

The Linear-Quadratic Model Is Inappropriate to Model Radiosurgery

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Bioinformatics Methods for Learning Radiation-Induced Lung Inflammation from Heterogeneous Retrospective and Prospective Data. <i>Journal of Biomedicine and Biotechnology</i> , 2009, 2009, 1-14.	3.0	17
2	The linear-quadratic model is inappropriate to model high dose per fraction effects in radiosurgery. <i>Medical Physics</i> , 2009, 36, 3381-3384.	1.6	74
3	Of what use is radiobiological modelling?. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2009, 32, xi-xiv.	1.4	0
4	Critical Organ Preservation in Reirradiation Brachytherapy by Injectable Spacer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 587-594.	0.4	22
5	Stereotactic Body Radiotherapy for Lesions of the Spine and Paraspinal Regions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 1369-1375.	0.4	112
6	A comparison of HDR brachytherapy and IMRT techniques for dose escalation in prostate cancer: A radiobiological modeling study. <i>Medical Physics</i> , 2009, 36, 3995-4006.	1.6	20
7	Intraoperative Radiotherapy as Accelerated Partial Breast Irradiation for Early Breast Cancer. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 651-657.	1.0	38
8	Radiation Doseâ€Volume Effects in the Spinal Cord. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S42-S49.	0.4	445
9	Radiation Doseâ€Volume Effects of Optic Nerves and Chiasm. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S28-S35.	0.4	438
10	Stereotactic radiosurgery for WHO grade I meningiomas. <i>Journal of Neuro-Oncology</i> , 2010, 99, 407-416.	1.4	65
11	Adaptive Management of Cervical Cancer Radiotherapy. <i>Seminars in Radiation Oncology</i> , 2010, 20, 121-129.	1.0	104
12	The Treatment of Early-Stage Disease. <i>Seminars in Radiation Oncology</i> , 2010, 20, 178-185.	1.0	21
13	Intraoperative Radiotherapy as a Boost During Breast-Conserving Surgery Using Low-Kilovoltage X-Rays: The First 5 Years of Experience With a Novel Approach. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 1309-1314.	0.4	71
14	Use of Normal Tissue Complication Probability Models in the Clinic. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, S10-S19.	0.4	1,376
15	Fractionated Stereotactic Radiotherapy as Reirradiation for Locally Recurrent Head and Neck Cancer:		

#	ARTICLE	IF	CITATIONS
19	In Reply to Dr. Yamazaki. International Journal of Radiation Oncology Biology Physics, 2010, 76, 1276-1277.	0.4	0
20	Stereotactic body radiation therapy: The report of AAPM Task Group 101. Medical Physics, 2010, 37, 4078-4101.	1.6	1,616
21	A Generalized Linear-Quadratic Model for Radiosurgery, Stereotactic Body Radiation Therapy, and High-Dose Rate Brachytherapy. Science Translational Medicine, 2010, 2, 39ra48.	5.8	147
22	Cushing's lost cases of ^{226}Ra brachytherapy for gliomas. Journal of Neurosurgery, 2010, 113, 141-148.	0.9	10
23	Cell-survival probability at large doses: an alternative to the linear-quadratic model. Physics in Medicine and Biology, 2010, 55, 4687-4702.	1.6	42
24	Datamining approaches for modeling tumor control probability. Acta Oncologica, 2010, 49, 1363-1373.	0.8	48
25	High doses per fraction and the linear-quadratic model. Radiotherapy and Oncology, 2010, 94, 121-122.	0.3	10
26	Role of the linear-quadratic model in high doses per fraction. Radiotherapy and Oncology, 2010, 94, 122-123.	0.3	3
27	Volumetric modulated arc therapy versus conventional intensity modulated radiation therapy for stereotactic spine radiotherapy: A planning study and early clinical data. Radiotherapy and Oncology, 2010, 94, 224-228.	0.3	70
28	Proton vs carbon ion beams in the definitive radiation treatment of cancer patients. Radiotherapy and Oncology, 2010, 95, 3-22.	0.3	225
29	Dose-rate effects in external beam radiotherapy redux. Radiotherapy and Oncology, 2010, 95, 261-268.	0.3	103
30	Dose-response relationship for radiation-induced pneumonitis after pulmonary stereotactic body radiotherapy. Radiotherapy and Oncology, 2010, 97, 65-70.	0.3	147
31	Emerging applications of stereotactic body radiation therapy for head and neck cancer. Expert Review of Anticancer Therapy, 2011, 11, 1429-1436.	1.1	21
32	Radiobiology of Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy. Medical Radiology, 2011, , 51-61.	0.0	9
33	Radiobiological rationale and clinical implications of hypofractionated radiation therapy. Cancer Radiotherapy: Journal De La Societe Francaise De Radiotherapie Oncologique, 2011, 15, 221-229.	0.6	22
34	Dose-effect relation in stereotactic radiotherapy for brain metastases. A systematic review. Radiotherapy and Oncology, 2011, 98, 292-297.	0.3	151
35	Second re-irradiation: Efficacy, dose and toxicity in patients who received three courses of radiotherapy with overlapping fields. Radiotherapy and Oncology, 2011, 99, 235-239.	0.3	32
36	Compatibility of the Linear-Quadratic Formalism and Biologically Effective Dose Concept to High-Dose-Per-Fraction Irradiation in a Murine Tumor. International Journal of Radiation Oncology Biology Physics, 2011, 81, 1538-1543.	0.4	42

