	68(1)	84-89	5

899	2017	D. L. N. J. Martins, F. A. C.Azevedo, A. A. P.Valle, L. G. M.Affonso, B. B.Galastri, F. L.Motta-Leal-Filho, J. M.Cavalcante, R. N.Garcia, R. G.Nasser, F. G. C. Magistro, C. R.Elhilali,	Use of ultrasound with microbubbles as a control imaging method after prostatic artery embolization for benign prostatic hyperplasia	CardioVascular and Interventional Radiology	40(2 Supplement 1)	S220	8	
900	2017	M.Gilling, P.McVary, K. T.Roehrborn, C. G.Stief, C. G.Woo, H. H.Gratzke, C. G. C. Magistro, C. R.Elhilali,	Emerging Minimally Invasive Treatment Options for Male Lower Urinary Tract Symptoms	European Urology	72	6	986-997	5
901	2017	M.Gilling, P.McVary, K. T.Roehrborn, C. G.Stief, C. G.Woo, H. H.Gratzke, C. H. U. Maeda, S.Kanagawa,	Emerging Minimally Invasive Treatment Options for Male Lower Urinary Tract Symptoms[Figure presented]	European Urology	72(6)		986-997	8
902	2017	T.Tsuda, S.Akimori, T.Fujieda, Y.Kamioka, N.Kobayashi, M.Hanazaki, K.	Sarcomatoid combined hepatocellular carcinoma and cholangiocarcinoma of liver with spontaneous intra-tumor bleeding: A case report	Annals of Cancer Research and Therapy	25(2)		77-80	4
903	2017	D. M. Maclean, B.Modi, S.Harris, M.Dyer, J.Somani, B.Hacking, N.Bryant, T.	Prostate artery embolization : A new, minimally invasive treatment for lower urinary tract symptoms secondary to prostate enlargement	Therapeutic Advances in Urology	9(8)		209-216	5
904	2017	A. L. Macdonald, M. W.Boardman, P.Tapping, C. R.	Sublingual glyeryl trinitrate improves prostate artery visibility on CTA performed preoperatively for prostate artery embolization	CardioVascular and Interventional Radiology	40(2 Supplement 1)	S129	8	
905	2017	M. W. M. Little, A.Boardman, P.Tapping, C. R.	Adenomatous-dominant benign prostatic hyperplasia (AdBPH) as a predictor of clinical success following prostate artery embolization	CardioVascular and Interventional Radiology	40(2 Supplement 1)	S119	8	
906	2017	M. W. B. Little, P.Macdonald, A. C.Taylor, N.Macpherson, R.Crew, J.Tapping, C. R.	Adenomatous-Dominant Benign Prostatic Hyperplasia (AdBPH) as a Predictor for Clinical Success Following Prostate Artery Embolization : An Age-Matched Case-Control Study	CardioVascular and Interventional Radiology	40(5)		682-689	4
907	2017	P. W. Li, C.Cao, Q.Zhang, J.Shi, H.Meng, X.	Prostatic Arterial Embolization Followed by Holmium Laser Enucleation of the Prostate as a Planned Combined Approach for Extremely Enlarged Benign Prostate Hyperplasia	Urologia Internationalis	99(4)		422-428	4

908	2017	B. X. Li, A.Wang, N.Min, X.Feng, Z.Deng, M.Li, L.Cai, J.Kang, Z.Jiang, K.Kuang, D.Wang, L.	Benign prostatic hyperplasia after prostatic arterial embolization in a canine model: A 3T multiparametric MRI and whole-mount step-section pathology correlated longitudinal study	Journal of Magnetic Resonance Imaging	46(4)		1220-1229	6
909	2017	L. C. d. A. Leite, A. M.Moreira, A. M.Harward, S. H.Antunes, A. A.Carnevale, F. C.	Prostatic Tissue Elimination After Prostatic Artery Embolization (PAE): A Report of Three Cases	CardioVascular and Interventional Radiology	40(6)		937-941	4
910	2017	M. V. Kuang, A.Athreya, S.	A Systematic Review of Prostatic Artery Embolization in the Treatment of Symptomatic Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	40(5)		655-663	5
911	2017	B. B. Kua, N.Pokorny, M.Yaxley, J.Dunlison, N.Gianduzzo, T.Walker, D.	P-easy trial: Prostate artery embolisation assessment of safety and feasibility	BJU International	119(Supplement 2)		43	8
912	2017	A. Kovacs	[Prostate artery embolization (PAE) : Technique and results]	Radiologe	57	8	641-651	9
913	2017	A. Kovacs	Prostate artery embolization (PAE) : Technique and results. [German]	Der Radiologe	57(8)		641-651	9
914	2017	N. E. Kisilevzky, D.Blaise, C.Lylyk, P.	Prostatic artery embolization for benign hyperplasia: Outcome after the 1-year follow-up in 25 consecutive cases performed at a single center	CardioVascular and Interventional Radiology	40(2 Supplement 1)		S217	4
915	2017	C. L. H. Kinman, D. T. G.Agrawal, A.Vyleta, M. S.Francis, S. L.	Retroperitoneal Hemorrhage After Sacral Neurostimulator Placement for Urgency Urinary Incontinence	Female Pelvic Medicine & Reconstructive Surgery	23	4	e29-e31	1
916	2017	J. I. D. Kim, H.Isaacson, A. J.	Incidence of "Occult" Prostatopudendal Arterial Anastomoses during Prostatic Artery Embolization	Journal of Vascular & Interventional Radiology	28	9	1273-1275	5
917	2017	J. I. B. Kim, R.Viprakasit, D. P.Isaacson, A. J.	Prostatic Artery Embolization for the Treatment of Benign Prostatic Hyperplasia in the Setting of Bladder Calculi	Journal of Vascular and Interventional Radiology	28(2)		306-308	4
918	2017	M. L. Khalili, W.Challacombe, B.Popert, R.Sabhawal, T.	Successful treatment of benign prostatic hyperplasia using prostate artery embolization in a 97-year-old patient presenting with urinary retention and visible haematuria	International Journal of Surgery	47(Supplement 1)		S25	4
919	2017	S. A. Kaplan	Prostate Arterial Embolization is a Viable Option for Treating Symptoms of Benign Prostatic Hyperplasia: Con	Journal of Urology	198(1)		09월 11일	5
920	2017	I. B. Kably, D.Narayanan, S.Sinha, V.Narayanan, G.	Spontaneous Bladder Stone Voiding after Prostatic Artery Embolization	Journal of Vascular & Interventional Radiology	28	11	1611-1613	5

921	2017	J. H. S. Jung, T. Y. McCutcheon, K. A. Borofsky, M. Narayan, V. Young, S. Golzarian, J. Kim, M. H. Reddy, B. Dahm, P.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia	Cochrane Database of Systematic Reviews	2017(11) (no pagination)	CD012867		5
922	2017	I. N. K. Ismail, A. Omar, S.	Flush the blush: Role of palliative renal artery embolization in bleeding advanced renal cell carcinoma (RCC)	BJU International	120(Supplement 4)		37	1
923	2017	J. H. P. Hwang, S. W. Chang, I. S. Jung, S. I. Jeon, H. J. Lho, Y. S. Kim, H. G. Paick, S. H. Park, H. K.	Comparison of Nonspherical Polyvinyl Alcohol Particles and Microspheres for Prostatic Arterial Embolization in Patients with Benign Prostatic Hyperplasia	BioMed Research International	2017 (no pagination)	9E+06		12
924	2017	X. Y. Hu, X. Guo, X. Jin, H. He, J. Lin, K. Ye, F. Wang, G. Lu, J. Shu, J.	Prostatic artery embolization via transradial approach for the treatment of prostatic hyperplasia: Study of its feasibility and safety. [Chinese]	Journal of Interventional Radiology (China)	26(5)		399-402	9
925	2017	Y. G. Homma, M. Kawauchi, A. Kojima, Y. Masumori, N. Nagai, A. Saitoh, T. Sakai, H. Takahashi, S. Ukimura, O. Yamanishi, T. Yokoyama, O. Yoshida, M. Maeda, K.	Clinical guidelines for male lower urinary tract symptoms and benign prostatic hyperplasia	International Journal of Urology	24(10)		716-729	5
926	2017	L. Hechelhammer	Current evidence	Cardiovascular and interventional radiology	Vol.40	2	S108p	5
927	2017	N. R. Hacking, A. F.	Efficacy and safety of PAE: Results from the UK-ROPE registry	CardioVascular and Interventional Radiology	40(2 Supplement 1)		S158	8
928	2017	G. S. Gondor, C.	Pulmonary embolism four days after interruption of therapy with rivaroxaban	Hamostaseologie	37(4)		302-306	2
929	2017	C. B. Gomez, S. Carnevale, F. C. Narayanan, G.	Role of Urodynamic Studies in Management of Benign Prostatic Obstruction: A Guide for Interventional Radiologists	Journal of Vascular and Interventional Radiology	28(1)		126-133	5
930	2017	D. B. Gitelmaier, R. J. Prince, E. Epstein, A. Young, B.	A rare case of ischemic colitis due to an inferior mesenteric vascular anomaly leading to steal phenomenon	American Journal of Gastroenterology	112(Supplement 1)		S1067-S1068	2
931	2017	S. T. Feng, Y. Liu, W. Li, Z. Deng, T. Li, H. Wang, K.	Prostatic Arterial Embolization Treating Moderate-to-Severe Lower Urinary Tract Symptoms Related to Benign Prostate Hyperplasia: A Meta-Analysis	CardioVascular and Interventional Radiology	40(1)		22-32	5

932	2017	A. M. M. de Assis, M. S. Moreira, A. M. de Paula Rodrigues, V. C. Antunes, A. A. Srougi, M. Cerri, G. G. Carnevale, F. C.	Prostate Zonal Volumetry as a Predictor of Clinical Outcomes for Prostate Artery Embolization	CardioVascular and Interventional Radiology	40(2)	245-251	5
933	2017	D. M. Christidis, S. Perera, M. Manning, T. Bolton, D. Lawrentschuk, N.	Minimally invasive surgical therapies for benign prostatic hypertrophy: The rise in minimally invasive surgical therapies	Prostate International	5(2)	41-46	2
934	2017	P. K. N. Chiu, C. F. Yee, C. H. Teoh, J. Y. Cho, C. C. M. Hung, E. H. Y. Yu, S. C. H.	Prostatic artery embolization for benign prostatic hyperplasia with or without acute urinary retention	BJU International	119(Supplement 3)	15	12
935	2017	C. B. C. Chen, C. T. Chen, Y. L.	Cone-beam CT findings during prostate artery embolization for benign prostatic hyperplasia-induced lower urinary tract symptoms: A case report	BMC Urology	17(1) (no pagination)	120	4
936	2017	F. C. S. Carnevale, G. R. de Assis, A. M. Moreira, A. M. Harward, S. H. Cerri, G. G.	Anatomical Variants in Prostate Artery Embolization : A Pictorial Essay	CardioVascular and Interventional Radiology	40(9)	1321-1337	5
937	2017	F. C. M. Carnevale, A. M. Harward, S. H. Bhatia, S. de Assis, A. M. Srougi, M. Cerri, G. G. Antunes, A. A.	Recurrence of Lower Urinary Tract Symptoms Following Prostate Artery Embolization for Benign Hyperplasia: Single Center Experience Comparing Two Techniques	CardioVascular and Interventional Radiology	40(3)	366-374	12
938	2017	S. H. Bhatia, S. H. Sinha, V. K. Narayanan, G.	Prostate Artery Embolization via Transradial or Transulnar versus Transfemoral Arterial Access: Technical Results	Journal of Vascular and Interventional Radiology	28(6)	898-905	12
939	2017	S. Bhatia	Meta-Analysis of Prostatic Artery Embolization for Benign Prostatic Hyperplasia-Review of 12-Month Outcomes Data	Journal of Vascular and Interventional Radiology	28(5)	772	5
940	2017	M. A. A.-B. Bergero, C. Martinez, P. Villamil, W. Peralta, O. Garcia-Monaco, R. Gueglio, G. Favre, G.	Selective angio embolization in a patient with bleeding and hemodynamic instability from open prostate adenectomy. [Spanish]	Revista Mexicana de Urologia	77(3)	225-226	9
941	2017	S. S. Bagla, J. Orlando, J. C. Piechowiak, R.	Robotic-Assisted Versus Manual Prostatic Arterial Embolization for Benign Prostatic Hyperplasia: A Comparative Analysis	CardioVascular and Interventional Radiology	40(3)	360-365	12
942	2017	S. S. Bagla, J. Orlando, J. Piechowiak, R.	Cost Analysis of Prostate Artery Embolization (PAE) and Transurethral Resection of the Prostate (TURP) in the Treatment of Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	40(11)	1694-1697	3

943	2017	Anonymous	Medical Devices; Gastroenterology-Urology Devices; Classification of the Prostatic Artery Embolization Device. Final order	Federal Register	82	218	52649-51	5
944	2017	Anonymous	Cirse 2017	CardioVascular and Interventional Radiology. Conference: Cardiovascular and Interventional Radiological Society of Europe, CIRSE	40	2	Supplement 1	8
945	2017	G. P. Amouyal, O.Thiounn, N.Del Giudice, C.Nouri Neuville, M.Dean, C.Sapoval, M. R.	Clinical results after prostatic artery embolization (PAE) for bothersome lower urinary tract symptoms (LUTS) due to BPH: A single-center study of 109 patients	CardioVascular and Interventional Radiology	40(2		S363	4
946	2017	G. P. Amouyal, O.Del Giudice, C.Dean, C.Thiounn, N.Sapoval, M.	Bilateral Arterial Embolization of the Prostate Through a Single Prostatic Artery: A Case Series	CardioVascular and Interventional Radiology	40(5)		780-787	4
947	2017	S. A. Albisinni, F.Roumeguere, T.Porpiglia, F.Tubaro, A.D. E. Nunzio C	New treatment strategies for benign prostatic hyperplasia in the frail elderly population: a systematic review	Minerva Urologica e Nefrologica	69	2	119-132	5
948	2017	S. A. Albisinni, F.Roumeguere, T.Porpiglia, F.Tubaro, A.Denunzio, C.	New treatment strategies for benign prostatic hyperplasia in the frail elderly population: A systematic review	Minerva Urologica e Nefrologica	69(2)		119-132	5
949	2017		Medical Devices; Gastroenterology-Urology Devices; Classification of the Prostatic Artery Embolization Device. Final order	Federal register	82(218)		52649-52651	10
950	2017		Prostate Artery Embolization for patients with lower urinary tract symptoms due to benign prostate hyperplasia					4
951	2017		Medical Therapy versus Prostate Artery Embolisation in treatment of men with symptomatic benign prostate hyperplasia (MEDS vs PAE)					7
952	2016	H. I. Yu, A. J.Burke, C. T.	Review of Current Literature for Prostatic Artery Embolization	Seminars in Interventional Radiology	33(3)		231-235	5

