

Continued Benefit to Rectal Separation for Prostate Radiotherapy: Results of a Phase III Trial

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Novel Absorbable Radiopaque Hydrogel Spacer to Separate the Head of the Pancreas and Duodenum in Radiation Therapy for Pancreatic Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1111-1120.	0.4	44
3	Conventional Versus Hypofractionated Radiation Therapy for Localized or Locally Advanced Prostate Cancer: A Systematic Review and Meta-analysis along with Therapeutic Implications. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 573-589.	0.4	60
4	Rectal protection in prostate stereotactic radiotherapy: a retrospective exploratory analysis of two rectal displacement devices. <i>Journal of Medical Radiation Sciences</i> , 2017, 64, 266-273.	0.8	13
5	Hydrogel spacers in prostate radiotherapy: a promising approach to decrease rectal toxicity. <i>Future Oncology</i> , 2017, 13, 2697-2708.	1.1	8
6	Reducing rectal injury in men receiving prostate cancer radiation therapy: current perspectives. <i>Cancer Management and Research</i> , 2017, Volume 9, 339-350.	0.9	11
7	Use of hydrogel spacer for improved rectal dose-sparing in patients undergoing radical radiotherapy for localized prostate cancer: First Canadian experience. <i>Canadian Urological Association Journal</i> , 2017, 11, 373-5.	0.3	1
10	Reduction of intra-fraction prostate motion " Determining optimal bladder volume and filling for prostate radiotherapy using daily 4D TPUS and CBCT. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2018, 5, 9-15.	0.6	14
11	Patient-reported outcomes after treatment for clinically localized prostate cancer: A systematic review and meta-analysis. <i>Cancer Treatment Reviews</i> , 2018, 66, 23-44.	3.4	38
12	A biodegradable rectal balloon implant to protect the rectum during prostate cancer radiotherapy for a patient with active Crohn's disease. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2018, 6, 1-4.	0.6	5
13	Moderate hypofractionation for prostate cancer: A user's guide. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2018, 62, 232-239.	0.9	11
14	Interventions to reduce acute and late adverse gastrointestinal effects of pelvic radiotherapy for primary pelvic cancers. <i>The Cochrane Library</i> , 2018, 1, CD012529.	1.5	60
15	Placement of an absorbable rectal hydrogel spacer in patients undergoing low-dose-rate brachytherapy with palladium-103. <i>Brachytherapy</i> , 2018, 17, 251-258.	0.2	36
16	Prostate cancer high dose-rate brachytherapy: review of evidence and current perspectives. <i>Expert Review of Medical Devices</i> , 2018, 15, 71-79.	1.4	21
17	Moderately hypofractionated prostate external-beam radiotherapy: an emerging standard. <i>British Journal of Radiology</i> , 2018, 91, 20170807.	1.0	12
18	Finding Value for Protons: The Case of Prostate Cancer?. <i>Seminars in Radiation Oncology</i> , 2018, 28, 131-137.	1.0	4
19	Sexual quality of life following prostate intensity modulated radiation therapy (IMRT) with a rectal/prostate spacer: Secondary analysis of a phase 3 trial. <i>Practical Radiation Oncology</i> , 2018, 8, e7-e15.	1.1	43
20	Bias of Professional Accomplishment: Another Important Concept for the Ethics of Clinical Research. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 297-298.	0.4	0
21	Effects of biodegradable hydrogel spacer injection on contralateral submandibular gland sparing in radiotherapy for head and neck cancers. <i>Radiotherapy and Oncology</i> , 2018, 126, 96-99.	0.3	14

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22	A multi-institutional phase 2 trial of prostate stereotactic body radiation therapy (SBRT) using continuous real-time evaluation of prostate motion with patient-reported quality of life. <i>Practical Radiation Oncology</i> , 2018, 8, 40-47.	1.1	27
23	Efficacy of a rectal spacer with prostate SABR—first UK experience. <i>British Journal of Radiology</i> , 2018, 91, 20170672.	1.0	11
24	Absorbable Hydrogel Spacer Use in Prostate Radiotherapy: A Comprehensive Review of Phase 3 Clinical Trial Published Data. <i>Urology</i> , 2018, 115, 39-44.	0.5	75
25	A Younger Man With Localized Prostate Cancer Asks, “Which Type of Radiation Is Right for Me?” <i>Journal of Clinical Oncology</i> , 2018, 36, 1780-1784.	0.8	1
26	Hypofractionated Radiation Therapy for Localized Prostate Cancer: An ASTRO, ASCO, and AUA Evidence-Based Guideline. <i>Journal of Clinical Oncology</i> , 2018, 36, 3411-3430.	0.8	118
27	Prostate Cancer Radiotherapy: An Evolving Paradigm. <i>Journal of Clinical Oncology</i> , 2018, 36, 2909-2913.	0.8	9
28	The role of radioprotective spacers in clinical practice: a review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 514-524.	1.1	22
29	Stereotactic ablative body radiotherapy in patients with prostate cancer. <i>Translational Andrology and Urology</i> , 2018, 7, 330-340.	0.6	8
30	SpaceOAR to improve dosimetric outcomes for monotherapy high-dose-rate prostate implantation in a patient with ulcerative colitis. <i>Journal of Contemporary Brachytherapy</i> , 2018, 10, 577-582.	0.4	4
31	Advanced Radiation Treatment Planning of Prostate Cancer. , 2018, , .		0