#	ARTICLE	IF	CITATIONS
37	Non-Skull Base Head and Neck Cancer. Medical Radiology, 2011, , 251-265.	0.0	0
38	Use of radiation protraction to escalate biologically effective dose to the treatment target. Medical Physics, 2011, 38, 6553-6560.	1.6	6
39	Stereotactic Radiosurgery of Cranial Nonvestibular Schwannomas: Results of Single- and Multisession Radiosurgery. Neurosurgery, 2011, 68, 1200-1208.	0.6	26
40	Stereotactic Body Radiation Therapy in Non-“Small-Cell Lung Cancer. American Journal of Clinical Oncology: Cancer Clinical Trials, 2011, 34, 432-441.	0.6	13
41	Tumor hypoxia is an important mechanism of radioresistance in hypofractionated radiotherapy and must be considered in the treatment planning process. Medical Physics, 2011, 38, 6347-6350.	1.6	40
42	Intraoperative radiation therapy: is it a standard now?. Breast, 2011, 20, S111-S115.	0.9	19
43	Clinical practice of image-guided spine radiosurgery - results from an international research consortium. Radiation Oncology, 2011, 6, 172.	1.2	43
44	NTCP modelling of lung toxicity after SBRT comparing the universal survival curve and the linear quadratic model for fractionation correction. Acta Oncologica, 2011, 50, 518-527.	0.8	31
45	Tolerance of the Spinal Cord to Stereotactic Radiosurgery: Insights From Hemangioblastomas. International Journal of Radiation Oncology Biology Physics, 2011, 80, 213-220.	0.4	75
46	The Confluence of Stereotactic Ablative Radiotherapy and Tumor Immunology. Clinical and Developmental Immunology, 2011, 2011, 1-7.	3.3	149
47	External Beam Radiotherapy of Recurrent Glioma: Radiation Tolerance of the Human Brain. Cancers, 2012, 4, 379-399.	1.7	56
48	Clinical Outcomes and Dosimetric Considerations Using Stereotactic Body Radiotherapy for Abdominopelvic Tumors. American Journal of Clinical Oncology: Cancer Clinical Trials, 2012, 35, 537-542.	0.6	38
49	Principles of Radiobiology of Stereotactic Radiosurgery and Clinical Applications in the Central Nervous System. Technology in Cancer Research and Treatment, 2012, 11, 3-13.	0.8	52
50	Stereotactic body radiotherapy treatment of extracranial metastases. Nature Reviews Clinical Oncology, 2012, 9, 654-665.	12.5	40
51	Dose-volume effects on brainstem dose tolerance in radiosurgery. Journal of Neurosurgery, 2012, 117, 189-196.	0.9	30
52	Potential increase in biological effectiveness from field timing optimization for stereotactic body radiation therapy. Medical Physics, 2012, 39, 2956-2963.	1.6	3
53	Radiobiological Evaluation of the Radiation Dose as Used in High-precision Radiotherapy: Effect of Prolonged Delivery Time and Applicability of the Linear-quadratic Model. Journal of Radiation Research, 2012, 53, 1-9.	0.8	72
54	Biological effectiveness in hypofractionation: Modeling tumor survival probability for large doses with a stochastic cell-cycle model. Biomedizinische Technik, 2012, 57, .	0.9	2