953	2016	Y. T. Yeow, Y. K.Lee, Y. M.Punamiya, S. J.Koh, S. H.Chong, W.	Initial experience with prostatic artery embolisation for benign prostate enlargement in high-risk surgical candidates	International Journal of Urology	1)		12월 13일	8
954	2016	J. H. H. Woo, D.Do, Y. S.Lee, K. S.Kim, C. K.	Transcatheter Arterial Embolization for Life-Long Urinary Incontinence Associated with Bilateral Ureteral Duplication with Ectopia	Cardiovascular & Interventional Radiology	39	10	1530-2	5
955	2016	X. Y. Z. Wang, H. T.Zhang, Y.	Efficacy and safety of prostate artery embolization on lower urinary tract symptoms related to benign prostatic hyperplasia: A systematic review and meta-analysis	Clinical Interventions in Aging	11		1609-1622	5
956	2016	M. Q. W. Wang, Y.Yan, J. Y.Yuan, K.Zhang, G. D.Duan, F.Li, K.	Prostatic artery embolization for the treatment of symptomatic benign prostatic hyperplasia in men >=75 years: a prospective single-center study	World journal of urology	34(9)		1275-1283	4
957	2016	M. G. Wang, L.Duan, F.Yuan, K.Zhang, G.Li, K.Yan, J.Wang, Y.Kang, H.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms caused by benign prostatic hyperplasia: A comparative study of medium- and large-volume prostates	BJU International	117(1)		155-164	4
958	2016	A. H. Uflacker, Z. J.Bilhim, T.Patrie, J.Huber, T.Pisco, J. M.	Meta-Analysis of Prostatic Artery Embolization for Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	27(11)		1686-1697.e8	5
959	2016	J. F. D. Tsui, C. M.	Urolift : a New Face of Minimally Invasive Surgical Technique for Benign Prostatic Hyperplasia?	Current Urology Reports	17(9) (no pagination)	63		5
960	2016	R. Z. Tao, G.Wang, M.Duan, F.Yuan, K.Li, K.Yan, J.Chang, Z.Wang, Y.	Application of cone-beam CT in prostatic arterial embolization . [Chinese]	Chinese Journal of Radiology (China)	50(3)		209-212	9
961	2016	F. C. Sun, V.Baez-Diaz, C.Sanchez, F. M.	Prostatic Artery Embolization (PAE) for Symptomatic Benign Prostatic Hyperplasia (BPH): Part 2, Insights into the Technical Rationale	CardioVascular and Interventional Radiology	39(2)		161-169	5
962	2016	F. C. Sun, V.Baez-Diaz, C.Sanchez, F. M.	Prostatic Artery Embolization (PAE) for Symptomatic Benign Prostatic Hyperplasia (BPH): Part 1, Pathological Background and Clinical Implications	CardioVascular and Interventional Radiology	39(1)		01월 07일	5
963	2016	A. Stenzl	For which patient PAE is most feasible (the urologist's view)	Cardiovascular and interventional radiology	Vol.39	3	S127p	5

964	2016	M. A. E. T. Shaker, K. A.Abd El Tawab, K. H.El-Gharib, M.	Role of prostatic artery embolization in management of symptomatic benign prostatic hyperplasia	Egyptian Journal of Radiology and Nuclear Medicine	47(3)		839-845	4
965	2016	E. O. Serrano, J.Kohan, A.Kisilevsky, N.Napoli, N.Garcia-Monaco, R.	[Magnetic resonance imaging of the prostate: usefulness of diffusion sequences in detecting post embolization ischemia in patients with benign prostatic hyperplasia]	Radiologia	58	2	129-35	4
966	2016	E. O. Serrano, J.Kohan, A.Kisilevsky, N.Napoli, N.Garcia-Monaco, R.	Magnetic resonance imaging of the prostate: Usefulness of diffusion sequences in detecting post embolization ischemia in patients with benign prostatic hyperplasia. [Spanish]	Radiologia	58(2)		129-135	9
967	2016	S. B. Secco, F.Di Trapani, D.Migliorisi, C.Galfano, A.Carnevale, F. C.Rampoldi, A. G.Bocciardi, A. M.	Prostatic artery embolization as an alternative treatment to remove catheter in patients with indwelling bladder catheter due to benign prostatic hyperplasia	European Urology, Supplements	15(3)		e1081	4
968	2016	W. W. Roberts	New technologies in benign prostatic hyperplasia management	Current Opinion in Urology	26	3	254-8	5
969	2016	A. G. B. Rampoldi, F.Secco, S.Migliorisi, C.Vercelli, R.Solcia, M.Galfano, A.Bocciardi, A.Spinelli, M.	Prostatic artery embolization (PAE) in patients with spinal injury to reduce the prostatic volume and facilitate intermittent catheterization: A new indication?	CardioVascular and Interventional Radiology	39(3	Supplement 1)	S152-S153	2
970	2016	D. Y. Rajaratnam, V.Shi, V.Smith, J.	Comparative cost analysis of prostate artery embolization to modern surgical techniques in the treatment of symptomatic large volume benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	1)		S55-S56	8
971	2016	J. M. B. Pisco, T.Pinheiro, L. C.Fernandes, L.Pereira, J.Costa, N. V.Duarte, M.Oliveira, A. G.	Medium- and Long-Term Outcome of Prostate Artery Embolization for Patients with Benign Prostatic Hyperplasia: Results in 630 Patients	Journal of Vascular and Interventional Radiology	27(8)		1115-1122	4
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973	2016	J. B. Pisco, T.Pinheiro, L. C.Fernandes, L.Pereira, J.Costa, N. V.Duarte, M.Oliveira, A. G.	Prostate Embolization as an Alternative to Open Surgery in Patients with Large Prostate and Moderate to Severe Lower Urinary Tract Symptoms	Journal of Vascular and Interventional Radiology	27(5)		700-708	4
974	2016	K. H. Pereira, J. A.McClure, T. D.Lewis, N. A.Kably, I.Bhatia, S.Hu, J. C.	Role of prostate artery embolization in the management of refractory haematuria of prostatic origin	BJU International.				5

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976	2016	A. F. Noor, A. M.	Prostate Artery Embolization as a New Treatment for Benign Prostate Hyperplasia: Contemporary Status in 2016	Current Urology Reports	17(7) (no pagination)	51		5
977	2016	T. M. Nimeh, B.Almallah, Y. Z.	Benign Prostatic Hyperplasia: Review of Modern Minimally Invasive Surgical Treatments	Seminars in Interventional Radiology	33(3)		244-250	5
978	2016	C. S. Niklas, M.Schneider, G.Siemer, S.Buecker, A.Stockle, M.Massmann, A.	First experiences of prostatic artery embolization for large benign prostatic hyperplasia ahead of a prospective randomized controlled trial	European Urology, Supplements	15(3)		e1082	8
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980	2016	S. B. Modi, T. J.Ray, A. F.Hacking, N.	UK-ROPE: Preliminary findings	CardioVascular and Interventional Radiology	39(3 Supplement 1)		S152	8
981	2016	A. M. Mirakhur, J. P.	Prostate Artery Embolization for Benign Prostatic Hyperplasia: current Status	Canadian association of radiologists journal		paginat ion		5
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983	2016	S. F. Mafeld, S.Colgan, F.Padgett, R.Robson, K.Page, T.Littler, P.Haslam, P. J.	Prostate artery embolisation (PAE): Radiation doses to patient and operator	CardioVascular and Interventional Radiology	39(3 Supplement 1)		S313	12
984	2016	D. F. W. M. Maclean, B.Cannavale, A.Harris, M. R.Dyer, J.Modi, S.Hacking, N.Bryant, T. J.	Is CT angiogram an essential investigation prior to prostate artery embolisation ?	CardioVascular and Interventional Radiology	39(3 Supplement 1)		S247	4
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987	2016	J. Y. Lsaacson, H.Raynor, M.Burke, C.	Prostatic artery embolization for prostates greater than 80 cm ³ : Early results from a US trial	Journal of Vascular and Interventional Radiology	1)	S53	8	
988	2016	Y. T. A. Lin, G.Thiounn, N.Pellerin, O.Pereira, H.Del Giudice, C.Dean, C.Sapoval, M.	Intra-vesical Prostatic Artery Embolization Protrusion (IPP) Can Be Reduced by Prostatic	CardioVascular and Interventional Radiology	39(5)	690-695	4	
989	2016	Y. T. A. Lin, G.Correas, J. M.Pereira, H.Pellerin, O.Del Giudice, C.Dean, C.Thiounn, N.Sapoval, M.	Can prostatic arterial embolisation (PAE) reduce the volume of the peripheral zone? MRI evaluation of zonal anatomy and infarction after PAE	European Radiology	26(10)	3466-3473	4	
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991	2016	M. V. Kuang, A.Athreya, S.	A meta-analysis of prostatic artery embolization in the treatment of symptomatic benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	1)	S53	5	
992	2016	H. Kobeiter	CBCT-guided embolisation	CardioVascular and Interventional Radiology	39(3 Supplement 1)	S49-S50	5	
993	2016	C. Z. Kleanthis, M.Giarenis, I.	Management of Urinary Symptoms Associated with Fibroids	Current Obstetrics and Gynecology Reports	5(2)	89-93	5	
994	2016	N. L. N. Kisilevzky, C.Cividanes, A.	Ischemia of the Glans Penis following Prostatic Artery Embolization	Journal of Vascular and Interventional Radiology	27(11)	1745-1747	4	
995	2016	N. F. Kisilevzky, S.	MRI assessment of prostatic ischaemia: best predictor of clinical success after prostatic artery embolisation for benign prostatic hyperplasia	Clinical Radiology	71(9)	876-882	4	
996	2016	S. A. Kaplan	Re: The Role of Prostatic Arterial Embolization in Patients with Benign Prostatic Hyperplasia: A Systematic Review	Journal of Urology	195	1	138	5

997	2016	S. A. Kaplan	Re: The Role of Prostatic Arterial Embolization in Patients with Benign Prostatic Hyperplasia: A Systematic Review Editorial Comment	Journal of Urology	195(1)		138	5
998	2016	I. P. Kably, K.Chong, W.Bhatia, S.	Prostate Artery Embolization (PAE) in the management of refractory hematuria of prostatic origin secondary to iatrogenic urological trauma: A safe and effective technique	Urology		88	218-221	4
999	2016	I. M. Kably	Prostate artery embolization with CO2 for giant prostatic hyperplasia	CardioVascular and Interventional Radiology	39(3 Supplement 1)		S333	4
1000	2016	I. D. Kably, R.	Prostatic Artery Embolization and the Accessory Pudendal Artery	Journal of Vascular & Interventional Radiology		27	8 1266-8	5
1001	2016	P. R. Jones, B. P.Aboumarzouk, O. M.Somani, B. K.	Prostatic Urethral Lift Vs Prostate Arterial Embolization : Novel Nonablative Strategies in the Management of Lower Urinary Tract Symptoms Secondary to Benign Prostate Hyperplasia	Urology		87	11월 17일	5
1002	2016	A. J. R. Isaacson, M. C.Yu, H.Burke, C. T.	Prostatic Artery Embolization Using Embosphere Microspheres for Prostates Measuring 80-150 cm(3): Early Results from a US Trial	Journal of Vascular & Interventional Radiology		27	5 709-14	4
1003	2016	A. J. R. Isaacson, M. C.Yu, H.Burke, C. T.	Prostatic Artery Embolization Using Embosphere Microspheres for Prostates Measuring 80-150 cm ^{>3</sup>: Early Results from a US Trial}	Journal of Vascular and Interventional Radiology		27(5)	709-714	10
1004	2016	A. J. F. Isaacson, A. M.Burke, C. T.	Technical Feasibility of Prostatic Artery Embolization From a Transradial Approach	AJR. American Journal of Roentgenology		206	2 442-4	4
1005	2016	S. T. Ilyas, N.Parthipun, A.Sabharwal, T.	Prostate artery embolization (PAE): The tricks to success	Journal of Vascular and Interventional Radiology		1)	S210	8
1006	2016	W. A. Ibrahim, H.	Prostatic artery embolization as a treatment for benign prostatic hyperplasia	Bahrain Medical Bulletin		38(3)	164-167	5
1007	2016	J. I. Hughes, A.Burke, C.	Prostatic artery embolization peri-procedural pharmacologic agents: What the interventional radiologist should know	Journal of Vascular and Interventional Radiology		1)	S207	8
1008	2016	V. V. Hamsa, A.Pais, P.Kamath, N.Iyengar, A.Jose, B. T.Rozario, A.Am, S.	Long term outcomes in children transplanted with abnormal lower urinary tract: A single centre experience	Indian Journal of Nephrology		26(8 Supplement 1)	S35	8

1009	2016	M. B. Grosso, S.Baralis, I.Pedrazzini, F.Sortino, D.Balderi, A.	Evidence		Cardiovascular and interventional radiology	Vol.39	3	S50-S51p	5
1010	2016	M. A. Grosso, A.Balderi, A.Pedrazzini, F.Sortino, D.Bongiovanni, S.	Prostatic artery embolization in benign prostatic hyperplasia: Monocentric experience in 30 patients		Journal of Vascular and Interventional Radiology		1)	S283	4
1011	2016	O. M. C. Goncalves, F. C.Moreira, A. M.Antunes, A. A.Rodrigues, V. C.Srougi, M.	Comparative Study Using 100-300 Versus 300-500 mum Microspheres for Symptomatic Patients Due to Enlarged-BPH Prostates		CardioVascular and Interventional Radiology		39(10)	1372-1378	4
1012	2016	W. J. A. Garzon, G.Dubourcq, F.Abud, D. G.Bredow, M.Khoury, H. J.Kramer, R.	Prostatic artery embolization : radiation exposure to patients and staff		Journal of radiological protection : official journal of the Society for Radiological Protection		36(2)	246-254	4
1013	2016	A. H. G. Gabr, M. F.Elmoahady, B. N.Ahmed, A. F.	Prostatic Artery Embolization : A Promising Technique in the Treatment of High-Risk Patients with Benign Prostatic Hyperplasia		Urologia Internationalis		97(3)	320-324	4
1014	2016	T. T. Franiel, S.Grimm, M. O.Teichgraber, U.Aschenbach, R.	Initial signs on prostate MRI after prostatic artery embolization in patients with symptomatic BPH		CardioVascular and Interventional Radiology		39(3 Supplement 1)	S247	8
1015	2016	J. W. DeMeritt, A.Chervoni- Knapp, T.Albert, A.Christiano, T.Amed, M.	Prostate artery embolization : Control of refractory prostate origin hematuria secondary to BPH and prostate cancer in complex vascular patients without interruption of medically necessary anticoagulation		Journal of Vascular and Interventional Radiology		1)	S55	8
1016	2016	N. V. P. Costa, J.Fernandes, L.Bilhim, T.Pisco, J. M.	Prostatic tissue expulsion after prostatic artery embolization		Journal of Vascular and Interventional Radiology		27(4)	601-603	4
1017	2016	Z. I. Cizman, A.Burke, C.	Short- to Midterm Safety and Efficacy of Prostatic Artery Embolization : A Systematic Review		Journal of Vascular and Interventional Radiology		27(10)	1487-1493.e1	5
1018	2016	J. J. C. Chen, F.Young, V.McKean, D.Quaghebeur, G.	MRI differential diagnosis of suspected multiple sclerosis		Clinical Radiology		71(9)	815-827	2
1019	2016	F. C. Carnevale	Anatomical variants		CardioVascular and Interventional Radiology		39(3 Supplement 1)	S48-S49	2

1020	2016	A. M. Cannavale, B.Bryant, T. J.Santoni, M.Hacking, N.	Prostatic artery embolisation for benign prostatic hyperplasia: Anatomical factors affecting the procedure performance	CardioVascular and Interventional Radiology	39(3 Supplement 1)		S151	8	
1021	2016	N. W. Brown, D.Pokorny, M.Parkinson, R.Kua, B.Dunlison, N.Yaxley, J.Gianduzzo, T.	P-easy trial: Prostate artery embolisation assessment of safety and feasibility	Journal of Medical Imaging and Radiation Oncology	60(Supplement 1)		53	4	
1022	2016	T. P. Bilhim, J.Pereira, J. A.Costa, N. V.Fernandes, L.Campos Pinheiro, L.Duarte, M.Oliveira, A. G.	Predictors of Clinical Outcome after Prostate Artery Embolization with Spherical and Nonspherical Polyvinyl Alcohol Particles in Patients with Benign Prostatic Hyperplasia	Radiology		281	1	289-300	12
1023	2016	T. P. Bilhim, J.Pereira, J. A.Costa, N. V.Fernandes, L.Pinheiro, L. C.Duarte, M.Oliveira, A. G.	Predictors of clinical outcome after prostate artery embolization with spherical and nonspherical polyvinyl alcohol particles in patients with benign prostatic hyperplasia	Radiology		281(1)		289-300	10
1024	2016	S. S. D. Bhatia, R.Gomez, C.Narayanan, G.	Prostatic Artery Embolization After Failed Urological Interventions for Benign Prostatic Obstruction: A Case Series of Three Patients	CardioVascular and Interventional Radiology		39(8)		1203-1208	4
1025	2016	B. S. Baigorri, C.East, J.Burke, C.Isaacson, A.	Symptomatic improvement after prostatic artery embolization in patients with median lobe protrusion	Journal of Vascular and Interventional Radiology		1)		S54-S55	8
1026	2016	Y. Z. Bai, W.Luo, G.Yi, G.Shi, Y.	Prostatic artery embolization in treatment of benign prostatic hyperplasia. [Chinese]	Chinese Journal of Interventional Imaging and Therapy		13(4)		204-207	9
1027	2016	S. V. Bagla, V.Orlando, J.Smirniotopoulos, J.	Cost analysis of prostate artery embolization (PAE) and transurethral resection of the prostate (TURP) in the treatment of benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology		1)		S56	3
1028	2016	S. S. Bagla, J. B.Vadlamudi, V.	Crossing a Prostatic Artery Chronic Total Occlusion to Perform Prostatic Arterial Embolization	Journal of Vascular & Interventional Radiology		27	2	295-7	5
1029	2016	S. I. Bagla, A. J.	Tips and Tricks for Difficult Prostatic Artery Embolization	Seminars in Interventional Radiology		33(3)		236-239	5
1030	2016	S. I. Bagla, A.Vadlamudi, V.Orlando, J.Smirniotopoulos, J.	Prostatic artery embolization and its efficacy in the reduction of nocturia	Journal of Vascular and Interventional Radiology		1)		S54	8