32	A novel model to correlate hydrogel spacer placement, perirectal space creation, and rectum dosimetry in prostate stereotactic body radiotherapy. <i>Radiation Oncology</i> , 2018, 13, 192.	1.2	17
33	Dose Prediction Model for Duodenum Sparing With a Biodegradable Hydrogel Spacer for Pancreatic Cancer Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 651-659.	0.4	16
34	2018: A Spacer Odyssey. <i>BJU International</i> , 2018, 122, 353-354.	1.3	0
35	Intensity-modulated radiotherapy for prostate cancer. <i>Translational Andrology and Urology</i> , 2018, 7, 297-307.	0.6	33
36	Rectal radiation dose-reduction techniques in prostate cancer: a focus on the rectal spacer. <i>Future Oncology</i> , 2018, 14, 2773-2788.	1.1	12
37	Predictive factors of long-term rectal toxicity following permanent iodine-125 prostate brachytherapy with or without supplemental external-beam radiation therapy in 2216 patients. <i>Brachytherapy</i> , 2018, 17, 799-807.	0.2	9
38	Low dose rate prostate brachytherapy. <i>Translational Andrology and Urology</i> , 2018, 7, 341-356.	0.6	30
39	Towards a Clinical Decision Support System for External Beam Radiation Oncology Prostate Cancer Patients: Proton vs. Photon Radiotherapy? A Radiobiological Study of Robustness and Stability. <i>Cancers</i> , 2018, 10, 55.	1.7	5

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40	Red Journal Readers' Top Articles From 2017. International Journal of Radiation Oncology Biology Physics, 2018, 101, 1011-1013.	0.4	0
41	BioPro-RCMI-1505 trial: multicenter study evaluating the use of a biodegradable balloon for the treatment of intermediate risk prostate cancer by intensity modulated radiotherapy; study protocol. BMC Cancer, 2018, 18, 566.	1.1	6
42	Hypofractionated Radiotherapy for Localized Prostate Cancer: When and for Whom?. Current Urology Reports, 2019, 20, 53.	1.0	11
43	Stereotactic body radiotherapy with periprostatic hydrogel spacer for localized prostate cancer: toxicity profile and early oncologic outcomes. Radiation Oncology, 2019, 14, 136.	1.2	36
44	First-In-Human Phase 1 Study of a Nonwoven Fabric Bioabsorbable Spacer for Particle Therapy: Space-Making Particle Therapy (SMPT). Advances in Radiation Oncology, 2019, 4, 729-737.	0.6	29
45	Stereotactic body radiation therapy with optional focal lesion ablative microboost in prostate cancer: Topical review and multicenter consensus. Radiotherapy and Oncology, 2019, 140, 131-142.	0.3	24
46	SBRT for Localized Prostate Cancer: Is it Ready for Take-Off?. International Journal of Radiation Oncology Biology Physics, 2019, 105, 618-620.	0.4	7
47	AprÃ's Mois, Le DÃ©luge PrÃ©parant pour le Coming Data Flood in the MRI-Guided Radiotherapy Era. Frontiers in Oncology, 2019, 9, 983.	1.3	14
48	Late toxicities of prostate cancer radiotherapy with and without hydrogel SpaceAOR insertion. Journal of Medical Imaging and Radiation Oncology, 2019, 63, 836-841.	0.9	19
49	Major Complications and Adverse Events Related to the Injection of the SpaceOAR Hydrogel System Before Radiotherapy for Prostate Cancer: Review of the Manufacturer and User Facility Device Experience Database. Journal of Endourology, 2019, 33, 868-871.	1.1	58
50	Injection of radiopaque hydrogel at time of lumpectomy improves the target definition for adjuvant radiotherapy. Radiotherapy and Oncology, 2019, 131, 8-13.	0.3	9
51	Evaluating the Cost-Effectiveness of Hydrogel Rectal Spacer in Prostate Cancer Radiation Therapy. Practical Radiation Oncology, 2019, 9, e172-e179.	1.1	20
52	Ano-rectal wall dose-surface maps localize the dosimetric benefit of hydrogel rectum spacers in prostate cancer radiotherapy. Clinical and Translational Radiation Oncology, 2019, 14, 17-24.	0.9	11
53	Early Tolerance Outcomes of Stereotactic Hypofractionated Accelerated Radiation Therapy Concomitant with Pelvic Node Irradiation in High-risk Prostate Cancer. Advances in Radiation Oncology, 2019, 4, 337-344.	0.6	13
54	Automatic gas detection in prostate cancer patients during image-guided radiation therapy using a deep convolutional neural network. Physica Medica, 2019, 64, 24-28.	0.4	6
55	Three discipline collaborative radiation therapy (3DCRT) special debate: Equipment development is stifling innovation in radiation oncology. Journal of Applied Clinical Medical Physics, 2019, 20, 6-11.	0.8	2
56	Risk-adapted moderate hypofractionation of prostate cancer. Strahlentherapie Und Onkologie, 2019, 195, 894-901.	1.0	5
57	Quality of life after external beam radiotherapy for localized prostate cancer: Comparison with other modalities. International Journal of Urology, 2019, 26, 950-954.	0.5	17

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58	Updated recommendations of the International Society of Geriatric Oncology on prostate cancer management in older patients. <i>European Journal of Cancer</i> , 2019, 116, 116-136.	1.3	134
59	Improving rectal dosimetry for patients with intermediate and high-risk prostate cancer undergoing combined high-dose-rate brachytherapy and external beam radiotherapy with hydrogel spacer. <i>Journal of Contemporary Brachytherapy</i> , 2019, 11, 8-13.	0.4	18
60	Rectum-spacer related acute toxicity – endoscopy results of 403 prostate cancer patients after implantation of gel or balloon spacers. <i>Radiation Oncology</i> , 2019, 14, 47.	1.2	26