1031	2016	A. D. D. Asimakopoulos, L.Preziosi, P.Spera, E.Micali, F.De Carolis, A.Iorio, B.	Holmium Laser Enucleation of the Prostate and Iatrogenic Arteriovenous Fistula Treated by Superselective Arterial Embolization	Case Reports Urology	2016	4918081	2
1032	2016	Anonymous	CME Test Questions: August 2016	Journal of Vascular and Interventional Radiology	27(8)	1122	5
1033	2016	G. T. Amouyal, N.Pellerin, O.Yen-Ting, L.Del Giudice, C.Dean, C.Pereira, H.Chatellier, G.Sapoval, M.	Clinical Results After Prostatic Artery Embolization Using the PERfecTED Technique: A Single-Center Study	CardioVascular and Interventional Radiology	39(3)	367-375	12
1034	2016	G. P. Amouyal, O.Thiounn, N.Del Giudice, C.Dean, C.Sapoval, M. R.	Clinical results after prostatic artery embolization (PAE): A single-center study of 68 patients	CardioVascular and Interventional Radiology	39(3 Supplement 1)	S151	4
1035	2016	G. C. Amouyal, P.Pellerin, O.Pereira, H.Del Giudice, C.Dean, C.Thiounn, N.Sapoval, M.	Safety and Efficacy of Occlusion of Large Extra- Prostatic Anastomoses During Prostatic Artery Embolization for Symptomatic BPH	CardioVascular and Interventional Radiology	39(9)	1245-1255	4
1036	2016	D. M. Altman, T. S.Bek, K. M.Rahkola-Soisalo, P.Gunnarsson, J.Engl, M. E.Falconer, C.For the Nordic, T. V. M. group	Pelvic organ prolapse repair using the Uphold™ Vaginal Support System: a 1-year multicenter study	International Urogynecology Journal	27(9)	1337-1345	2
1037	2016	D. H. Abt, L.Mullhaupt, G.Kessler, T.Schmid, H. P.Engeler, D. S.Mordasini, L.	Prostatic artery embolization vs conventional TUR-P in the treatment of benign prostatic hyperplasia: First results of a prospective, randomized non-inferiority trial	European Urology, Supplements	15(3)	e1080	0
1038	2016	D. Abt	Patient selection	Cardiovascular and interventional radiology	Vol.39	3 S47-S48p	5
1039	2016	H. B. Abboudi, F. C. L.	The practical assessment and management of bladder outflow obstruction	Surgery (United Kingdom)	34(7)	342-346	2
1040	2016		Prostatic Artery Embolization Versus Medical Treatment in Symptomatic Benign Prostatic Hyperplasia				12
1041	2015	G. W. Zhang, M.Duan, F.Yuan, K.Li, K.Yan, J.Chang, Z.Wang, Y.	Radiological findings of prostatic arterial anatomy for prostatic arterial embolization : Preliminary study in 55 Chinese patients with benign prostatic hyperplasia	PLoS ONE	10(7) (no pagination)	132678	2

1042	2015	W. Z. Yan, C.AI, G.Shu, Y.	Prostatic arterial embolization for benign prostatic hyperplasia in high-risk aged males. [Chinese]	Zhonghua nan ke xue = National journal of andrology	21(10)		900-903	9
1043	2015	W. H. Z. Yan, C.AI, G. P.Shu, Y.	[Prostatic arterial embolization for benign prostatic hyperplasia in high-risk aged males]	Zhong Hua Nan Ke Xue	21	10	900-3	4
1044	2015	Y. G. Wang, Y. A.	Response	Radiology	276	1	311-2	5
1045	2015	M. Z. Wang, G.Yuan, K.Duan, F.Yan, J.Wang, Y.	Seminal Vesicle Ischemia: An Unusual Complication Occurring after Prostatic Artery Embolization for the Treatment of Benign Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	26(10)		1580-1582	4
1046	2015	M. Q. G. Wang, L. P.Zhang, G. D.Yuan, K.Li, K.Duan, F.Yan, J. Y.Wang, Y.Kang, H. Y.Wang, Z. J.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms due to large (>80 mL) benign prostatic hyperplasia: Results of midterm follow-up from Chinese population	BMC Urology	15(1) (no pagination)	33		4
1047	2015	M. G. Wang, L.Duan, F.Yuan, K.Zhang, G.Li, K.Yan, J.Wang, Y.Kang, H.Wang, Z.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms as a result of large benign prostatic hyperplasia: A prospective single-center investigation	International Journal of Urology	22(8)		766-772	4
1048	2015	A. B. H. Uflacker, Z. J.	Internal Iliac Artery Embolization for Benign Prostatic Hyperplasia? First Read the Fine Print	Journal of Vascular and Interventional Radiology	26(9)		1311-1312	5
1049	2015	H. M. Strunk, M.Schild, H. H.Rauch, M.	Treatment of benign prostatic hyperplasia by occlusion of the impaired urogenital venous system - first experience	Rofo: Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin	187	3	180-6	4
1050	2015	J. B. O. Smirniotopoulos, J. C.Bagla, S.	Comparative study of prostate artery embolization (PAE) in small volume (<50cc), midsize (50-80cc), and large volume (>80cc) benign prostatic hyperplasia: Feasibility, safety, and clinical efficacy	Journal of Vascular and Interventional Radiology	1)		S136	8
1051	2015	J. C. Shen, T.	Changes of blood supply to benign prostatic hyperplasia and its clinical significance. [Chinese]	Journal of Shanghai Jiaotong University (Medical Science)	35(3)		414-417	9
1052	2015	M. R. T. Sapoval, N.Amouyal, G.Pellerin, O.	Indication for treatment-patient triage	CardioVascular and Interventional Radiology	1)		S110-S111	5

1053	2015	S. L. Samad, W. L.Brousil, P. B.Shaw, A. S.Nehikhare, O. N.Pandian, S. P.Clovis, S. C.Sabharwal, T. S.Popert, R. P.	Prostate artery embolisation -Initial experience of treatment of benign prostatic enlargement for large volume prostates (mean volume 135cc) at a single institution	BJU International	115(Supplement 7)	67	8	
1054	2015	G. I. K. Russo, D.Sansalone, S.Lepetukhin, A.Dubsky, S.Sitkin, I.Rozhivanov, R.Salamone, C.Fiorino, L.Cimino, S.Morgia, G.	Prostatic arterial embolization vs open prostatectomy: A matched-pair analysis of functional outcomes and morbidities after 1-year of follow-up	European Urology, Supplements	14(2)	e570	8	
1055	2015	J. A. Rathenborg, M.Zemani, R.Elle, B.Lund, L.	[Embolisation of arteria prostatica in a patient with hypertrofia prostatae]	Ugeskrift for Laeger	177	33	V1214071 6	5
1056	2015	J. M. P. Pisco, L. C.Bilhim, T.Pereira, J. A.Fernandes, L.Costa, N. V.Duarte, M.Oliveira, A.	Embolization for patients with benign prostatic hyperplasia, very large prostate and moderate-to-severe lower urinary tract symptoms (LUTS) as an alternative to open surgery	CardioVascular and Interventional Radiology	1)	S183- S184	4	
1057	2015	J. M. P. Pisco, J. A.Bilhim, T.Pinheiro, L.Fernandes, L.Costa, N.Duarte, M.Oliveira, A.	Prostatic arteries embolization for benign prostatic hyperplasia, with nonspherical PVA particles 150 lm-250lm and 250 lm-355lm in 90 patients-preliminary results	Journal of Vascular and Interventional Radiology	1)	S137	4	
1058	2015	J. M. B. Pisco, T.Pinheiro, L.Costa, N. V.Duarte, M.Oliveira, A.	Long-term results of prostatic artery embolization for patients with benign prostatic hyperplasia: 240 cases	CardioVascular and Interventional Radiology	1)	S183	4	
1059	2015	J. M. B. Pisco, T.Pinheiro, L.Pereira, J. A.Fernandes, L.Costa, N.Duarte, M.Oliveira, A.	Medium and long term outcome of prostatic arteries embolization , for patients with benign prostatic hyperplasia: Results in 460 cases	Journal of Vascular and Interventional Radiology	1)	S7	4	
1060	2015	J. M. B. Pisco, T.Pinheiro, L.Fernandes, L.Pereira, J. A.Costa, N.Duarte, M.Oliveira, A.	The preliminary outcome of prostatic arteries embolization with bead block for patients with benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	1)	S136- S137	8	
1061	2015	J. M. B. Pisco, T.Pereira, J. A.Fernandes, L.Costa, N. V.Duarte, M.Pinheiro, L. C.Oliveira, A.	The short-and medium-term results of prostatic artery embolization with bead block for patients with benign prostatic hyperplasia	CardioVascular and Interventional Radiology	1)	S183	8	

1062	2015	A. I. Parthipun, S.Popert, R.Shiv, P.Pandian, S.Lam, W.Samad, S.Sabharwal, T.	Prostate artery embolisation : Initial experience and outcome for treatment of benign prostate hyperplasia at a single institution	CardioVascular and Interventional Radiology	1)		S182	8
1063	2015	K. Osuga	Microparticles	CardioVascular and Interventional Radiology	1)		S73-S74	6
1064	2015	A. I. N. Nejmark, B. A.Tachalov, M. A.Arzamascev, D. D.Torbik, D. V.	[Superselective Prostatic Artery Embolization as a Preparatory Step before Turp in the Treatment of Benign Prostatic Hyperplasia in Patients with Large Prostates]	Urologiia (Moscow, Russia)		2	60-2, 64	5
1065	2015	A. I. N. Nejmark, B. A.Tachalov, M. A.Arzamascev, D. D.Torbik, D. V.	SUPERSELECTIVE PROSTATIC ARTERY EMBOLIZATION AS A PREPARATORY STEP BEFORE TURP IN THE TREATMENT OF BENIGN PROSTATIC HYPERPLASIA IN PATIENTS WITH LARGE PROSTATES. [Russian]	Urologiia (Moscow, Russia : 1999)		2	60-2, 64	9
1066	2015	S. M. P. Nair, M. A.Gilling, P. J.	Evolving and investigational therapies for benign prostatic hyperplasia	The Canadian journal of urology	22(Supplement 1)		82-87	5
1067	2015	C. B. Migliorisi, F.Secco, S.Di Trapani, D.Nichelatti, M.Galfano, A.Bocciardi, A.Rampoldi, A. G.	Is prostatic artery embolization (PAE) an effective treatment to remove indwelling bladder catheters (IBC) in patients with benign prostatic hyperplasia (BPH) unsuitable for surgery?	CardioVascular and Interventional Radiology	1)		S225-S226	4
1068	2015	S. A. G. Maryashev, A. V.Konovalev, A. N.Gorlachev, G. E.Yakovlev, S. B.Dalechina, A. V.Antipina, N. A.Kuznetsova, A. S.Fil'chenkova, N. V.Eliava, S. S.Bukharin, E. Y.Vinogradov, E. V.Trunin, Y. Y.	[The outcomes of stereotactic radiotherapy in patients with cerebral arteriovenous malformations]	Zhurnal Voprosy Neirokhirurgii Imeni N - N - Burdenko	79	1	14-32	1
1069	2015	Y. T. A. Lin, G.Thiunn, N.Pellerin, O.Del Giudice, C.Dean, C.Sapoval, M. R.	Impact of PAE on the median lobes of the prostate	CardioVascular and Interventional Radiology	1)		S231	2
1070	2015	Q. D. Li, F.Wang, M. Q.Zhang, G. D.Yuan, K.	Prostatic arterial embolization with small sized particles for the treatment of lower urinary tract symptoms due to large benign prostatic hyperplasia: Preliminary results	Chinese Medical Journal	128(15)		2072-2077	4
1071	2015	S. R. Lehmann, M.Shrestha, P.Golzarian, J.Schooley, M.	Prostatic Artery Embolization : An Emerging Technique in Interventional Radiology	Journal of Radiology Nursing	34(4)		209-221	5

1072	2015	W. S. Lam, S.Sabharwal, T.Challacombe, B.Popert, R.	Successful 'salvage' holmium laser enucleation of prostate in a patient with failed prostate arterial embolization clinical response	European Urology, Supplements	14(2)		eV49	4
1073	2015	A. d. A. Laborda, A. M.loakeim, I.Sanchez-Ballestin, M.Carnevale, F. C.de Gregorio, M. A.	Radiodermatitis After Prostatic Artery Embolization : Case Report and Review of the Literature	CardioVascular and Interventional Radiology.	24			5
1074	2015	B. V. Kreidieh, M.	Malignant left atrial appendage morphology and embolization risk in atrial fibrillation	HeartRhythm Case Reports	1(6)		406-410	4
1075	2015	N. F. Kisilevzky, S.	Is Prostatic Artery Embolization Similar to Uterine Artery Embolization?	CardioVascular and Interventional Radiology	38(1)		247-250	5
1076	2015	S. A. Kaplan	Re: Treatment of Benign Prostatic Hyperplasia by Occlusion of the Impaired Urogenital Venous System--First Experience	Journal of Urology	194	6	1702-3	5
1077	2015	S. A. Kaplan	Re: Early results from a United States trial of prostatic artery embolization in the treatment of benign prostatic hyperplasia	Journal of Urology	193(4)		1316-1317	5
1078	2015	I. M. B. Kably, S. S.Narayanan, G.	Bilateral prostatic artery embolization for intractable hematuria of prostatic origin	CardioVascular and Interventional Radiology	1)		S310	1
1079	2015	P. R. Jones, B. P.Nair, R.Somani, B. K.	Current Status of Prostate Artery Embolization for Lower Urinary Tract Symptoms: Review of World Literature	Urology	86(4)		676-681	5
1080	2015	A. T. Isaacson, S.Fischer, M.Burke, C. T.	Survey of US men inquiring about prostatic artery embolization : Characterization of a potential patient cohort	Journal of Vascular and Interventional Radiology	1)		S135-S136	8
1081	2015	A. J. B. Isaacson, N.Burke, C. T.	Coil embolization to redirect embolic flow during prostatic artery embolization	Journal of Vascular and Interventional Radiology	26(5)		768-770	5
1082	2015	A. C. Isaacson, Z.Burke, C. T.	Short-to mid-term safety and efficacy of prostatic artery embolization : A systematic review	Journal of Vascular and Interventional Radiology	1)		S136	5
1083	2015	S. A. Ilyas, I.Shaw, A.Challacombe, B.Popert, R.Sabharwal, T.	Prostate artery embolisation (PAE): The tricks to success	CardioVascular and Interventional Radiology	1)		S234	8
1084	2015	J. H. I. Howe, A.Burke, C. T.	Cone-beam CT during prostatic artery embolization : A necessary adjunct to DSA to prevent complication	Journal of Vascular and Interventional Radiology	1)		S157	8

1085	2015	N. Hacking	Current evidence on prostate artery embolisation	Cardiovascular and interventional radiology	Vol.38	3	S111-S112p	5
1086	2015	M. B. Grosso, A.Arno, M.Sortino, D.Antoniotti, A.Pedrazzini, F.Giovinazzo, G.Vinay, C.Maugeri, O.Ambrosi, C.Arena, G.	Prostatic artery embolization in benign prostatic hyperplasia: preliminary results in 13 patients	La Radiologia medica	120(4)		361-368	4
1087	2015	S. Y. Gadani, R.Mauer, K.Moreno, I.O'Kelley, R.Vaheesan, K.Johnson, R.	Evaluation of the prostatic artery anatomy and its variants with cone beam CT scan	Journal of Vascular and Interventional Radiology		1)	S184	8
1088	2015	Y. Funahashi	Editorial Comment to Prostatic arterial embolization for the treatment of lower urinary tract symptoms as a result of large benign prostatic hyperplasia: A prospective single-center investigation	International Journal of Urology	22(8)		772-772	5
1089	2015	J. P. J. Dyer, K. A.Bryant, T.Coyne, J.Flowers, D.Somani, B. K.Harris, M.Hacking, N.	Short-term results of the first UK prospective study of prostate artery embolisation (PAE) for benign prostatic enlargement in patients with urodynamically proven bladder outflow obstruction	European Urology, Supplements	14(2)		e569	8
1090	2015	A. R. A.-A. Deipolyi, S.Khademhosseini, A.Oklu, R.	Occlusion of the Internal Iliac Artery Is Associated with Smaller Prostate and Decreased Urinary Tract Symptoms	Journal of Vascular & Interventional Radiology	26	9	1305-10	4
1091	2015	A. M. M. De Assis, A. M.De Paula Rodrigues, V. C.Yoshinaga, E. M.Antunes, A. A.Harward, S. H.Srougi, M.Carnevale, F. C.	Prostatic artery embolization for treatment of benign prostatic hyperplasia in patients with prostates > 90 g: A prospective single-center study	Journal of Vascular and Interventional Radiology	26(1)		87-93	4
1092	2015	A. M. M. de Assis, A. M.de Paula Rodrigues, V. C.Harward, S. H.Antunes, A. A.Srougi, M.Carnevale, F. C.	Pelvic Arterial Anatomy Relevant to Prostatic Artery Embolisation and Proposal for Angiographic Classification	CardioVascular and Interventional Radiology	38(4)		855-861	2
1093	2015	C. J. B. Das, V.Sharma, S.	Image-guided urological interventions: What the urologists must know	Indian Journal of Urology	31(3)		202-208	5

1094	2015	N. V. P. Costa, J. M. Bilhim, T. Pinheiro, L. Fernandes, L. Pereira, J. A. Duarte, M. Oliveira, A.	The safety and efficacy of prostatic arteries embolization with polyzene-coated microspheres (Embozene) for benign prostatic hyperplasia-preliminary results	Journal of Vascular and Interventional Radiology	1)		S155	4
1095	2015	A. C. N. Chirita, P. R.	Prostatic artery embolization for lower urinary tract symptoms due to benign prostatic hyperplasia: Early clinical experience	CardioVascular and Interventional Radiology	1)		S232	4
1096	2015	M. R. Chiaradia, A. Campeggi, A. Bouanane, M. De La Taille, A. Kobeiter, H.	Automatic three-dimensional detection of prostatic arteries using cone-beam CT during prostatic arterial embolization	Journal of Vascular and Interventional Radiology	26(3)		413-417	4
1097	2015	F. C. Carnevale	Prostate artery embolisation : Technique	CardioVascular and Interventional Radiology	1)		S112	5
1098	2015	J. R. Campbell, D. K. Kachura, J. R. Jaskolka, J. Beecroft, J. R. Sniderman, K. W. Simons, M. E. Tan, K. T.	Efficacy of Ovarian Artery Embolization for Uterine Fibroids: Clinical and Magnetic Resonance Imaging Evaluations	Canadian Association of Radiologists Journal	66	2	164-70	2
1099	2015	T. B. Bilhim, S. Sapoval, M. Carnevale, F. C. Salem, R. Golzarian, J.	Prostatic arterial embolization versus transurethral resection of the prostate for benign prostatic hyperplasia	Radiology	276(1)		310-311	5
1100	2015	S. K. Bhatia, B. Pereira, K. Kably, I. Harward, S. Narayanan, G.	Prostate Artery Embolization for Giant Prostatic Hyperplasia	Journal of Vascular and Interventional Radiology	26(10)		1583-1585	5
1101	2015	S. S. Bagla, J. B. Orlando, J. C. van Breda, A. Vadlamudi, V.	Comparative Analysis of Prostate Volume as a Predictor of Outcome in Prostate Artery Embolization	Journal of Vascular & Interventional Radiology	26	12	1832-8	12
1102	2015	J. M. B. AVECILLAS-CHASIN, J. R. Lopez-Ibor, L. Gomez, G. Rodriguez-Boto, G.	Multiple spinal arteriovenous fistulas: A case-based review	Clinical Neurology & Neurosurgery	139		06월 11일	5
1103	2015	F. M. Aoun, Q. Roumeguere, T.	Minimally invasive devices for treating lower urinary tract symptoms in benign prostate hyperplasia: Technology update	Research and Reports in Urology	7		125-136	5
1104	2015	A. B. Antonietti, A. Pedrazzini, F. Sortino, D. Bongiovanni, S. Vinay, C. Giovinazzo, G. Grosso, M.	Prostatic artery embolization in benign prostatic hyperplasia: Preliminary results in 28 patients	CardioVascular and Interventional Radiology	1)		S183	8

1105	2015	F. G. Abu Saadeh, D.Alsharbaty, M. J.Gleeson, N.	Paravaginal aggressive angiomyxoma	BMJ Case Reports	1		1	1
1106	2015		Prospektive randomised interventional single-center study to evaluate pre-operative transarterial embolisation of the prostate before prostatectomy					5
1107	2015		Prospective Controlled Randomized Study of PAE vs TURP for BPH Treatment					7
1108	2014	G. W. Zhang, M.Duan, F.Yuan, K.Li, K.Yan, J.Chang, Z.Wang, Y.	Angiographic anatomic findings of prostatic arteries in patients with benign prostatic hyperplasia. [Chinese]	Chinese Journal of Radiology (China)	48(8)		678-681	9
1109	2014	G. D. D. Zhang, F.Yuan, K.Wang, M. Q.	Prostatic arterial embolization for benign prostatic hyperplasia: Its prospect and challenge. [Chinese]	Journal of Interventional Radiology (China)	23(8)		735-738	9
1110	2014	K. Zelenak	Gelatin foam and particles: Classification, indication and technique	CardioVascular and Interventional Radiology	1)		S88	8
1111	2014	E. M. N. Yoshinaga, E.Marchini, G. S.Galvao, O.Baroni, R.Carnevale, F. C.Cerri, G. G.Srougi, M.Antunes, A. A.	A prospective and randomized trial comparing transurethral resection of the prostate (TURP) to prostate artery embolization (PAE) for treatment of bladder outlet obstruction due to benign prostatic hyperplasia (BPH)	Journal of urology	Vol.191	4	e793p	8
1112	2014	Y. X. L. Xie, C.Cheng, Y. D.	Percutaneous prostatic arterial embolization for the treatment of benign prostatic hyperplasia. [Chinese]	Journal of Interventional Radiology (China)	23(3)		185-190	9
1113	2014	Y. G. Wang, Y. A.	Response	Radiology	272	3	919-20	5
1114	2014	K. S. Stern, A.Funk, J. T.	Recent Advances and Emerging Technology in the Surgical Management of BPH-Related Voiding Dysfunction	Current Bladder Dysfunction Reports	9(2)		129-133	5
1115	2014	B. K. H. Somani, N.Bryant, T.Coyne, J.Flowers, D.Harris, M.Dyer, J.	Prostate artery embolization (PAE) for benign prostatic hyperplasia (BPH)	BJU International	114(5)		639-640	5
1116	2014	P. G. Shrestha, J.Gowda, N. K.Kowalik, K. J.	3D C-arm cone beam CT angiography as a procedural adjunct during prostatic artery embolization	Journal of Vascular and Interventional Radiology	1)		S178	8
1117	2014	S. M. S. Schreuder, A. E.Reekers, J. A.Bipat, S.	The Role of Prostatic Arterial Embolization in Patients with Benign Prostatic Hyperplasia: A Systematic Review	CardioVascular and Interventional Radiology	37(5)		1198-1219	5
1118	2014	F. D. Richter, M.	Zelen design in randomized controlled clinical trials	Radiology	272	3	919	5

1119	2014	J. M. C. P. Pisco, L.Bilhim, T.Rio Tinto, H.Duarte, M.Pereira, J. A.Oliveira, A. G.Fernandes, L. J. M. B. Pisco, T.Rio Tinto,	Short-,medium-,and long-term outcomes of prostatic arterial embolization for patients with benign prostatic hyperplasia refractory to medical therapy: 600 cases	CardioVascular and Interventional Radiology	1)	S354	4
1120	2014	H.Campos Pinheiro, L.Pereira, J. A.Fernandes, L.Duarte, M.Oliveira, A. G. J. M. B. Pisco, T.Campos Pinheiro, L.Rio Tinto,	The safety and efficacy of prostatic arterial embolization with Bead Block for patients with refractory benign prostatic hyperplasia-a pilot study	CardioVascular and Interventional Radiology	1)	S354-S355	4
1121	2014	H.Fernandes, L. C.Pereira, J.Duarte, M.Oliveira, A. L. C. P. Pinheiro, J.Bilhim,	Prostatic arterial embolization , as an alternative to surgery, for patients with benign prostatic hyperplasia refractory to medical therapy: Results in 500 cases	Journal of Vascular and Interventional Radiology	1)	S54	4
1122	2014	T.Tinto, H. R.Fernandes, L.Pereira, J.Duarte, M.Oliveira-Silvaa, A.	Prostatic arterial embolization , as an alternative to surgery, for patients with benign prostatic hyperplasia refractory to medical therapy: Results in 500 cases	Journal of Urology	1)	e762	10
1123	2014	L. C. B. Pinheiro, T.Pisco, J.Tinto, H. R.Fernandes, L.Pereira, J.Duarte, M.Oliveira, A.O'Neal, J.	Unilateral versus bilateral prostatic arterial embolization in patients with benign prostatic hyperplasia	Journal of Urology	1)	e793-e794	12
1124	2014	T. D. Pejicic, Z.Acimovic, M.Kajmakovic, B.Hadzi-Djokic, J. J. P. K. McWilliams, M. D.Rose,	New and experimental techniques in the treatment of benign prostatic diseases	Acta chirurgica Iugoslavica	61(1)	75-80	5
1125	2014	S. C.Bagla, S.Caplin, D. M.Cohen, E. I.Faintuch, S.Spies, J. B.Saad, W. E.Nikolic, B.	Society of interventional radiology position statement: Prostate artery embolization for treatment of benign disease of the prostate	Journal of Vascular and Interventional Radiology	25(9)	1349-1351	5
1126	2014	K. T. McVary	Prostatic arterial embolization for LUTS/BPH - An opportunity for collaborative research or next prostatic gizmo candidate?	Journal of Urology	191(3)	577-578	5
1127	2014	D. R. Kurbatov, G. I.Lepetukhin, A.Dubsky, S.Sitkin, I.Morgia, G.Rozhivanov, R.Cimino, S.Sansalone, S.	Prostatic artery embolization for prostate volume greater than 80 cm3: results from a single-center prospective study	Urology	84	2 400-4	4

1128	2014	D. R. Kurbatov, G. I.Lepetukhin, A.Dubsky, S.Sitkin, I.Morgia, G.Rozhivanov, R.Cimino, S.Sansalone, S.	Prostatic artery embolization for prostate volume greater than 80 cm ³ : Results from a single-center prospective study	Urology	84(2)		400-404	10
1129	2014	D. D. Kurbatov, S.Sitkin, I.Lepetukhin, A.	New alternative method of gross BPH treatment-endovascular superselective embolization of prostatic arteries	European Urology, Supplements	13(1)		e228	4
1130	2014	N. G.-M. Kisilevzky, R.	Re: does polyvinyl alcohol particle size change the outcome of prostatic arterial embolization for benign prostatic hyperplasia? Results from a single-center randomized prospective study	Journal of vascular and interventional radiology	Vol.25	4	658-659p	5
1131	2014	N. S. Kawai, M.Hosokawa, S.Murotani, K.Sanda, H.Nakata, K.Minamiguchi, H.Nakai, M.Sonomura, T.	Prostate-supplying arteriogram created by multidetector-row CT during pelvic arteriography: Contribution to the treatment strategy of prostatic artery embolization for prostatic hyperplasia	Japanese Journal of Radiology	32(8)		491-495	4
1132	2014	S. A. Kaplan	Re: Clinical, laboratorial, and urodynamic findings of prostatic artery embolization for the treatment of urinary retention related to benign prostatic hyperplasia. A prospective single-center pilot study: Editorial comment	Journal of Urology	192(6)		1767-1769	5
1133	2014	M. Harris	Prostate artery embolisation is inferior to transurethral resection of the prostate: Pro	CardioVascular and Interventional Radiology	1)		S98	5
1134	2014	J. A. Golzarian, A. A.Bilhim, T.Carnevale, F. C.Konety, B.McVary, K. T.Parsons, J. K.Pisco, J. M.Siegel, D. N.Spies, J.Wasserman, N.Gowda, N.Ahrar, K.	Prostatic artery embolization to treat lower urinary tract symptoms related to benign prostatic hyperplasia and bleeding in patients with prostate cancer: Proceedings from a multidisciplinary research consensus panel	Journal of Vascular and Interventional Radiology	25(5)		665-674	5
1135	2014	C. Q. Gargasole, S.Cartwright, R.Regan, L.Khullar, V. R. G. Garcia-Monaco,	The impact of bulky fibroids on luts: Does either the size or the position make a difference?	Neurourology and Urodynamics	33(6)		921	5
1136	2014	L.Kizilevsky, N.Peralta, O.Rodriguez, P.Palacios-Jaraquemada, J.	Human cadaveric specimen study of the prostatic arterial anatomy: implications for arterial embolization	Journal of Vascular & Interventional Radiology	25	2	315-22	5
1137	2014	Y. A. H. Gao, Y.Zhang, R.Yang, Y. D.Zhang, Q.Hou, M.Wang, Y.	Benign prostatic hyperplasia: prostatic arterial embolization versus transurethral resection of the prostate--a prospective, randomized, and controlled clinical trial	Radiology	Vol.270	3	920-928p	10

1138	2014	N. E. B. Frenk, R. H.Carnevale, F. C.Goncalves, O. M.Antunes, A. A.Srougi, M.Cerri, G. G.	MRI findings after prostatic artery embolization for treatment of benign hyperplasia	AJR. American Journal of Roentgenology	203	4	813-21	4
1139	2014	N. E. B. Frenk, R. H.Carnevale, F. C.Goncalves, O. M. G.Antunes, A. A.Srougi, M.Cerri, G. G.	MRI findings after prostatic artery embolization for treatment of benign hyperplasia	American Journal of Roentgenology	203(4)		813-821	10
1140	2014	D. C. Flowers, J.Bryant, T. J.Ingram, L. M.Dyer, J.Harris, M.Somani, B.Hacking, N.	Cone beam CT: An essential adjunct to prostatic artery embolisation for benign prostatic hypertrophy? Experience from the first UK trial	CardioVascular and Interventional Radiology	1)		S285	4
1141	2014	D. C. Flowers, J.Bryant, T. J.Ingram, L. M.Dyer, J.Harris, M.Somani, B.Hacking, N.	Radiation dose considerations and the methods of dose reduction in prostate artery embolisation for benign prostatic hypertrophy: Experience from the first UK trial	CardioVascular and Interventional Radiology	1)		S341	2
1142	2014	L. B. Fernandes, T.Rio Tinto, H.Pereira, J. A.Duarte, M.Pisco, J. M.	Prostatic artery embolization -where does it stand in the management of the end point?	CardioVascular and Interventional Radiology	1)		S290	8
1143	2014	J. P. B. Dyer, T.Coyne, J.Flowers, D.Somani, B. K.Harris, M.Hacking, N.	Prostate artery embolization (PAE) for bladder outflow obstruction: Results of the first UK prospective study	BJU International	5)		52	8
1144	2014	M. A. S. B. De Gregorio, M.	Prostate artery embolisation : Technique	CardioVascular and Interventional Radiology	1)		S133-S134	5
1145	2014	K. D. Cvach, P.Rosamilia, A.Lim, Y.Schierlitz, L.	A prospective observational study of lower urinary tract symptoms before and after surgical removal of a large pelvic mass	Female Pelvic Medicine and Reconstructive Surgery	1)		S186-S187	1
1146	2014	J. F. Coyne, D.Dyer, J.Somani, B.Harris, M.Bryant, T.Hacking, N.	Prostate artery embolisation for benign prostate enlargement: Prospective short-term outcomes from a university teaching hospital	Urology	1)		S224	8
1147	2014	J. B. Coyne, T.Dyer, J.Somani, B.Flowers, D.Harris, M.Hacking, N.	Midterm results of southampton experience of prostate artery embolization for symptomatic benign prostatic enlargement	Journal of Vascular and Interventional Radiology	25(5)		8.11E+06	4
1148	2014	M. M. Chiaradia, J.Campeggi, A.Novelli, L.Bouanane, M.De La Taille, A.Radaelli, A.Kobeiter, H.	Automatic 3D detection of prostatic arteries using cone-beam computed tomography during prostatic arterial embolization : A feasibility study	CardioVascular and Interventional Radiology	1)		S250	8