61	Maximizing rectal dose sparing with hydrogel: A retrospective planning study. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 91-98.	0.8	12
62	Reduced motion and improved rectal dosimetry through endorectal immobilization for prostate stereotactic body radiotherapy. <i>British Journal of Radiology</i> , 2019, 92, 20190056.	1.0	15
63	Proton Therapy Delivery and Its Clinical Application in Select Solid Tumor Malignancies. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	5
64	Long-Term Patient-Reported Rectal Bleeding and Bowel-Related Quality of Life After Cs-131 Prostate Brachytherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 622-630.	0.4	12
66	Proton versus photon-based radiation therapy for prostate cancer: emerging evidence and considerations in the era of value-based cancer care. <i>Prostate Cancer and Prostatic Diseases</i> , 2019, 22, 509-521.	2.0	25
67	Hyaluronic gel injection into the vesicovaginal septum for high-dose-rate brachytherapy of uterine cervical cancer: an effective approach for bladder dose reduction. <i>Journal of Contemporary Brachytherapy</i> , 2019, 11, 1-7.	0.4	20
68	Ten-Year Outcomes of Moderately Hypofractionated (70 Gy in 28 fractions) Intensity Modulated Radiation Therapy for Localized Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 325-333.	0.4	23
69	Proton therapy for prostate cancer: A review of the rationale, evidence, and current state. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2019, 37, 628-636.	0.8	20
70	Stereotactic Radiosurgery for Prostate Cancer. , 2019, , .		1
71	The use of hydrogel spacer in men undergoing high-dose prostate cancer radiotherapy: results of a prospective phase 2 clinical trial. <i>World Journal of Urology</i> , 2019, 37, 1111-1116.	1.2	9
72	Evolution of definitive external beam radiation therapy in the treatment of prostate cancer. <i>World Journal of Urology</i> , 2020, 38, 565-591.	1.2	12
73	Assessment of Polyethylene Glycol Hydrogel Spacer and Its Effect on Rectal Radiation Dose in Prostate Cancer Patients Receiving Proton Beam Radiation Therapy. <i>Advances in Radiation Oncology</i> , 2020, 5, 92-100.	0.6	14
74	Early Tolerance and Tumor Control Outcomes with High-dose Ultrahypofractionated Radiation Therapy for Prostate Cancer. <i>European Urology Oncology</i> , 2020, 3, 748-755.	2.6	25
75	Low-dose-rate brachytherapy for prostate cancer: A 15-year experience in Japan. <i>International Journal of Urology</i> , 2020, 27, 17-23.	0.5	17
76	Placement of SpaceOAR hydrogel spacer for prostate cancer patients treated with iodine-125 low-dose-rate brachytherapy. <i>International Journal of Urology</i> , 2020, 27, 60-66.	0.5	23

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77	Hyaluronic acid gel injection in rectovaginal septum reduced incidence of rectal bleeding in brachytherapy for gynecological malignancies. <i>Brachytherapy</i> , 2020, 19, 154-161.	0.2	24
78	Ultrahypofractionation Should be a Standard of Care Option for Intermediate-Risk Prostate Cancer. <i>Clinical Oncology</i> , 2020, 32, 170-174.	0.6	9
79	Editorial Comment to Placement of SpaceOAR hydrogel spacer for prostate cancer patients treated with iodine-125 low-dose-rate brachytherapy. <i>International Journal of Urology</i> , 2020, 27, 66-66.	0.5	0
80	Prostate Cancer Radiotherapy: Increased Biochemical Control and Late Toxicity in Men With Medication Allergies. <i>JNCI Cancer Spectrum</i> , 2020, 4, pkaa081.	1.4	0
81	Planning With Patient-Specific Rectal Sub-Region Constraints Decreases Probability of Toxicity in Prostate Cancer Radiotherapy. <i>Frontiers in Oncology</i> , 2020, 10, 1597.	1.3	4
82	Who Benefits From a Prostate Rectal Spacer? Secondary Analysis of a Phase III Trial. <i>Practical Radiation Oncology</i> , 2020, 10, 186-194.	1.1	13
83	SpaceOAR® hydrogel rectal dose reduction prediction model: a decision support tool. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 15-25.	0.8	4
84	Acute patient-reported bowel quality of life and rectal bleeding with the combination of prostate external beam radiation, low-dose-rate brachytherapy boost, and SpaceOAR. <i>Brachytherapy</i> , 2020, 19, 477-483.	0.2	6
85	Adrenal SBRT: a multi-institutional review of treatment outcomes and toxicity. <i>Clinical and Experimental Metastasis</i> , 2020, 37, 585-592.	1.7	7
86	Proposed Hydrogel-Implant Quality Score and a Matched-Pair Study for Prostate Radiation Therapy. <i>Practical Radiation Oncology</i> , 2020, 10, 202-208.	1.1	7
87	Hypofractionated Prostate Radiation Therapy: Adoption and Dosimetric Adherence Through Clinical Pathways in an Integrated Oncology Network. <i>JCO Oncology Practice</i> , 2021, 17, e537-e547.	1.4	3
88	Current topics in radiotherapy for genitourinary cancers: Consensus statements of the Genitourinary Radiation Oncologists of Canada. <i>Canadian Urological Association Journal</i> , 2020, 14, E588-E593.	0.3	4
89	In regard to "What is the quality of hydrogel spacer insertions? and which patients will benefit? A literature review". <i>Journal of Radiotherapy in Practice</i> , 2020, 19, 403-404.	0.2	1
90	Role of endoscopic ultrasonography guided fiducial marker placement in gastrointestinal cancer. <i>Current Opinion in Gastroenterology</i> , 2020, 36, 402-408.	1.0	3