1149	2014	P. E. Celtikci, O.Tatar, I. G.Conkbayir, I.Hekimoglu, B.	Superselective arterial embolization of pseudoaneurysm and arteriovenous fistula caused by transurethral resection of the prostate	Polish Journal of Radiology	79		352-5	5
1150	2014	F. C. M. Carnevale, A. M.Antunes, A. A.	The "PERFecTED Technique": Proximal Embolization First, Then Embolize Distal for Benign Prostatic Hyperplasia	CardioVascular and Interventional Radiology	37(6)		1602-1605	5
1151	2014	F. C. Carnevale	Prostate artery embolisation : Indications and results	CardioVascular and Interventional Radiology	1)		S131-S133	5
1152	2014	F. C. Carnevale	Prostatic artery embolisation : Familiar concept, new indication and state-of-the-art methods	CardioVascular and Interventional Radiology	1)		S198-S199	5
1153	2014	L. M. B. Campos Pinheiro, T.Pisco, J.Rio Tinto, H.Fernandes, L.Pereira, J.Duarte, M.Oliveira, A.O'Neill, J.	Unilateral versus bilateral prostatic arterial embolization in patients with benign prostatic hyperplasia	European Urology, Supplements	13(1)		e229	12
1154	2014	T. P. Bilhim, J.Pinheiro, L. C.Rio Tinto, H.Fernandes, L.Pereira, J. A.	The role of accessory obturator arteries in prostatic arterial embolization	Journal of Vascular and Interventional Radiology	25(6)		875-879	2
1155	2014	T. Bilhim	Response: Does polyvinyl alcohol particle size change the outcome of prostatic arterial embolization for benign prostatic hyperplasia? Results from a single-center randomized prospective study	Journal of Vascular and Interventional Radiology	25(4)		659-660	10
1156	2014	T. Bilhim	Response to "does polyvinyl alcohol particle size change the outcome of prostatic arterial embolization for benign prostatic hyperplasia? Results from a single-center randomized prospective study"	Journal of vascular and interventional radiology : JVIR	Vol.25	4	659-660p	5
1157	2014	E. F. M. Becher, K. T.	Surgical procedures for BPH/LUTS: Impact on male sexual health	Sexual Medicine Reviews	2(1)		47-55	5
1158	2014	S. S. Bagla, K. M.	Pitfalls of Cone Beam Computed Tomography in Prostate Artery Embolization	CardioVascular and Interventional Radiology	37(6)		1430-1435	5

1159	2014	S. M. Bagla, C. P.van Breda, A.Sheridan, M. J.Sterling, K. M.Papadouris, D.Rholl, K. S.Smirniotopoulos, J. B.van Breda, A.	Early results from a United States trial of prostatic artery embolization in the treatment of benign prostatic hyperplasia	Journal of Vascular & Interventional Radiology	25	1	47-52	4
1160	2014	S. M. Bagla, C. P.Sheridan, M. J.Sterling, K. M.Papadouris, D.Rholl, K. S.Smirniotopoulos, J. B.Van Breda, A.	Early results from a united states trial of prostatic artery embolization in the treatment of benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	25(1)		47-52	10
1161	2014	M. R. Babaei	Prostatic Arterial Embolization to Treat Benign Prostatic Hyperplasia (PAE)	Iranian Journal of Radiology	2)		S86	5
1162	2014	Anonymous	Selected Abstracts from the Global Embolization Symposium and Technologies, GEST U.S. 2014	Journal of Vascular and Interventional Radiology. Conference: Global Embolization Symposium and Technologies, GEST U.S.	25	5		8
1163	2014	D. M. Abt, L.Hechelhammer, L.Kessler, T. M.Schmid, H. P.Engeler, D. S.	Prostatic artery embolization versus conventional TUR-P in the treatment of benign prostatic hyperplasia: protocol for a prospective randomized non-inferiority trial	BMC urology	14	94		0
1164	2014		Clinical Trial of Prostatic Arterial Embolization Versus a Sham Procedure to Treat Benign Prostatic Hyperplasia					7
1165	2014		Prostatic Artery Embolization vs. Conventional Transurethral Prostatectomy in the Treatment of Benign Prostatic Hyperplasia					7
1166	2013	E. M. G. Yoshinaga, O.Da Motta Leal Filho, J.Nakano, E.Marchini, G.Reis, S. T.Baroni, R.Carnevale, F. C.Cerri, G. G.Srougi, M.Antunes, A. A.	Magnetic ressonanse analysis of prostatic artery embolization (PAE) for treatment of benign prostatic hyperplasia (BPH)	Journal of Urology	1)		e820	4
1167	2013	B. A. Tombal, P.De La Taille, A.Van Der Meulen, E.Persson, B. E.Olesen, T. K.Nilsson, J.	Lower risk of cardiovascular (CV) events and death in men receiving ADT by gonadotropin releasing hormone (GnRH) antagonist, degarelix, compared with luteinising hormone-releasing (LHRH) agonists	European Urology, Supplements	12(1)		e677-e678	5

1168	2013	D. I. Shveiky, C. B.Antosh, D. D.Kudish, B. I.Peterson, J.Huang, C. C.Spies, J. B.	The effect of uterine fibroid embolization on lower urinary tract symptoms	International Urogynecology Journal and Pelvic Floor Dysfunction	24(8)	1341-1345	2
1169	2013	H. F. Rio Tinto, L.Bilhim, T.Pinheiro, L. C.Pereira, J. A.Duarte, M.Pisco, J. M.	Prostatic artery embolization with embozene for symptomatic patients with benign prostatic hyperplasia: Preliminary results	CardioVascular and Interventional Radiology	3)	S283	4
1170	2013	H. B. Rio Tinto, T.Fernandes, L.Pereira, J. A.Duarte, M.Pinheiro, L. C.Oliveira, A. G.Pisco, J. M.	Prostatic artery embolization for benign prostatic hyperplasia: Preliminary results of a prospective randomized study comparing 200-mum and 200 + 300-mum PVA particles	CardioVascular and Interventional Radiology	3)	S215	12
1171	2013	J. P. Pisco, L. C.Bilhim, T.Duarte, M.Tinto, H. R.Fernandes, L.Santos, V. V.Oliveira, A. G.	Prostatic arterial embolization for benign prostatic hyperplasia: Short-And intermediate-term results	Radiology	266(2)	668-677	12
1172	2013	J. M. R. T. Pisco, H.Campos Pinheiro, L.Bilhim, T.Duarte, M.Fernandes, L.Pereira, J.Oliveira, A. G.	Embolisation of prostatic arteries as treatment of moderate to severe lower urinary symptoms (LUTS) secondary to benign hyperplasia: Results of short- and mid-term follow-up	European Radiology	23(9)	2561-2572	0
1173	2013	J. M. P. Pisco, L. C.Bilhim, T.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Oliveira, A. G.	How to improve the clinical results of prostatic artery embolization (PAE) for patients with benign prostatic hyperplasia (BPH) and moderate to severe lower urinary tract symptoms (LUTS)	CardioVascular and Interventional Radiology	3)	S280	8
1174	2013	J. M. P. Pisco, L. C.Bilhim, T.Rio Tinto, H.Fernandes, L.Duarte, M.Pereira, J. A.Oliveira, A. G.	Clinical outcome of prostatic arterial embolization for patients with symptomatic benign prostatic hyperplasia refractory to medical therapy: 365 cases	CardioVascular and Interventional Radiology	3)	S216	4
1175	2013	J. M. P. Pisco, L. C.Bilhim, T.Rio Tinto, H.Duarte, M.Fernandes, L.Pereira, J. A.Oliveira, A. G.	Embolization for patients with benign prostatic hyperplasia, very large prostate, and moderate to severe lower urinary tract symptoms (LUTS) as an alternative to open surgery	CardioVascular and Interventional Radiology	3)	S281	8
1176	2013	J. M. Pisco	What do we know about outcomes of embolization in 2013?	CardioVascular and Interventional Radiology	3)	S107-S109	5
1177	2013	J. C. P. Pisco, L.Bilhim, T.Duarte, M.Rio Tinto, H.Fernandes, L.Vaz Santos, V.Oliveira, A. G.	Prostatic arterial embolization for benign prostatic hyperplasia: short- and intermediate-term results	Radiology	266	2 668-77	10

1178	2013	L. C. P. Pinheiro, L. F. J.Tinto, H. R.Bilhim, T.Duarte, M.Pereira, J.Oliveira, A. G.	Prostatic arterial embolization for patients with benign prostatic hyperplasia and acute urinary retention with a bladder catheter	Journal of Urology	1)	e819	4	
1179	2013	L. C. P. Pinheiro, J.Tinto, H. R.Bilhim, T.Fernandes, L.Duarte, M.Pereira, J.Oliveira, A. G.	Clinical outcome of prostatic arterial embolisation for patients with benign prostatic hyperplasia and moderate to severe lower urinary tract symptoms - 365 cases	Journal of Urology	1)	e819	4	
1180	2013	L. C. P. Pinheiro, J.Tinto, H. R.Bilhim, T.Fernandes, L.Duarte, M.Pereira, J.Oliveira, A. G.	Embolization for benign prostatic hyperplasia and very large prostate as an alternative to open surgery	Journal of Urology	1)	e820	8	
1181	2013	J. A. F. Pereira, L.Rio Tinto, H.Bilhim, T.Duarte, M.Pisco, J. M.	Preliminary results of prostatic artery embolization in patients with symptomatic benign prostatic hyperplasia and small prostate volume (40 cc)	CardioVascular and Interventional Radiology	3)	S282	8	
1182	2013	A. M. M. Moreira, C. F. S.Antunes, A. A.Nahas, C. S. R.Nahas, S. C.De Gregorio Ariza, M. A.Carnevale, F. C.	Transient ischemic rectitis as a potential complication after prostatic artery embolization : Case report and review of the literature	CardioVascular and Interventional Radiology	36(6)	1690-1694	5	
1183	2013	R. M. M. Learney, S.Downes, M.Shrotri, N.	Successful minimally-invasive management of a case of giant prostatic hypertrophy associated with recurrent nephrogenic adenoma of the prostate	BMC Urology	13 (no pagination)	18	5	
1184	2013	I. H. Krynytska, R.	Vulval haematoma after TVT-obturator insertion requiring arterial embolisation	Journal of Obstetrics & Gynaecology	33	8	908-9	5
1185	2013	L. R. T. Fernandes, H.Pereira, J. A.Bilhim, T.Duarte, M.Pisco, J. M.	Management of difficult prostatic artery embolization cases	CardioVascular and Interventional Radiology	3)	S285	4	
1186	2013	L. R. T. Fernandes, H.Pereira, J. A.Bilhim, T.Duarte, M.Pisco, J. M.	Prostatic artery embolization -important anastomoses and learning when to stop	CardioVascular and Interventional Radiology	3)	S285	4	
1187	2013	L. P. Fernandes, J. M.Pinheiro, L. C.Rio Tinto, H.Bilhim, T.Duarte, M.Pereira, J. A.Oliveira, A. G.	Embolisation in patients with benign prostatic hyperplasia and refractory acute urinary retention	CardioVascular and Interventional Radiology	3)	S281	4	
1188	2013	L. C. P. Fernandes, J. M.Bilhim, T.Rio Tinto, H.Pereira, J.Duarte, M.	Best embolic agent for prostatic artery embolization in bph patients: A prospective randomized study of 300-500 mum tris-acryl gelatin microspheres versus 100+200 mum PVA particles	Journal of Vascular and Interventional Radiology	1)	S76	12	

1189	2013	Z. T. Y. Fang, Z. P.Tang, Y.Yu, S.Chen, L. S.Yang, H. L.Bao, Q.Cai, S. P.He, Y. H.Chen, X. H.Luo, J. J.Zhang, W. F. C. d. M.-L.-F. Carnevale, J. M.Antunes, A. A.Baroni, R. H.Marcelino, A. S.Cerri, L. M.Yoshinaga, E. M.Cerri, G. G.Srougi, M.	Transarterial prostatic embolization : Initial experience in hormone-induced benign prostatic hyperplasia in dogs. [Chinese]	Chinese Journal of Radiology (China)	47(6)		551-554	9
1190	2013	F. C. D. M.-L.-F. Carnevale, J. M.Antunes, A. A.Baroni, R. H.Marcelino, A. S.Cerri, L. M.Yoshinaga, E. M.Cerri, G. G.Srougi, M.	Quality of life and clinical symptom improvement support prostatic artery embolization for patients with acute urinary retention caused by benign prostatic hyperplasia	Journal of Vascular & Interventional Radiology	24	4	535-42	4
1191	2013	F. C. D. M.-L.-F. Carnevale, J. M.Antunes, A. A.Baroni, R. H.Marcelino, A. S. Z.Cerri, L. M. O.Yoshinaga, E. M.Cerri, G. G.Srougi, M.	Quality of life and clinical symptom improvement support prostatic artery embolization for patients with acute urinary retention caused by benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	24(4)		535-542	4
1192	2013	F. C. A. Carnevale, A. A.	Prostatic artery embolization for enlarged prostates due to benign prostatic hyperplasia. How i do it	CardioVascular and Interventional Radiology	36(6)		1452-1463	5
1193	2013	L. P. Campos Pinheiro, J.Rio Tinto, H.Bilhim, T.Fernandes, L.Duarte, M.Preira, J.Gouveia Oliveira, A. G. M. Camara-Lopes, R.Antunes,	Clinical outcome of prostatic arterial embolization for patients with benign prostatic hyperplasia and moderate to severe lower urinary tract symptoms - 365 cases	European Urology, Supplements	12(1)		e628	10
1194	2013	A. A.Carnevale, F. C.Cerri, G. G.Srougi, M.Alves, V. A.Leite, K. R.	The histology of prostate tissue following prostatic artery embolization for the treatment of benign prostatic hyperplasia	International braz j urol : official journal of the Brazilian Society of Urology	39(2)		222-227	5
1195	2013	O. R. F. Brook, S.Brook, A.Goldberg, S. N.Rofsky, N. M.Lenkinski, R. E.	Embolization therapy for benign prostatic hyperplasia: Influence of embolization particle size on gland perfusion	Journal of Magnetic Resonance Imaging	38(2)		380-387	6
1196	2013	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J.Duarte, M.Campos Pinheiro, L.Oliveira, A.O'Neill, J. E.	Polyvinyl alcohol particle size for prostatic artery embolization : A prospective randomized study of 100 um particles versus 200 um particles	Journal of Vascular and Interventional Radiology	1)		S8	12

1197	2013	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J.Duarte, M.Campos Pinheiro, L.Oliveira, A.O'Neill, J. E.	Predictive factors of poor clinical outcome after prostatic arterial embolization for bph	Journal of Vascular and Interventional Radiology	1)		S73	8
1198	2013	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J.Duarte, M.Campos Pinheiro, L.Oliveira, A.O'Neill, J. E.	Unilateral versus bilateral prostatic arterial embolization in patients with benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	1)		S74	12
1199	2013	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J.Duarte, M.Campos Pinheiro, L.Oliveira, A.O'Neill, J. E.	Prostatic arterial embolization : Can MR findings predict treatment outcome?	Journal of Vascular and Interventional Radiology	1)		S113-S114	8
1200	2013	T. P. Bilhim, J. A.Tinto, H. R.Fernandes, L.Duarte, M.O'Neill, J. E.Pisco, J. M.	Middle rectal artery : Myth or reality? Retrospective study with CT angiography and digital subtraction angiography	Surgical and Radiologic Anatomy	35(6)		517-522	2
1201	2013	T. P. Bilhim, J.Rio Tinto, H.Fernandes, L.Campos Pinheiro, L.Duarte, M.Pereira, J. A.Oliveira, A. G.O'Neill, J.	Unilateral versus bilateral prostatic arterial embolization for lower urinary tract symptoms in patients with prostate enlargement	Cardiovascular and interventional radiology	Vol.36	2	403-411p	4
1202	2013	T. P. Bilhim, J.Campos Pinheiro, L.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Oliveira, A. G.	Does polyvinyl alcohol particle size change the outcome of prostatic arterial embolization for benign prostatic hyperplasia? Results from a single-center randomized prospective study	Journal of vascular and interventional radiology : JVIR	Vol.24	11	1595-602.e1p	12
1203	2013	S. S. Bagla, K. M.Rholl, K. S.Van Breda, A.	Role of C-arm cone beam computed tomography in prostate artery embolization for treating benign prostatic hyperplasia (BPH)	CardioVascular and Interventional Radiology	3)		S282	8
1204	2013	S. R. Bagla, K. S.Sterling, K. M.van Breda, A.Papadouris, D.Cooper, J. M.van Breda, A.	Utility of cone-beam CT imaging in prostatic artery embolization	Journal of Vascular & Interventional Radiology	24	11	1603-7	2
1205	2013	S. R. Bagla, K. S.Sterling, K. M.Papadouris, D.Cooper, J. M.Van Breda, A.	Utility of cone-beam CT imaging in prostatic artery embolization	Journal of Vascular and Interventional Radiology	24(11)		1603-1607	10

1206	2013	S. C. Bagla, J. M.Rholl, K. S.Sterling, K. M.Papadouris, D.Van Breda, A.Wong, J.Hedden, J.Ponturo, M.Pollach, S.McDermott, L.	Early findings from a prospective US trial: Prostatic artery embolization (pae) in the treatment of benign prostatic hyperplasia (BPH)	Journal of Vascular and Interventional Radiology	1)		S74-S75	4
1207	2013	A. A. C. Antunes, F. C.da Motta Leal Filho, J. M.Yoshinaga, E. M.Cerri, L. M.Baroni, R. H.Marcelino, A. S.Cerri, G. G.Srougi, M.	Clinical, laboratorial, and urodynamic findings of prostatic artery embolization for the treatment of urinary retention related to benign prostatic hyperplasia. A prospective single-center pilot study	Cardiovascular & Interventional Radiology	36	4	978-86	4
1208	2013	A. A. C. Antunes, F. C.Da Motta Leal Filho, J. M.Yoshinaga, E. M.Cerri, L. M. O.Baroni, R. H.Marcelino, A. S. Z.Cerri, G. G.Srougi, M.	Clinical, laboratorial, and urodynamic findings of prostatic artery embolization for the treatment of urinary retention related to benign prostatic hyperplasia. A prospective single-center pilot study	CardioVascular and Interventional Radiology	36(4)		978-986	4
1209	2013	Anonymous	Erratum: Prostatic arterial embolization for benign prostatic hyperplasia: Shortand intermediate-term results (Radiology (2013) 266 (668-677))	Radiology	268(3)		929	5
1210	2013		Prostatic Artery Embolization Versus 532 nm Green Light PVP for Catheterized Patients					7
1211	2012	B. Z. Xiong, C. S.Wang, Q.Feng, G. S.Liang, H. M.Li, H.Yi, C. H.	Clinical application of transcatheter arterial embolization in the treatment of prostate hemorrhage occurred after transurethral resection of the prostate. [Chinese]	Journal of Interventional Radiology (China)	21(8)		630-632	9
1212	2012	H. M. P. Rio Tinto, J.Bilhim, T.Duarte, M.Fernandes, L.Pereira, J.Campos Pinheiro, L.	Prostatic Artery Embolization in the Treatment of Benign Prostatic Hyperplasia: Short and Medium Follow-up	Techniques in Vascular and Interventional Radiology	15(4)		290-293	4
1213	2012	H. B. Rio Tinto, T.Fernandes, L.Duarte, M.Pereira, J. A.Pinheiro, L. C.Pisco, J. M.	How to perform prostatic artery embolization : Clinical and technical challenges	CardioVascular and Interventional Radiology	1)		S218	12
1214	2012	H. B. Rio Tinto, T.Fernandes, L.Duarte, M.Pereira, J. A.Pinheiro, L. C.Pisco, J. M.	Initial experience with embozene microspheres for prostatic artery embolization : Technical and clinical outcomes	CardioVascular and Interventional Radiology	1)		S272	8

1215	2012	J. M. P. Pisco, L. C.Bilhim, T.Rio Tinto, H.Duarte, M.Fernandes, L.Pereira, J. A.O'Neill, J.Oliveira, A. G.	Embolization for symptomatic benign prostatic hyperplasia after failure of medical therapy	CardioVascular and Interventional Radiology	1)	S155-S156	8
1216	2012	J. M. P. Pisco, L. C.Bilhim, T.Rio Tinto, H.Duarte, M.Fernandes, L.Pereira, J. A.O'Neill, J.Oliveira, A. G.	Prostatic artery embolization for patients with symptomatic benign prostatic hyperplasia and prostate larger than 100CC	CardioVascular and Interventional Radiology	1)	S215	8
1217	2012	J. M. P. Pisco, L.Bilhim, T.O'Neill, J. E.Rio Tinto, H.Duarte, M.Fernandes, L.Oliveira, A.	Further evaluation of prostatic artery embolization of symptomatic benign prostatic hyperplasia in a large series of patients. Safety, short and medium term outcomes	Journal of Vascular and Interventional Radiology	1)	S34-S35	8
1218	2012	L. C. P. Pinheiro, J.Bilhim, T.Tinto, H. R.Santos, V. V.O'Neill, J.	Embolization of benign prostatic hyperplasia in symptomatic patients. Short and medium term results	Journal of Urology	1)	e817	8
1219	2012	J. A. R. T. Pereira, H.Fernandes, L.Duarte, M.Bilhim, T.Pisco, J. M.	Male pelvic arteries revisited: An anatomical-radiological pictorial assay	CardioVascular and Interventional Radiology	1)	S258	8
1220	2012	A. I. S. Neimark, N. V.	[Endovascular treatment of persistent dysuria and chronic pelvic pain in women with pelvic varicose veins]	Urologiia (Moscow, Russia)	4	04월 20일	2
1221	2012	J. M. C. Motta Leal Filho, F. C.Antunes, A. A.Goncalves, O. M.Baroni, R. H.Cerri, L. M.Marcelino, A. Z.Freire, G. C.Srougi, M.Cerri, G. G.	Relevant angiographic findings during prostatic arterial embolization for the treatment of benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	1)	S34	4
1222	2012	J. P. Martins Pisco, J.Rio Tinto, H.Fernandes, L.Bilhim, T.	How to Perform Prostatic Arterial Embolization	Techniques in Vascular and Interventional Radiology	15(4)	286-289	5
1223	2012	J. Martins Pisco	Prostatic arterial embolization	Techniques in vascular and interventional radiology	15(4)	255	5

1224	2012	J. Martins Pisco	Introduction	Techniques in Vascular and Interventional Radiology	15(4)		255	2
1225	2012	R. Malek	Minimally invasive treatment of BPH in 2012	International Journal of Urology	1)		27	5
1226	2012	N. I. Kipshidze, A.Archvadze, A.Kantaria, M.Nemsadze, G.	Complex pelvic reconstruction	Acute Cardiac Care	14(2)		61-62	4
1227	2012	S. A. Kaplan	Re: Prostatic arterial embolization to treat benign prostatic hyperplasia	Journal of Urology	187(1)		212-213	5
1228	2012	S. H. Ishizaka, K.Otsuka, M.Fukuda, S.Tsunoda, K.Ushijima, R.Kitagawa, N.Suyama, K.Nagata, I.	Syringomyelia and arachnoid cysts associated with spinal arachnoiditis following subarachnoid hemorrhage	Neurologia Medico-Chirurgica	52	9	686-90	1
1229	2012	R. P. Garcia-Monaco, O.Rodriguez, P. S.Jaraquemada, M. P.Golzarian, J.	Prostate vascular anatomy: Cadaveric study and angiographic correlation	Journal of Vascular and Interventional Radiology	1)		S123-S124	1
1230	2012	L. R. T. Fernandes, H.Pereira, J.Duarte, M.Bilhim, T.Martins Pisco, J.	Prostatic Arterial Embolization : Post-Procedural Follow-up	Techniques in Vascular and Interventional Radiology	15(4)		294-299	5
1231	2012	L. R. T. Fernandes, H.Bilhim, T.Duarte, M.Pereira, J. A.Pinheiro, L. C.Pisco, J. M. F. C. M. L. F. Carnevale, J. M.Antunes, A. A.Cerri, L.	Clinical outcome after prostatic artery embolization in patients under acute urinary retention	CardioVascular and Interventional Radiology	1)		S216	8
1232	2012	M.Baroni, R. H.Marcelino, A. Z.Freire, G. C.Goncalves, O. M.Yoshinaga, E. M.Cerri, G. G.Srougi, M.	Quality of life and symptoms relief support prostatic artery embolization for patients with acute urinary retention due to benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	1)		S4	4

1233	2012	F. C. M.-L.-F. Carnevale, J. M.Antunes, A. A.Cerri, L. M. O.Marcelino, A. S. Z.Freire, G. C.Baroni, R. H.Goncalves, O. M. G.Yoshinaga, E. M.Srougi, M.Cerri, G. G.	Quality of life and symptoms relief support prostatic artery embolization for patients with acute urinary retention due to benign prostatic hyperplasia	CardioVascular and Interventional Radiology	1)		S156	8
1234	2012	F. C. Carnevale	Embolization for prostate gland hyperplasia: Is there any evidence?	CardioVascular and Interventional Radiology	1)		S70-S71	5
1235	2012	T. T. Bilhim, H. R.Fernandes, L.Martins Pisco, J.	Radiological Anatomy of Prostatic Arteries	Techniques in Vascular and Interventional Radiology	15(4)		276-285	5
1236	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pinheiro, L. C.Furtado, A.Casal, D.Duarte, M.Pereira, J.Oliveira, A. G.O'Neill, J. E.	Prostatic arterial supply: anatomic and imaging findings relevant for selective arterial embolization	Journal of Vascular & Interventional Radiology	23	11	1403-15	10
1237	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pinheiro, L. C.Furtado, A.Casal, D.Duarte, M.Pereira, J.Oliveira, A. G.O'Neill, J. E. G.	Prostatic arterial supply: Anatomic and imaging findings relevant for selective arterial embolization	Journal of Vascular and Interventional Radiology	23(11)		1403-1415	2
1238	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Pinheiro, L. C.Oliveira, A. G.O'Neill, J.	Prostatic arterial embolization : Criteria to predict treatment outcome	CardioVascular and Interventional Radiology	1)		S156	8
1239	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Pinheiro, L. C.Oliveira, A. G.O'Neill, J.	Clinical outcome after prostatic artery embolization : Unilateral versus bilateral embolization	CardioVascular and Interventional Radiology	1)		S174	8
1240	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Pinheiro, L. C.Oliveira, A. G.O'Neill, J.	Polyvinyl alcohol particle size for prostatic artery embolization : A prospective randomized study of 100 mum particles versus 200 mum particles	CardioVascular and Interventional Radiology	1)		S174	10

1241	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Pinheiro, L. C.Oliveira, A. G.O'Neill, J.	Clinical outcome after prostatic artery embolization : Does prostate volume reduction matter?	CardioVascular and Interventional Radiology	1)		S215	8
1242	2012	T. P. Bilhim, J. M.Rio Tinto, H.Fernandes, L.Pereira, J. A.Duarte, M.Pinheiro, L. C.Oliveira, A. G.O'Neill, J.	MR and endorectal US findings in benign prostatic hyperplasia before and after prostatic artery embolization	CardioVascular and Interventional Radiology	1)		S217	8
1243	2012	C. H. Beynon, C.Rohde, S.Unterberg, A. W.Sakowitz, O. W.	Intraoperative indocyanine green angiography for microsurgical treatment of a craniocervical dural arteriovenous fistula	Clinical Neurology & Neurosurgery	114	6	696-8	5
1244	2012	A. A. C. Antunes, F.Muracca, E.Filho, J. M.Reis, S.Cerri, L.Baroni, R.Marcelino, A.Freire, G. C.Cerri, G.Srougi, M.	Urodynamic findings after prostatic artery embolization for treatment of urinary retention related to benign prostatic hyperplasia	Journal of Urology	1)		e818	8
1245	2012	T. D. A. Pereira JBilhim, M.Rio Tinto, H.Fernandes, L.Martins Pisco, J.	Patient Selection and Counseling before Prostatic Arterial Embolization	Techniques in Vascular and Interventional Radiology	15(4)		270-275	4
1246	2011	F. S. Sun, F. M.Crisostomo, V.Diaz-Guemes, I.Lopez-Sanchez, C.Uson, J.Maynar, M.	Trans arterial prostatic embolization : initial experience in a canine model	AJR. American Journal of Roentgenology	197	2	495-501	6
1247	2011	J. S. Spies, D.Iglesia, C.Lee, J.Jones, M.Peterson, J.Huang, C. J.	The impact of uterine fibroid embolization (UFE) on lower urinary tract symptoms	Journal of Vascular and Interventional Radiology	1)		S72-S73	2
1248	2011	D. I. Shveiky, C. B.Marshall, D. D.Kudish, B. I.Lee, J.Jones, M.Peterson, J. L.Huang, J.Spies, J. B.	The effect of uterine fibroid embolization on lower urinary tract symptoms	Urogynecology Journal and Pelvic Floor Dysfunction	1)		S80-S81	2
1249	2011	D. I. Shveiky, C. B.Kudish, B. I.Marshall, D. D.Lee, J.Jones, M. M.Peterson, J. L.Huang, C. J.Spies, J. B.	The effect of uterine fibroid embolization on lower urinary tract symptoms	Journal of Pelvic Medicine and Surgery	1)		S33-S34	10

1250	2011	J. M. P. Pisco, L. C.Bilhim, T.Rio Tinto, H. A. M.Santos, V. V.Oliveira, A. G.O'Neill, J. J. M. P. Pisco, L. C.Bilhim,	The safety and outcome of prostatic artery embolization to treat benign prostatic hyperplasia	CardioVascular and Interventional Radiology	3)	496	4
1251	2011	T.Duarte, M.Mendes, J. R.Oliveira, A. G.	Prostatic arterial embolization to treat benign prostatic hyperplasia	Journal of Vascular and Interventional Radiology	22(1)	11월 19일	4
1252	2011	J. M. C. P. Pisco, L.Bilhim, T.Rio Tinto, H.Santos, V. V.O'Neill, J. E.	Prostatic artery embolization to treat benign prostatic hyperplasia: Short and medium term outcomes	Journal of Vascular and Interventional Radiology	1)	S5	4
1253	2011	L. C. P. Pinheiro, J.Bilhim, T.Santos, V. V.O'Neill, J. Y. O. Nakahara, A.Takase,	Prostatic artery embolization to treat benign prostatic hyperplasia - Short and medium term outcomes	Journal of Urology	1)	e908-e909	4
1254	2011	Y.Maeda, K.Okamoto, H.Matsushima, T.Sakata, S.	Treatment of dural arteriovenous fistula presenting as typical symptoms of hydrocephalus caused by venous congestion: case report	Neurologia Medico-Chirurgica	51	3 229-32	1
1255	2011	I. V. I. Iakovets, E. A.Neimark, A. I.Karpenko, A. A.Arzamastsev, D. D.	[Experience in vitaprost treatment of patients with chronic abacterial prostatitis and prostatic adenoma after prostatic arteries embolism]. [Russian]	Urologii{combining double inverted breve}a (Moscow, Russia : 1999)	5	33-34, 36-39	9
1256	2011	V. I. Iakovets Ia, E. A.Neimark, A. I.Karpenko, A. A.Arzamastsev, D. D.	[Experience in vitaprost treatment of patients with chronic abacterial prostatitis and prostatic adenoma after prostatic arteries embolism]	Urologiia (Moscow, Russia)	5	33-4, 36-9	2
1257	2011	I. K. Dedov, D.Sitkin, I.Neimark, A.Yakovets, E.Lepetuhin, A.Dubsky, S.	Endovascular superselective embolization of prostatic arteries as the new method of BPH less invasive treatment	Journal of Urology	1)	e846	4
1258	2011	J. M. A. Da Motta-Leal-Filho, A. A.Carnevale, F. C.De Oliveira Cerri, L. M.Baroni, R. H.Sergio, A.Marcelino, Z.Freire, G. C.Cerri, G. G.Srougi, M. F. C. d. M.-L.-F. Carnevale, J. M.Antunes, A. A.Baroni, R. H.Freire, G. C.Cerri, L. M.Marcelino, A. S.Cerri, G. G.Srougi, M.	A prospective analysis of prostatic artery embolization as a primary treatment for benign prostatic hyperplasia: A pilot study	Journal of Urology	1)	e845-e846	4
1259	2011	H.Freire, G. C.Cerri, L. M.Marcelino, A. S.Cerri, G. G.Srougi, M.	Midterm follow-up after prostate embolization in two patients with benign prostatic hyperplasia	Cardiovascular & Interventional Radiology	34	6 1330-3	5