91	Polyethylene glycol-based hydrogel rectal spacers for prostate brachytherapy: a systematic review with a focus on technique. <i>World Journal of Urology</i> , 2021, 39, 1769-1780.	1.2	18
93	Can radiation-induced lower urinary tract disease be ameliorated in patients treated for pelvic organ cancer: ICIERS 2019?. <i>Neurourology and Urodynamics</i> , 2020, 39, S148-S155.	0.8	6
94	Costs and Complications After a Diagnosis of Prostate Cancer Treated With Time-Efficient Modalities: An Analysis of National Medicare Data. <i>Practical Radiation Oncology</i> , 2020, 10, 282-292.	1.1	5
95	Ablative Radiotherapy in Prostate Cancer: Stereotactic Body Radiotherapy and High Dose Rate Brachytherapy. <i>Cancers</i> , 2020, 12, 3606.	1.7	6

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96	The use of hyperbaric oxygen to treat actinic rectal fistula after SpaceOAR use and radiotherapy for prostate cancer: a case report. <i>BMC Urology</i> , 2020, 20, 196.	0.6	12
97	Radiation Dose to the Rectum With Definitive Radiation Therapy and Hydrogel Spacer Versus Postprostatectomy Radiation Therapy. <i>Advances in Radiation Oncology</i> , 2020, 5, 1225-1231.	0.6	0
98	Implications of local failure on overall prognosis in aggressive prostate cancer. <i>Translational Andrology and Urology</i> , 2020, 9, 1001-1005.	0.6	1
99	Prostatic irradiation-induced sexual dysfunction: a review and multidisciplinary guide to management in the radical radiotherapy era (Part I defining the organ at risk for sexual toxicities). <i>Reports of Practical Oncology and Radiotherapy</i> , 2020, 25, 367-375.	0.3	14
100	Rectal spacing, prostate coverage, and periprocedural outcomes after hydrogel spacer injection during low-dose-rate brachytherapy implantation. <i>Brachytherapy</i> , 2020, 19, 228-233.	0.2	11
101	Comparison of rectal dose reduction by a hydrogel spacer among 3D conformal radiotherapy, volumetric-modulated arc therapy, helical tomotherapy, CyberKnife and proton therapy. <i>Journal of Radiation Research</i> , 2020, 61, 487-493.	0.8	12
102	Association of the Placement of a Perirectal Hydrogel Spacer With the Clinical Outcomes of Men Receiving Radiotherapy for Prostate Cancer. <i>JAMA Network Open</i> , 2020, 3, e208221.	2.8	56
103	Phase I Trial of Weekly Cabazitaxel with Concurrent Intensity Modulated Radiation and Androgen Deprivation Therapy for the Treatment of High-Risk Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 939-947.	0.4	1
104	Stereotactic Ablative Body Radiotherapy for Intermediate- or High-Risk Prostate Cancer. <i>Cancer Journal (Sudbury, Mass.)</i> , 2020, 26, 38-42.	1.0	5
105	Rectal Hydrogel Spacer Improves Late Gastrointestinal Toxicity Compared to Rectal Balloon Immobilization After Proton Beam Radiation Therapy for Localized Prostate Cancer: A Retrospective Observational Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 635-643.	0.4	17
106	Duration-dependent margins for prostate radiotherapy—a practical motion mitigation strategy. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 657-663.	1.0	6
107	What is the quality of hydrogel spacer insertions? and which patients will benefit? A literature review. <i>Journal of Radiotherapy in Practice</i> , 2020, 19, 385-392.	0.2	3
108	Efficacy of a hydrogel spacer in three-dimensional conformal radiation therapy for prostate cancer. <i>Japanese Journal of Clinical Oncology</i> , 2020, 50, 303-309.	0.6	8
109	Patient reported outcomes following proton pencil beam scanning vs. passive scatter/uniform scanning for localized prostate cancer: Secondary analysis of PCG 001-09. <i>Clinical and Translational Radiation Oncology</i> , 2020, 22, 50-54.	0.9	5
110	Long-term follow-up after radiotherapy for prostate cancer with and without rectal hydrogel spacer: a pooled prospective evaluation of bowel-associated quality of life. <i>BJU International</i> , 2020, 126, 367-372.	1.3	16
111	Rates of rectal toxicity in patients treated with high dose rate brachytherapy as monotherapy compared to dose-escalated external beam radiation therapy for localized prostate cancer. <i>Radiotherapy and Oncology</i> , 2020, 147, 123-129.	0.3	10
112	Configuration analysis of the injection position and shape of the gel spacer in gynecologic brachytherapy. <i>Brachytherapy</i> , 2021, 20, 95-103.	0.2	10
113	Outcomes of Hormone-Receptor Positive, HER2-Negative Breast Cancers by Race and Tumor Biological Features. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkaa072.	1.4	14

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114	The impact of a rectal hydrogel spacer on dosimetric and toxicity outcomes among patients undergoing combination therapy with external beam radiotherapy and low-dose-rate brachytherapy. <i>Brachytherapy</i> , 2021, 20, 296-301.	0.2	6
115	Biochemical Control and Toxicity Outcomes of Stereotactic Body Radiation Therapy Versus Low-Dose-Rate Brachytherapy in the Treatment of Low- and Intermediate-Risk Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1232-1242.	0.4	9
116	Rectal spacer hydrogel in 1.5T MR-guided and daily adapted SBRT for prostate cancer: dosimetric analysis and preliminary patient-reported outcomes. <i>British Journal of Radiology</i> , 2021, 94, 20200848.	1.0	28
117	It's All the RAVE: Time to Give up on the "Chronic Radiation Proctitis" Misnomer. <i>Gastroenterology</i> , 2021, 160, 635-638.	0.6	17
118	Utilization of Iodinated SpaceOAR Vue ² During Robotic Prostate Stereotactic Body Radiation Therapy (SBRT) to Identify the Rectal-Prostate Interface and Spare the Rectum: A Case Report. <i>Frontiers in Oncology</i> , 2020, 10, 607698.	1.3	7
119	Employing hydrogels in tissue engineering approaches to boost conventional cancer-based research and therapies. <i>RSC Advances</i> , 2021, 11, 10646-10669.	1.7	9
120	The efficacy and tolerability of ultra-hypofractionated radiotherapy in low-intermediate risk prostate cancer patients: single center experience. <i>Aging Male</i> , 2021, 24, 50-57.	0.9	2
121	Strahlentherapie: Organspezifische Komplikationen. , 2021, , 431-451.		0
122	An injectable double-crosslinking iodinated composite hydrogel as a potential radioprotective spacer with durable imaging function. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3346-3356.	2.9	6
123	The Role of Radiation Therapy in the Older Patient. <i>Current Oncology Reports</i> , 2021, 23, 11.	1.8	7
124	Considering benefit and risk before routinely recommending SpaceOAR. <i>Lancet Oncology</i> , The, 2021, 22, 11-13.	5.1	23
125	Strategies to Minimize Late Effects From Pelvic Radiotherapy. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2021, 41, 158-168.	1.8	6
126	High-dose-rate brachytherapy with external beam radiotherapy versus low-dose-rate brachytherapy with or without external beam radiotherapy for clinically localized prostate cancer. <i>Scientific Reports</i> , 2021, 11, 6165.	1.6	10
127	Personalized Radiation Attenuating Materials for Gastrointestinal Mucosal Protection. <i>Advanced Science</i> , 2021, 8, 2100510.	5.6	3
128	Clinical effects of rectal retractor application in prostate cancer radiotherapy. <i>Medical Journal of the Islamic Republic of Iran</i> , 2021, 35, 69.	0.9	1
129	Dosimetric and clinical outcomes of SpaceOAR in men undergoing external beam radiation therapy for localized prostate cancer: A systematic review. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021, 65, 384-397.	0.9	9
130	MR-Guided Hypofractionated Radiotherapy: Current Emerging Data and Promising Perspectives for Localized Prostate Cancer. <i>Cancers</i> , 2021, 13, 1791.	1.7	21
131	Management of Lower Urinary Tract Symptoms after Prostate Radiation. <i>Current Urology Reports</i> , 2021, 22, 37.	1.0	4

#	ARTICLE	IF	CITATIONS
132	Expanding the Utilization of Rectal Spacer Hydrogel for Larger Prostate Glands (>80 cc): Feasibility and Dosimetric Outcomes. <i>Advances in Radiation Oncology</i> , 2021, 6, 100651.	0.6	3
133	Successful Use of Absorbable Hydrogel Rectal Spacers (SpaceOAR) Before Salvage Radiation Therapy After Previous Prostate Cryotherapy. <i>Advances in Radiation Oncology</i> , 2021, 6, 100647.	0.6	3
134	EUSâ€‘guided hydrogel microparticle injection in a cadaveric model. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 83-91.	0.8	10
135	Prostate Stereotactic Body Radiation Therapy: An Overview of Toxicity and Dose Response. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 237-248.	0.4	40
136	Endoscopic Ultrasoundâ€‘Guided Fiducial Placement for Stereotactic Body Radiation Therapy in Pancreatic Malignancy. <i>Clinical Endoscopy</i> , 2021, 54, 314-323.	0.6	8
137	Hydrogel spacer shrinkage during external-beam radiation therapy following low-dose-rate brachytherapy for high-risk prostate cancer: a case series. <i>Journal of Medical Case Reports</i> , 2021, 15, 296.	0.4	0
138	Rectal spacers in patients with prostate cancer undergoing radiotherapy: A survey of UK uroâ€‘oncologists. <i>International Journal of Clinical Practice</i> , 2021, 75, e14338.	0.8	1
140	SpaceOAR Hydrogel Spacer for Reducing Radiation Toxicity During Radiotherapy for Prostate Cancer. A Systematic Review. <i>Urology</i> , 2021, 156, e74-e85.	0.5	34
141	Salvage re-irradiation using stereotactic body radiation therapy for locally recurrent prostate cancer: the impact of castration sensitivity on treatment outcomes. <i>Radiation Oncology</i> , 2021, 16, 114.	1.2	8
142	Phase II study of stereotactic body radiotherapy with hydrogel spacer for prostate cancer: acute toxicity and propensity score-matched comparison. <i>Radiation Oncology</i> , 2021, 16, 107.	1.2	6
143	FEMOSSA : Patientâ€‘specific finite element simulation of the prostateâ€‘rectum spacer placement, a predictive model for prostate cancer radiotherapy. <i>Medical Physics</i> , 2021, 48, 3438-3452.	1.6	10
144	Exploratory Investigation of Dose-Linear Energy Transfer (LET) Volume Histogram (DLVH) for Adverse Events Study in Intensity Modulated Proton Therapy (IMPT). <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 1189-1199.	0.4	15
145	Spacers with boluses applied to various sites of oral squamous cell carcinoma: Technical note and retrospective case series. <i>Molecular and Clinical Oncology</i> , 2021, 15, 187.	0.4	2
146	Reduction of toxicity in brachytherapy using a new technique. <i>Brachytherapy</i> , 2021, 20, 866-872.	0.2	1
147	Hydrogel Spacer Rectal Wall Infiltration Associated With Severe Rectal Injury and Related Complications After Dose Intensified Prostate Cancer Stereotactic Ablative Radiation Therapy. <i>Advances in Radiation Oncology</i> , 2021, 6, 100713.	0.6	14