1260	2011	L. P. Campos Pinheiro, J.Bilhim, T.Vaz Santos, V.O'Neill, J.	Prostatic artery embolization to treat benign prostatic hyperplasia - Short and medium term outcomes	European Urology, Supplements	10(2)		150-151	4
1261	2011	A. C. Bonetta, G.Spina, R.Valagussa, E.	Single testicular metastasis of prostatic cancer	Anticancer Research	31(5)		1863-1864	1
1262	2011	T. P. Bilhim, J. M.Pinheiro, L. C.Rio Tinto, H. A. M.Duarte, M.O'Neill, J.	Prostatic arterial supply: Anatomical and imaging findings	CardioVascular and Interventional Radiology	3)		546	8
1263	2011	T. P. Bilhim, J. M.Pinheiro, L. C.Rio Tinto, H. A. M.Duarte, M.O'Neill, J.	Accessory pudendal arteries : What is in the name? Relevance for prostatic arterial embolization	CardioVascular and Interventional Radiology	3)		549	8
1264	2011	T. P. Bilhim, J. M.Furtado, A.Casal, D.Pais, D.Pinheiro, L. C.O'Neill, J. E. G.	Prostatic arterial supply: Demonstration by multirow detector Angio CT and Catheter Angiography	European Radiology	21(5)		1119-1126	2
1265	2011	Anonymous	2011 SIR 36th Annual Scientific Meeting - IR Rising: Leading Image-Guided Medicine	Journal of Vascular and Interventional Radiology. Conference: 36th Annual Scientific Meeting of the Society of Interventional Radiology, SIR	22	3 SUPPL. 1		7
1266	2010	H. Z. Yang, L.Ebraheim, N. A.Liu, J.Shapiro, A.Castillo, S.Liu, X.Tang, T.	Surgical treatment of sacral chordomas combined with transcatheter arterial embolization	Journal of Spinal Disorders & Techniques	23	1	47-52	2
1267	2010	J. M. P. Pisco, L. C.Bilhim, T.Duarte, M.Mendes, J. R.	Prostatic arterial embolization to treat benign prostatic hyperplasia	CardioVascular and Interventional Radiology	2)		185-186	4
1268	2010	J. M. P. Pisco, L.Bilhim, T.Duarte, M.Mendes, J.	Embolization of prostatic benign hyperplasia: Preliminary results	Journal of Vascular and Interventional Radiology	1)		S63	4
1269	2010	T. M. Ohzeki, Y.Hashimoto, K.Katoh, Y.Iguchi, M.Sawai, Y.	[A case of urinary incontinence due to hypoplastic kidney with an ectopic ureteral opening: successful treatment with transcatheter arterial embolization]	Hinyokika Kyo - Acta Urologica Japonica	56	11	645-9	1

1270	2010	Y. A. Z. Gao, R.Zeng, Y.Huang, Y. F. C. M.-L.-F. Carnevale, J. M.Antunes, A. A.Freire, G.	Clinical evaluation of arterial embolization for the treatment of benign prostatic hyperplasia. [Chinese]	Journal of Interventional Radiology	19(1)		20-22	9
1271	2010	C.Moreira, A. M.Cerri, L. M. O.Marcelino, A. S. Z.Baroni, R. H.Srougi, M.Cerri, G. G.	Benign prostatic hyperplasia: Can we treat by arterial embolization ?	CardioVascular and Interventional Radiology	2)		54-56	5
1272	2010	F. C. A. Carnevale, A. A.da Motta Leal Filho, J. M.de Oliveira Cerri, L. M.Baroni, R. H.Marcelino, A. S.Freire, G. C.Moreira, A. M.Srougi, M.Cerri, G. G.	Prostatic artery embolization as a primary treatment for benign prostatic hyperplasia: preliminary results in two patients	Cardiovascular & Interventional Radiology	33	2	355-61	5
1273	2010	F. C. A. Carnevale, A. A.Da Motta Leal Filho, J. M.De Oliveira Cerri, L. M.Baroni, R. H.Marcelino, A. S. Z.Freire, G. C.Moreira, A. M.Srougi, M.Cerri, G. G.	Prostatic artery embolization as a primary treatment for benign prostatic hyperplasia: Preliminary results in two patients	CardioVascular and Interventional Radiology	33(2)		355-361	4
1274	2010	C. T. Burke	Arterial embolization for benign prostatic hyperplasia: Will this be the next "uFE"?	CardioVascular and Interventional Radiology	2)		56	5
1275	2010	T. P. Bilhim, J. M.Duarte, M.Rio Tinto, H. A. M.O'Neill, J.	Male internal iliac and prostatic artery anatomy: Imaging findings	CardioVascular and Interventional Radiology	2)		279	2
1276	2010	V. M. Arya, M.Narendra, N.Jayswal, S.	Hemobilia: Secondary to sickle cell crisis - The first case report	American Journal of Gastroenterology	1)		S218	4
1277	2009	L. V. Tan, S. K.Consigliere, D.Heng, C. T.	Treatment of a patient with post-TURP hemorrhage using bilateral SAPE	Nature Reviews Urology	6	12	680-5	4
1278	2009	G. S. W. Jeon, J. H.Lee, B. M.Kim, J. H.Ahn, H. S.Lee, E. J.Park, S. I.Park, S. W.	The Effect of Trans arterial Prostate Embolization in Hormone-induced Benign Prostatic Hyperplasia in Dogs: A Pilot Study	Journal of Vascular and Interventional Radiology	20(3)		384-390	6

1279	2009	N. J. Duborija-Kovacevic, V. F. C. A. A. Carnevale, A. Da Motta Leal Filho, J. M. Faintuch,	Tolerability and toxicity of Pygeum africanum Extract at two dosage levels in experimental animals	Basic and Clinical Pharmacology and Toxicology	1)		141	6
1280	2009	S. Mendes de Oliveira Cerri, L. Hueb Baroni, R. Zafred Marcelino, A. S. De Campos Freire, G. Srougi, M. Cerri, G. G. S. K. Tsutsumi, A. Abe, Y. Yasumoto, Y. Ito, M. F. S. Sun, F. M. Crisostomo,	Prostatic artery embolization as a primary treatment for benign prostatic hyperplasia: Initial clinical results in two patients	CardioVascular and Interventional Radiology	2)		355	4
1281	2008	V. Lima, J. R. Luis, L. Garcia-Martinez, V. Lopez-Sanchez, C. Uson, J. Maynar, M. F. S. Sun, F. M. Crisostomo,	Basilar apex aneurysm manifesting as third ventricular mass and obstructive hydrocephalus--case report	Neurologia Medico-Chirurgica	48	10	451-4	4
1282	2008	V. Lima, J. R. Luis, L. Garcia-Martinez, V. Lopez-Sanchez, C. Uson, J. Maynar, M. F. S. Sun, F. M. Crisostomo,	Benign prostatic hyperplasia: transcatheter arterial embolization as potential treatment--preliminary study in pigs	Radiology	246	3	783-9	6
1283	2008	V. Lima, J. R. Luis, L. Garcia-Martinez, V. Lopez-Sanchez, C. Uson, J. Maynar, M. A. R. C. Rastinehad, D. M. Ost, M. C. VanderBrink, B. A. Lobko, I. Badlani, G. H. Weiss, G. H. Kavoussi, L. R. Siegel, D. N.	Benign prostatic hyperplasia: Transcatheter arterial embolization as potential treatment - Preliminary study in pigs	Radiology	246(3)		783-789	10
1284	2008	M. A. Mauro	Selective arterial prostatic embolization (SAPE) for refractory hematuria of prostatic origin	Urology	71	2	181-4	4
1285	2008	M. A. Mauro	Can hyperplastic prostate follow uterine fibroids and be managed with transcatheter arterial embolization ?	Radiology	246	3	657-8	5
1286	2008	M. A. Mauro	Science to practice: Can hyperplastic prostate follow uterine fibroids and be managed with transcatheter arterial embolization ?	Radiology	246(3)		657-658	2
1287	2008	Y. A. H. Gao, Y. Zhang, Q. Zhang, R. Zeng, Y.	Clinical evaluation of the prostatic arterial origination. [Chinese]	Journal of Interventional Radiology	17(9)		634-636	9
1288	2008	R. J. C. Bryant, J. W. F. V. B. Natarajan, N. R. Meiring, P. Spencer, P. Parys, B. T. Oakley, N. E.	Haematuria	Surgery	26(4)		150-153	2
1289	2007		Ureteric embolization : an alternative treatment strategy for urinary fistulae complicating advanced pelvic malignancy	BJU International	99	1	147-9	2

1290	2006	H. M. Takatera, M.Fujii, T.Nishi, M.Okada, H.Nishimine, K.Tsushima, J.	[Arterial injury associated with tension-free vaginal tape procedure successfully treated by radiological embolization: a case report]	Hinyokika Kijo - Acta Urologica Japonica	52	9	741-3	1
1291	2006	C. H. Phillips, N.Monga, A.	Super-selective angiographic embolisation of a branch of the anterior pudendal artery for the treatment of intractable post-operative bleeding	International Urogynecology Journal	17	3	299-301	5
1292	2006	Y. A. Z. Gao, R.Feng, B. A.Zeng, Y.	Arterial embolization in the therapy of prostatic hyperplasia (a report of 12 cases). [Chinese]	Chinese Journal of Radiology	40(12)		1314-1316	9
1293	2005	K. C. D. Zorn, S.Belzile, F.Tu le, M.	Embolization of a massive retropubic hemorrhage following a tension-free vaginal tape (TVT) procedure: case report and literature review	Canadian Journal of Urology	12	1	Mar-60	5
1294	2005	M. D. P. Bridges, S. P.Lightner, D. J.	Urethral bulking agents: imaging review	AJR. American Journal of Roentgenology	185	1	257-64	5
1295	2004	A. D. G. Solinas, F.Frongia, M.	Embolization of a hypoplastic kidney with a vaginal ectopic ureter in a case of pseudo-incontinence	Archivio Italiano di Urologia, Andrologia	76	3	117-8	4
1296	2003	K. K. Kudoh, M.Nakayama, Y.Imuta, M.Yasuda, T.Yamashita, Y.Inadome, A.Yoshida, M.Ueda, S.	Transcatheter arterial embolization therapy for a hypoplastic pelvic kidney with a single vaginal ectopic ureter to control incontinence: the usefulness of three-dimensional CT angiography using multidetector-row helical CT	Cardiovascular & Interventional Radiology	26	5	479-81	5
1297	2003	I. R. Horowitz	What's new in gynecology and obstetrics	Journal of the American College of Surgeons	197	4	612-9	5
1298	2002	F. D. Michel, T.Cercueil, J. P.Paparel, P.Cognet, F.Krause, D.	Arterial embolization for massive hematuria following transurethral prostatectomy	Journal of Urology	168(6)		2550-2551	2
1299	2002	S. C. Elard, A.Salomon, L.You, K.de La Taille, A.Vordos, D.Hoznek, A.Chopin, D.Abbou, C. C.	Embolization for arterial injury incurred during tension-free vaginal tape procedure	Journal of Urology	168	4 Pt 1	1503	5
1300	2002	A. S. Barbieri, M.Marcato, C.Larini, P.Barbagallo, M.Frattini, A.Cortellini, P.	Massive hematuria after transurethral resection of the prostate: Management by intra-arterial embolization	Urologia Internationalis	69(4)		318-320	5
1301	2001	F. M. Thabet, S.Abroug, S.Hattab, N.Harbi, A.	[Medullary arteriovenous malformations in children]	Archives de Pediatrie	8	5	508-11	4

1302	2001	N. M. Lev, S.Rappaport, Z. H.Melamed, E.	Spinal dural arteriovenous fistulae--a diagnostic challenge	Israel Medical Association Journal: Imaj	3	7	492-6	1
1303	2000	J. S. E. DeMeritt, F. F.Esposito, M. P.Rosenberg, G. S.	Relief of benign prostatic hyperplasia-related bladder outlet obstruction after trans arterial polyvinyl alcohol prostate embolization	Journal of Vascular & Interventional Radiology	11	6	767-70	5
1304	1999	C. B. Kelleher, P.	Recent advances. Gynaecology	BMJ	319	7211	689-92	5
1305	1998	Y. N. Suzuki, T.Ishigooka, M.Hashimoto, T.Abe, Y.Sasagawa, I.Kubota, Y.	Pelvic arteriovenous aneurysm caused by transurethral resection of the prostate: successful management by intra-arterial embolization	Urologia Internationalis	60	3	191-3	5
1306	1997	T. A. W. Farrell, M.Hicks, M. E.	Long-term results of transrenal ureteral occlusion with use of Gianturco coils and gelatin sponge pledgets	Journal of Vascular & Interventional Radiology	8	3	449-52	2
1307	1996	A. M. K. Granov, M. I.Tarazov, P. G.Shkol'nik, M. I.Shumskii, I. A.Polikarpov, A. A.Suvorova lu, V.Shmonina, L. S.	[X-ray intravascular surgery in oncologic urology]	Vestnik Rentgenologii i Radiologii		1	Jul-35	2
1308	1995	K. M. Mitsui, H.Yamada, Y.Honda, N.Fukatsu, H.Murata, K.Gushiken, M.Otani, T.Senda, H.	[Two cases of priapism cured by transcatheter embolization of internal pudendal arteries]	Hinyokika Kiyo - Acta Urologica Japonica	41	4	305-8	1
1309	1992	B. G. Cipolla, F.Quemener, V.Leveque, J. M.Moulinoux, J. P.Lobel, B.	[The diagnostic value of erythrocyte polyamines (EPA) in prostatic adenocarcinoma (PA): apropos of 100 patients]	Progres en Urologie	2	1	Jul-50	2
1310	1992	B. G. Cipolla, F.Quemener, V.Leveque, J. M.Moulinoux, J. P.Lobel, B.	The diagnostic value of erythrocyte polyamines (EPA) in prostatic adenocarcinoma (PA): apropos of 100 patients. [French]	Progres en urologie : journal de l'Association francaise d'urologie et de la Societe francaise d'urologie	2(1)		50-57	9
1311	1990	B. C. Li	[Internal iliac artery embolization for the control of severe bladder and prostate haemorrhage]	Chung-Hua Wai Ko Tsa Chih [Chinese Journal of Surgery]	28	4	220-1, 253	5