148	Cost-effectiveness of SpaceOAR system during prostate cancer radiation therapy: Really helpful or excess of expectations?. <i>Brachytherapy</i> , 2021, 20, 1341-1342.	0.2	2
149	Quality of Life After Prostate Cancer Treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 727-730.	0.4	3
150	In Regard to Parry etâ€‘al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 912-913.	0.4	1

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151	Patient-Reported Quality of Life During Prostate Cancer Radiation Therapy: Insights Into the Patient Experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 1129-1131.	0.4	0
152	Pitfalls in Prostate MRI Interpretation: A Pictorial Review. <i>Seminars in Roentgenology</i> , 2021, 56, 391-405.	0.2	1
153	Use of a Biodegradable, Contrast-Filled Rectal Spacer Balloon in Intensity-Modulated Radiotherapy for Intermediate-Risk Prostate Cancer Patients: Dosimetric Gains in the BioPro-RCMI-1505 Study. <i>Frontiers in Oncology</i> , 2021, 11, 701998.	1.3	7
154	Cost-effectiveness analysis of hydrogel spacer for rectal toxicity reduction in prostate external beam radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021, 65, 931-939.	0.9	2
155	Quantifying the impact of SpaceOAR hydrogel on inter-fractional rectal and bladder dose during 0.35 Gy MR-guided prostate adaptive radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 49-58.	0.8	4
156	Prostate hypofractionated radiotherapy (62Gy at 3.1Gy per fraction) with injection of hyaluronic acid: final results of the RPAH1 study. <i>British Journal of Radiology</i> , 2021, 94, 20210242.	1.0	3
157	Extreme Hypofractionation with SBRT in Localized Prostate Cancer. <i>Current Oncology</i> , 2021, 28, 2933-2949.	0.9	6
158	Plan comparison of prostate stereotactic radiotherapy in spacer implant patients. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 280-288.	0.8	2
159	Radiation treatment in prostate cancer: covering the waterfront. <i>BJU International</i> , 2021, 128, 398-407.	1.3	3
160	Impact of Hypofractionated Radiotherapy on Patient-reported Outcomes in Prostate Cancer: Results up to 5 Years in the CHHiP trial (CRUK/06/016). <i>European Urology Oncology</i> , 2021, 4, 980-992.	2.6	14
161	Adverse Features of Rectourethral Fistula Requiring Extirpative Surgery and Permanent Dual Diversion: Our Experience and Recommendations. <i>Journal of Clinical Medicine</i> , 2021, 10, 4014.	1.0	7
162	Focal Prostate Stereotactic Body Radiation Therapy With Correlative Pathological and Radiographic-Based Treatment Planning. <i>Frontiers in Oncology</i> , 2021, 11, 744130.	1.3	2
163	Influence of hydrogel spacer placement with prostate brachytherapy on rectal and urinary toxicity. <i>BJU International</i> , 2021, , .	1.3	1
164	Early outcomes of high-dose-rate brachytherapy combined with ultra-hypofractionated radiation in higher-risk prostate cancer. <i>Brachytherapy</i> , 2021, 20, 1099-1106.	0.2	3
165	A Multi-Institutional Phase 2 Trial of High-Dose SABR for Prostate Cancer Using Rectal Spacer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 101-109.	0.4	19
166	Radiation therapy for prostate cancer: What's the best in 2021. <i>Urologia</i> , 2022, 89, 5-15.	0.3	4
167	Impact of hydrogel peri-rectal spacer insertion on seminal vesicles intrafraction motion during 1.5 Gy T-MRI-guided adaptive stereotactic body radiotherapy for localized prostate cancer. <i>British Journal of Radiology</i> , 2021, 94, 20210521.	1.0	3
168	Effect of the timing of hydrogel spacer placement on prostate and rectal dosimetry of low-dose-rate brachytherapy implants. <i>Journal of Contemporary Brachytherapy</i> , 2021, 13, 145-151.	0.4	5

#	ARTICLE	IF	CITATIONS
169	Distribution analysis of hydrogel spacer and evaluation of rectal dose reduction in Japanese prostate cancer patients undergoing stereotactic body radiation therapy. <i>International Journal of Clinical Oncology</i> , 2021, 26, 736-743.	1.0	4
170	Effectiveness of rectal displacement devices in managing prostate motion: a systematic review. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 97-115.	1.0	19
171	Quality of Life After Radiation Therapy for Prostate Cancer With a Hydrogel Spacer: 5-Year Results. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 374-377.	0.4	34
172	Case series illustrating the synergistic use of hydrogel spacer and MR-guidance to increase the radiotherapeutic index for localized prostate cancer. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2019, 11, 22-25.	0.6	2
173	Hydrogel Spacer Reduces Rectal Dose during Proton Therapy for Prostate Cancer: A Dosimetric Analysis. <i>International Journal of Particle Therapy</i> , 2019, 5, 23-31.	0.9	8
174	Stereotactic body radiation therapy for prostate cancer: systematic review and meta-analysis of prospective trials. <i>Oncotarget</i> , 2019, 10, 5660-5668.	0.8	11
175	Minimal Rectal Toxicity in the Setting of Comorbid Crohn's Disease Following Prostate Cancer Radiotherapy with a Hydrogel Rectal Spacer. <i>Cureus</i> , 2017, 9, e1533.	0.2	2
176	Prostate Brachytherapy: Clinical Efficacy and Future Trends. , 2019, , 137-146.		0
177	Imaging and Anatomic Considerations for Prostate and Pelvic Organs Contouring. , 2019, , 55-73.		0
179	Dose Escalation for Prostate Cancer Using Oligofractionated, Stereotactic Ablative Radiotherapy. , 2019, , 183-196.		0
180	Overview of Toxicity Outcomes with Prostate SBRT and Comparison to Other Treatment Interventions (Urinary, Rectal and Sexual Outcomes). , 2019, , 111-127.		0
181	Quality of Life Outcomes After SBRT. , 2019, , 129-139.		0
182	Techniques for Reducing Toxicity After SBRT. , 2019, , 141-151.		0
183	SABr for Primary Prostate Cancer. , 2019, , 289-305.		0
184	Back to the XXIII Russian oncology congress: will radiotherapy soon become entirely the proton one?. <i>Malignant Tumours</i> , 2020, 9, 5-17.	0.1	0
185	Acute toxicities after extremely hypofractionated radiotherapy for prostate cancer: lessons from HYPO-RT-PC and PACE-B. <i>Translational Cancer Research</i> , 2020, 9, 4469-4472.	0.4	2
186	Feasibility of Same-Day Prostate Fiducial Markers, Perirectal Hydrogel Spacer Placement, and Computed Tomography and Magnetic Resonance Imaging Simulation for External Beam Radiation Therapy for Low-Risk and Intermediate-Risk Prostate Cancer. <i>Practical Radiation Oncology</i> , 2022, 12, e117-e122.	1.1	5
187	The Feasibility of Haar Feature-Based Endoscopic Ultrasound Probe Tracking for Implanting Hydrogel Spacer in Radiation Therapy for Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 759811.	1.3	8

#	ARTICLE	IF	CITATIONS
188	Simulation of an HDR "Boost" with Stereotactic Proton versus Photon Therapy in Prostate Cancer: A Dosimetric Feasibility Study. <i>International Journal of Particle Therapy</i> , 2021, 7, 11-23.	0.9	0
189	Time-Driven Activity-Based Costing of CT-Guided vs MR-Guided Prostate SBRT. <i>Applied Radiation Oncology</i> , 2021, 10, 33-40.	0.5	0
190	Separation Effect and Development of Implantation Technique of Hydrogel Spacer for Prostate Cancers. <i>Practical Radiation Oncology</i> , 2022, 12, 226-235.	1.1	5
192	Simulation study using the spots deletion technique in spot scanning proton beam therapy for prostate cancers. <i>Molecular and Clinical Oncology</i> , 2021, 16, 25.	0.4	0
193	Impact of hydrogel and hyaluronic acid rectal spacer on rectal dosimetry and toxicity in low-dose-rate prostate brachytherapy: a multi-institutional analysis of patients' outcomes. <i>Journal of Contemporary Brachytherapy</i> , 2021, 13, 605-614.	0.4	4
194	Concurrent placement of SpaceOAR gel and gold fiducials during HoLEP: a case report. <i>Therapeutic Advances in Urology</i> , 2022, 14, 175628722110726.	0.9	0
195	Rectal sparing in prostate radiotherapy with combination-brachytherapy and hydrogel spacer. <i>Brachytherapy</i> , 2022, 21, 300-307.	0.2	3
196	The minimum required interval between hydrogel spacer injection and treatment planning for stereotactic body radiotherapy for prostate cancer. <i>Practical Radiation Oncology</i> , 2022, , .	1.1	3
197	MRI-Based Radiotherapy Planning to Reduce Rectal Dose in Excess of Tolerance. <i>Prostate Cancer</i> , 2022, 2022, 1-9.	0.4	3
198	Comparison of visibility of iodinated hydrogel and gadolinium-modified hyaluronic acid spacer gels on computed tomography and onboard imaging. <i>Physics and Imaging in Radiation Oncology</i> , 2022, 21, 48-53.	1.2	3
199	An Asian multi-national multi-institutional retrospective study comparing intracavitary versus the hybrid of intracavitary and interstitial brachytherapy for locally advanced uterine cervical carcinoma. <i>Journal of Radiation Research</i> , 2022, 63, 412-427.	0.8	5
200	Simultaneous integrated boost (SIB) to dominant intra-prostatic lesions during extreme hypofractionation for prostate cancer: the impact of rectal spacers. <i>Radiation Oncology</i> , 2022, 17, 38.	1.2	0
201	Natural history of lower urinary tract symptoms among men undergoing stereotactic body radiation therapy for prostate cancer with and without a Rectal Hydrogel Spacer. <i>World Journal of Urology</i> , 2022, 40, 1143-1150.	1.2	3
202	The dosimetric advantages of perirectal hydrogel spacer in men with localized prostate cancer undergoing stereotactic ablative radiotherapy (SABR). <i>Medical Dosimetry</i> , 2022, 47, 173-176.	0.4	2
203	SpaceOAR hydrogel spacer in interstitial brachytherapy for intrapelvic recurrent endometrial cancer. <i>BJR case Reports</i> , 2022, 8, .	0.1	1
204	Rationale for Utilization of Hydrogel Rectal Spacers in Dose Escalated SBRT for the Treatment of Unfavorable Risk Prostate Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 860848.	1.3	3
205	Biological effective dose in analysis of rectal dose in prostate cancer patients who underwent a combination therapy of VMAT and LDR with hydrogel spacer insertion. <i>Journal of Applied Clinical Medical Physics</i> , 2022, , e13584.	0.8	3
206	Prostate Cancer Treatment with Pencil Beam Proton Therapy Using Rectal Spacers sans Endorectal Balloons. <i>International Journal of Particle Therapy</i> , 2022, 9, 28-41.	0.9	0

#	ARTICLE	IF	CITATIONS
207	Five- and seven-year outcomes for image-guided moderately accelerated hypofractionated proton therapy for prostate cancer. <i>Acta Oncologica</i> , 2022, 61, 468-477.	0.8	1
209	Assessment of Proton Beam Therapy Use Among Patients With Newly Diagnosed Cancer in the US, 2004-2018. <i>JAMA Network Open</i> , 2022, 5, e229025.	2.8	8