1312	1990	B. C. Li	Internal iliac artery embolization for the control of severe bladder and prostate haemorrhage. [Chinese]	Zhonghua wai ke za zhi [Chinese journal of surgery]	28(4)		220-221, 253	9
1313	1990	B. V. L. De Groote, P.Maurus, K.Van Biervliet, J. P.Meeus, L.	Embolization of ectopic kidney to control incontinence	Pediatrics	85	2	217-9	5
1314	1988	K. T. Yamaguchi, M.Kitagawa, N.Kotake, T.Yanagi, S.Ito, H.Namiki, T.	[Transperineal polytetrafluoroethylene injection in post-prostatectomy urinary incontinence. A case report]	Nippon Hinyokika Gakkai Zasshi - Japanese Journal of Urology	79	10	1708-11	4
1315	1987	K. K. Nakamura, T.Nakamura, Y.Nakajima, Y.Kobayashi, K.Uchida, T.	PFK inhibition test for cancer detection: clinical applications and mechanisms of PFK inhibition	Cancer Detection & Prevention	10	#####	37-55	1
1316	1986	A. C. O. Kinn, H.Brehmer-Andersson, E.Brundin, J.	Therapeutic ureteral occlusion in advanced pelvic malignant tumors	Journal of Urology	135	1	29-32	2
1317	1982	T. K. M. Lee, R. T.Scharyj, M.Marshall, R. B.	Multiple primary malignant tumors (MPMT): Study of 68 autopsy cases (1963-1980)	Journal of the American Geriatrics Society	30(12)		744-753	2
1318	1982	R. L. B. Gordon, R. A.Shapiro, A.	Transcatheter renal artery embolization in treatment of severe urgency and incontinence in bladder metastases	Urology	19	6	666-8	4
1319	1981	K. M. Wanner, F. J.	[Experience with transrenal ureteral occlusion (author's transl)]	Urologe (Ausg. A)	20	5	265-8	5
1320	1978	R. M. Kuss, J. J.Le Guillou, M.Fourcade, R.Jardin, A. M. E. W. Mitchell, A.	[Embolization of prostatic arteries , a rescue approach in uncontrolled hemorrhage after adenomectomy (proceedings)]	Journal d Urologie et de Nephrologie	84	6	476-80	5
1321	1976	C.Athanasoulis, C. A.Kerr Jr, W. S.Dretler, S. P.	Control of massive prostatic bleeding with angiographic techniques	Journal of Urology	115(6)		692-695	2
1322	1975	T. C. D. Knechtges, B. A.	Cholesterol emboli in transurethral curettings: report of 4 cases	Journal of Urology	114(1)		102-106	2
1323	1953	M. Breton Plandiura	[Iliac artery embolism preventing bleeding in prostatectomy]	Archivos Espanoles de Urologia	9	2	159-63	2
1324	1062	B. S. Lebani, A.Silveira, E.Skaff, M.Almeida, F.	Randomized Controlled Trial Comparing Prostate Artery Embolization Vs Open Prostatectomy: Clinical and Urodynamic Assessment in a One Year Follow Up	Journal of urology	209		Apr-23	10
1325	1061	R. S. Bulto, J.Tovar, G.Salvador Hidalgo, D.Bernardello Ureta, M.Areal Calama, J. J.Agreda Castaneda, F.	Holmium Laser Enucleation of the Prostate (HoLEP) vs. Prostate Artery Embolization (PAE) in the treatment of Lower urinary tract symptoms (NCT04236687): initial results of a Randomized Controlled Trial (RCT)	European urology	81		Mar-22	8

1326			2011 SIR 36th Annual Scientific Meeting - IR Rising: leading Image-Guided Medicine	Journal of vascular and interventional radiology	Vol.22	3	2011-03-26 to 2011-03-31. 36th Annual Scientific Meeting of the Society of Interventional Radiology	7
1327	2023	E. Chung	Penile Glans Necrosis Following Prostatic Artery Embolization for Benign Prostatic Hyperplasia: Case Series and Review of Current Literature	World J Mens Health	41	2	396-402	5
1328	2023	J. Choi, Ji HoonChu, Hee Ho	Transcatheter Arterial Embolization for Palliation of Uterine Body Cancer Bleeding	J Korean Soc Radiol	84	3	606-614	5
1329	2023	T. Bilhim	Prostatic Artery Embolization : An Update	Korean J Radiol	24	4	313-323	5
1330	2022	J. H. M. Jung, K. A.Borofsky, M.Young, S.Golzarian, J.Kim, M. H.Narayan, V. M.Dahm, P.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia		3	3	CD012867	5
1331	2022	R. D. Gil, JaeKim, DoyoungLee Dong, HwanKim Jung, JunLee Jung, Whee	Prostatic Artery Embolization for Lower Urinary Tract Symptoms via Transradial Versus Transfemoral Artery Access: Single-Center Technical Outcomes	Korean Journal of Radio	23	5	548-554	12
1332	2021	B. H. Shin Ng, Eric	A state-of-art review on the preservation of sexual function among various minimally invasive surgical treatments for benign prostatic hyperplasia: Impact on erectile and ejaculatory domains	Investig Clin Urol	62	2	148-158	5
1333	2021	C. M. Lee, Chang HoLee, RangKwon, HoonKim, Chang WonKim, Jin HyeokKim, Jae HunKim, HohyunKim, Seon HeeLee, Chan KyuPark, Chan YongBae, Miju	Traumatic Hemothorax Caused by Thoracic Wall and Intrathoracic Injuries: Clinical Outcomes of Transcatheter Systemic Artery Embolization	J Korean Soc Radiol	82	4	923-935	4

1334	2021	J. V. J. Franco, J. H.Imamura, M.Borofsky, M.Omar, M. I.Escobar Liquitay, C. M.Young, S.Golzarian, J.Veroniki, A. A.Garegnani, L.Dahm, P.	Minimally invasive treatments for benign prostatic hyperplasia: a Cochrane network meta-analysis		7	48		5
1335	2021	J. V. J. Franco, J. H.Imamura, M.Borofsky, M.Omar, M. I.Escobar Liquitay, C. M.Young, S.Golzarian, J.Veroniki, A. A.Garegnani, L.Dahm, P.	Minimally invasive treatments for lower urinary tract symptoms in men with benign prostatic hyperplasia: a network meta-analysis		7	7	CD013656	5
1336	2021	P. M. Dahm, R.McKenzie, L.Jung, J. H.Greer, N.Wilt, T.	Newer Minimally Invasive Treatment Modalities to Treat Lower Urinary Tract Symptoms Attributed to Benign Prostatic Hyperplasia		26	1	72-82	5
1337	2021	J. Choi, Young Moon	A Rare Case of Coil Migration into the Duodenum after Embolization of a Right Colic Artery Pseudoaneurysm	Clin Endosc	54	6	920-923	5
1338	2021	N. Brian Hung Shin, Chung	A state-of-art review on the preservation of sexual function among various minimally invasive surgical treatments for benign prostatic hyperplasia: Impact on erectile and ejaculatory domains	Investigative and Clinica	62	2	148-158	9
1339	2020	J. H. M. Jung, K. A.Borofsky, M.Young, S.Golzarian, J.Reddy, B.Shin, T. Y.Kim, M. H.Narayan, V.Dahm, P.	Prostatic arterial embolization for the treatment of lower urinary tract symptoms in men with benign prostatic hyperplasia		12	1	CD012867	10
1340	2019	박. 황진호	전립선동맥 색전술: 증상이 있는 양성 전립선 비대증 치료	대한영상의학회지	80	4	656-666	5
1341	2019	유. 원광년, 정병화,박재연,김훈희, 김태용,이광원,	BPH(Benign Prostatic Hyperplasia) 환자의 PAE(Prostate artery embolization) 시술에서 Dyna CT 검사를 이용한 Embolization guidance program 의 유용성	대한인터벤션영상기술학	22	1	155-163	12
1342	2019	M. G. K. Shin, K. Y.Han, Y. M.Kim, K. M.Shin, Y. S.	Single-Center Retrospective Study of Preoperative Prostatic Artery Embolization with the Use of Gelatin Sponge: Initial Experience and Influence for Blood Loss in Prostate Surgery		30	5	655-660	4
1343	2019	J. H. H. Jung, E. C.Dahm, P.	Current best evidence for prostatic arterial embolization		29	6	656-658	5
1344	2019	J. H. Hwang, Sang Woo	Prostate Artery Embolization : Treatment of Symptomatic Benign Prostatic Hyperplasia	J Korean Soc Radiol	80	4	656-666	5
1345	2017	S. R. K. Shim, K. J. K.Ko, Y. M.Kim, J. H.	Efficacy and Safety of Prostatic Arterial Embolization : Systematic Review with Meta-Analysis and Meta-Regression	The Journal of urology	197	2	465-479	5

1346	2017	V. J. Narayan, J. H.Dahm, P.	Re: Efficacy and Safety of Prostatic Arterial Embolization : Systematic Review with Meta-Analysis and Meta-Regression: S. R. Shim, K. J. Kanhai, Y. M. Ko and J. H. Kim J Urol 2017;197:465-479		198	1	215-216	5
1347	2017	J. H. P. Hwang, S. W.Chang, I. S.Jung, S. I.Jeon, H. J.Lho, Y. S.Kim, H. G.Paick, S. H.Park, H. K.	Comparison of Nonspherical Polyvinyl Alcohol Particles and Microspheres for Prostatic Arterial Embolization in Patients with Benign Prostatic Hyperplasia		2017	1	8732351	12
1348	2017	J. W. S. Chen, J. H.Tsao, T. F.Ko, H. G.Yoon, H. K.Han, K. C.Thamtorawat, S.Hong, B.	Prostatic Arterial Embolization for Control of Hematuria in Patients with Advanced Prostate Cancer		28	2	295-301	1
1349	2016	J. Y. Park, Nam YeolKim, Jae KyuKim, Hyoung OokKang, Yang JunJung, Hye DooKim, Seoul KeeYoon, Woong G. Moon, SeobNam, Kye	Embolization of Trauma-Associated Pelvic Hemorrhage: Feasibility of Super-Selective Catheterization in Heavily Injured Patients as a Damage Control for Life-Threatening Pelvic Bleeding	J Korean Soc Radiol	74	4	236-244	12
1350	2015	HyunChoi, SeungdoSunwoo, JaegeunRyu, Aeli	Pseudoaneurysm of uterine artery causing intra-abdominal and vaginal bleeding after cervical conization	Obstet Gynecol Sci	58	3	256-259	1
1351	2015	S. Kervancioglu, NazanGelebek Yilmaz, FeyzaSanli, MarufSirikci, Akif	Radiological Findings and Outcomes of Bronchial Artery Embolization in Cryptogenic Hemoptysis	J Korean Med Sci	30	5	591-597	12
1352	2014	S. H. Lee, Ji HyunCheon, JaeyoungJo, Se HeeKim, KihyunJin, Sung JoonSong, Young Goo	A Case of Giant Hemangioma of the Liver Presenting with Fever and Cough	Korean J Med	87	4	505-509	4
1353	2013	곽. 이정규, 김재하,여유미,김상헌, 손장원,윤호주,신동호,박성수,곽현정,	갑상선 유두암 환자에서 발생한 중앙색전증 1예	Annals of geriatric medi	17	3	143-146	1
1354	2013	J. Y. Shim, Seong YunWon, Hye SungLee, Pil RyangKim, Ahm	Conservative multidisciplinary management of placenta percreta following in vitro fertilization	Obstet Gynecol Sci	56	3	194-197	4
1355	2012	최. 이현정, 전의용,한금현,	Superselective Embolization of the Inferior Vesical Artery for the Treatment of Intractable Hematuria from Pelvic Malignancy: Case Report	대한영상의학회지	66	5	421-425	4

1356	2012	D. J. Yun, Hyun JeongChoi, Young ChulYoon, Soo JinOh, Gun SeiLee, Soo JooKim, Hayong	Piriformis Syndrome Following Transarterial Embolization of Bilateral Uterine Arteriovenous Malformation	J Korean Neurol Assoc	30	1	37-41	4
1357	2011	H. S. Shin, Young Hwan	Life-Threatening Hypovolemic Shock after Transrectal Ultrasonography Guided Prostate Biopsy: Treatment with Selective Arterial Embolization	Korean J Androl	29	3	254-257	4
1358	2011	Y. R. Kim, Gyeong SikJeong, Young JuLee, Jeong HeonCho, Dong Hyu	Successful management of abdominal pregnancy implanted on posterior cul-de-sac with postoperative selective transcatheter artery embolization: A case report	Korean J Obstet Gyneco	54	12	812-816	4
1359	2011	S. H. Bae, Dong KyunBaek, Hee JoPark, Sun JuChang, Nam KyuKook, HoonHwang, Tai Ju	Selective embolization of the internal iliac arteries for the treatment of intractable hemorrhage in children with malignancies	Korean J Pediatr	54	4	169-175	1
1360	2010	S. B. Yang, Dong ErkChang, Yun WooKim, Yong JaeHwang, In CheolHan, Hyo SangYoon, Jong HyunLee, Tae Il	Spontaneous Hepatic Rupture Associated with Preeclampsia: Treatment with Hepatic Artery Embolization	J Korean Soc Radiol	63	1	29-32	1
1361	2010	M. J. Cho, Tae HoonKim, Dae YeonKim, Seong ChulKim, In Koo	Treatment of Pulmonary Sequestration with Thoracoscopic Approach	J Korean Assoc Pediatr S	16	2	154-161	5
1362	2009	Y. J. Lee, Hwan JunCha, Won ChulSeo, Jun SeokKim, Hyo CheolShin, Cheong IlShin, Sang Do	Treatment Strategy of Transcatheter Arterial Embolization after Pelvic CT Angiography in Traumatic Pelvic Hemorrhage: A Single Regional Emergency Center's Experience	J Korean Soc Traumatol	22	2	184-192	1
1363	2009	J. Y. Lee, Jong YunLee, Hyang AhLee, Dong HunLee, Seung Koo	Uterine necrosis after partial obstruction of the uterine artery via selective embolization in postpartum hemorrhage: A case report	Korean J Obstet Gyneco	52	5	576-580	4
1364	2008	유. 한경식, 장성구, W. K. Shin, Dong JinKim, Hyun	선택적 동맥 전립선 색전술을 이용한 치명적인 전립선암의 출혈치료	대한비뇨기종양학회지	6	3	138-140	1
1365	2007	MiPark, Sung HoJun, Hyun AhLee, Keun Young	A case of angiography and transarterial embolization in arteriovenous malformation of uterus after a cesarean section episode	Korean J Obstet Gyneco	50	5	801-806	4
1366	2007	H. S. Choi, Yong SeokHwang, Jae CheolLim, Ji HyonKim, Kyung SooYoon, Yup	Renal Artery Embolization of Perirenal Hematoma in Hemorrhagic Fever with Renal Syndrome: A Case Report	Korean J Radiol	8	4	348-350	4

1367	2006	J. B. Choi, Ji HoonKim, Shin HyePark, Seung JunJoe, Hwan SungHan, Hyo SangHwang, In CheolChoi, Kyu YeonYang, Seung Boo	Bilateral Uterine Arterial Embolization for Treatment for Uterine Myoma	Korean J Obstet Gyneco	49	11	2310-2315	1
1368	2006	M. S. Cho, Joon BeomPark, Sung HyukKim, Dae SungKim, Young JooBae, Keum Seok	Indication of Interventional Treatment in Abdominal and Pelvic Trauma	J Korean Surg Soc	71	6	397-403	1
1369	2004	S. W. Lee, Jae HoPark, Won KyuLee, Doo Jin	Transvaginal Expulsion of Intramural Leiomyoma after Uterine Artery Embolization : Case Report	J Korean Radiol Soc	50	3	205-208	4
1370	2004	H. W. Cho	Traumatic Pseudoaneurysm of the Subclavian Artery Causing Pain and Presenting Repetitive Distal Embolization Events: A case report	J Korean Pain Soc	17	2	297-300	4
1371	2003	손. 왕준광, 김진배, 이항락, 김종표, 한동수, 함준수, 이동후, 기춘석, 김영선,	포스터 전시 : 간경변 환자에서 거대 고혈류성 간 혈관종을 통한 간동맥-문맥간 단락에 기인한 반복된 식도정맥류 출혈 1예	Clinical and Molecular H	9	3(S)	101-101	8
1372	2002	G. S. Jung, Ji HoKim, Hyun ChulLee, Sang HeeOh, Kyung SeungHuh, Jin DoJoh, Young DukHur, BangPark, Sangsoo	A New Liquid Embolitic Agent(Embol) for Transcatheter Renal Artery Embolization: An Experimental Study in Rabbit	J Korean Radiol Soc	46	1	17-24	6
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