211	Patient Reported Outcomes for Quality of Life (QOL) By Expanded Prostate Cancer Index (EPIC) on Average 15 Years Post Treatment. <i>Clinical and Translational Radiation Oncology</i> , 2022, , .	0.9	3
212	External beam radiation therapy treatment factors prognostic of biochemical failure free survival: a multi-institutional retrospective study for prostate cancer. <i>Radiotherapy and Oncology</i> , 2022, , .	0.3	1
213	Prostate MRI in Stereotactic Body Radiation Treatment Planning and Delivery for Localized Prostate Cancer. <i>Radiographics</i> , 0, , .	1.4	2
214	Now is it time to implement spacers in cervical cancer brachytherapy?. <i>Journal of Radiation Research</i> , 2022, 63, 696-698.	0.8	7
215	New school technology meets old school technique: Intensity modulated proton therapy and laparoscopic pelvic sling facilitate safe and efficacious treatment of pelvic sarcoma. <i>Advances in Radiation Oncology</i> , 2022, , 101008.	0.6	0
216	Comprehensive review of the use of hydrogel spacers prior to radiation therapy for prostate cancer. <i>BJU International</i> , 2023, 131, 280-287.	1.3	9
217	Delphi study to identify consensus on patient selection for hydrogel rectal spacer use during radiation therapy for prostate cancer in the UK. <i>BMJ Open</i> , 2022, 12, e060506.	0.8	0
218	Dose-escalated radiotherapy to 82 Gy for prostate cancer following insertion of a peri-rectal hydrogel spacer: 3-year outcomes from a phase II trial. <i>Radiation Oncology</i> , 2022, 17, .	1.2	0
219	Expanding access to rectal spacers in the United Kingdom: an examination of current evidence and an early review of data from a single institution. <i>Journal of Radiotherapy in Practice</i> , 0, , 1-5.	0.2	0
220	Variations in Medical Necessity Determinations Across Commercial Insurance Carriers for Prostate Cancer Procedures. <i>International Journal of Radiation Oncology Biology Physics</i> , 2023, 115, 34-38.	0.4	1
221	Faecal incontinence in adults. <i>Nature Reviews Disease Primers</i> , 2022, 8, .	18.1	27
222	Means for Target Volume Delineation and Stabilisation: Fiducial Markers, Balloons and Others. , 2022, , 221-247.		0
223	Application of Hydrogel Spacer SpaceOAR Vue for Prostate Radiotherapy. <i>Tomography</i> , 2022, 8, 2648-2661.	0.8	7
224	Hydrogels for the treatment of radiation-induced skin and mucosa damages: An up-to-date overview. <i>Frontiers in Materials</i> , 0, 9, .	1.2	3
225	MR linac radiation therapy: A real-time personalized approach for prostate cancer. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2023, , 341-365.	0.0	0
226	Clinical Experience and Feasibility of Using 2D-kVimage Online Intervention in the Ultrafractionated Stereotactic Radiation Treatment of Prostate Cancer. <i>Practical Radiation Oncology</i> , 2023, 13, e308-e318.	1.1	0

#	ARTICLE	IF	CITATIONS
227	Mechanisms, mitigation, and management of urinary toxicity from prostate radiotherapy. <i>Lancet Oncology</i> , The, 2022, 23, e534-e543.	5.1	11
228	Rectal retractor in prostate radiotherapy: pros and cons. <i>Radiation Oncology</i> , 2022, 17, .	1.2	1
229	Hyaluronic acid spacer in prostate cancer radiotherapy: dosimetric effects, spacer stability and long-term toxicity and PRO in a phase II study. <i>Radiation Oncology</i> , 2023, 18, .	1.2	2
230	A novel hydrogel orthotopic injection model in moderately hypofractionated radiation therapy for prostate cancer: Adaptive degradation and durable imaging. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	2
231	Safety of hydrogel spacers for rectal wall protection in patients with prostate cancer: A retrospective analysis of 200 consecutive cases. <i>International Journal of Urology</i> , 2023, 30, 401-407.	0.5	1
232	Quality Metric to Assess Adequacy of Hydrogel Rectal Spacer Placement for Prostate Radiation Therapy and Association of Metric Score With Rectal Toxicity Outcomes. <i>Advances in Radiation Oncology</i> , 2023, 8, 101070.	0.6	1
233	A preliminary study on rectal dose reduction associated with hyaluronic acid implantation in brachytherapy for prostate cancer. <i>Asian Journal of Urology</i> , 2023, , .	0.5	0
234	Toxicity, quality of life, and PSA control after 50 Gy stereotactic body radiation therapy to the dominant intraprostatic nodule with the use of a rectal spacer: results of a phase I/II study. <i>British Journal of Radiology</i> , 2023, 96, .	1.0	2
235	The oncologic and safety outcomes of low-dose-rate brachytherapy for the treatment of prostate cancer. <i>Prostate International</i> , 2023, , .	1.2	0
236	Hyaluronic Acid Spacer for Hypofractionated Prostate Radiation Therapy. <i>JAMA Oncology</i> , 2023, 9, 511.	3.4	20
237	Dosimetric predictors of acute bowel toxicity after Stereotactic Body Radiotherapy (SBRT) in the definitive treatment of localized prostate cancer. <i>Acta Oncologica</i> , 2023, 62, 174-179.	0.8	1
238	Virtual HDR Boost for Prostate Cancer: Rebooting a Classic Treatment Using Modern Tech. <i>Cancers</i> , 2023, 15, 2018.	1.7	1
239	The case of the missing spacer!. <i>Journal of Surgical Case Reports</i> , 2023, 2023, .	0.2	1
253	Device discovery and prototyping. , 2023, , 49-53.		0
265	Other Indications. , 2023, , 215-230.		0