#	ARTICLE	IF	CITATIONS
55	Graphical representation of the effects on tumor and OAR for determining the appropriate fractionation regimen in radiation therapy planning. <i>Medical Physics</i> , 2012, 39, 6791-6795.	1.6	7
56	Repeated Delayed Onset Cerebellar Radiation Injuries After Linear Accelerator-Based Stereotactic Radiosurgery for Vestibular Schwannoma. <i>Neurologia Medico-Chirurgica</i> , 2012, 52, 933-936.	1.0	4
57	A modified hypoxia-based TCP model to investigate the clinical outcome of stereotactic hypofractionated regimes for early stage non-small-cell lung cancer (NSCLC). <i>Medical Physics</i> , 2012, 39, 4502-4514.	1.6	17
58	Clinical outcomes of single or oligo-fractionated stereotactic radiotherapy for head and neck tumors using micromultileaf collimator-based dynamic conformal arcs. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 1511-1522.	1.2	5
59	Safety and Efficacy of Stereotactic Radiosurgery and Adjuvant Bevacizumab in Patients With Recurrent Malignant Gliomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 2018-2024.	0.4	155
60	Can Drugs Enhance Hypofractionated Radiotherapy? A Novel Method of Modeling Radiosensitization Using InAVitro Data. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 385-393.	0.4	33
61	Formulation of the Multi-Hit Model With a Non-Poisson Distribution of Hits. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1311-1316.	0.4	19
62	Is high-dose stereotactic body radiotherapy (SBRT) for stage I non-small cell lung cancer (NSCLC) overkill? A systematic review. <i>Radiotherapy and Oncology</i> , 2012, 105, 145-149.	0.3	89
63	Radiation-Induced Vascular Damage in Tumors: Implications of Vascular Damage in Ablative Hypofractionated Radiotherapy (SBRT and SRS). <i>Radiation Research</i> , 2012, 177, 311-327.	0.7	438
64	Radiation-induced cardiac damage in early left breast cancer patients: Risk factors, biological mechanisms, radiobiology, and dosimetric constraints. <i>Radiotherapy and Oncology</i> , 2012, 103, 133-142.	0.3	172
65	Monte Carlo modelling of acute and late effects in radiation therapy. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1113-1117.	0.7	1
66	Aggressive local treatment containing intraoperative radiation therapy (IORT) for patients with isolated local recurrences of pancreatic cancer: a retrospective analysis. <i>BMC Cancer</i> , 2012, 12, 295.	1.1	34
67	Re-Irradiation: Outcome, Cumulative Dose and Toxicity in Patients Retreated with Stereotactic Radiotherapy in the Abdominal or Pelvic Region. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 591-597.	0.8	73
69	Stereotactic Conformal Radiotherapy in Non-small Cell Lung Cancer – An Overview. <i>Clinical Oncology</i> , 2012, 24, 556-568.	0.6	10
70	Implementation of Stereotactic Ablative Radiotherapy (Stereotactic Body Radiotherapy). <i>Clinical Oncology</i> , 2012, 24, 627-628.	0.6	3
71	Radiosurgery with photons or protons for benign and malignant tumours of the skull base: a review. <i>Radiation Oncology</i> , 2012, 7, 210.	1.2	53
72	Long-term outcome and toxicity of hypofractionated stereotactic body radiotherapy as a boost treatment for head and neck cancer: the importance of boost volume assessment. <i>Radiation Oncology</i> , 2012, 7, 85.	1.2	27
73	Stereotactic Ablative Radiation Therapy: Role in Treatment of Liver Metastases. <i>Current Colorectal Cancer Reports</i> , 2012, 8, 123-129.	1.0	1

#	ARTICLE	IF	CITATIONS
74	Esophageal tolerance to high-dose stereotactic ablative radiotherapy. <i>Ecological Management and Restoration</i> , 2012, 25, 623-629.	0.2	48
75	Hybrid Cyberknife/IMRT radiotherapy for peri-sellar tumors. <i>Journal of Radiation Oncology</i> , 2013, 2, 169-175.	0.7	0
76	Effect of variable dose rate on biologically effective dose. <i>International Journal of Radiation Biology</i> , 2013, 89, 889-897.	1.0	5
77	The dependence of optimal fractionation schemes on the spatial dose distribution. <i>Physics in Medicine and Biology</i> , 2013, 58, 159-167.	1.6	46
78	Immunologically augmented cancer treatment using modern radiotherapy. <i>Trends in Molecular Medicine</i> , 2013, 19, 565-582.	3.5	91
79	On the biologically effective dose (BED) using convolution for calculating the effects of repair: I. Analytical considerations. <i>Physics in Medicine and Biology</i> , 2013, 58, 1507-1527.	1.6	18
80	Utility of Normal Tissue-to-Tumor $\hat{\alpha}/\hat{\beta}^2$ Ratio When Evaluating Isodoses of Isoeffective Radiation Therapy Treatment Plans. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, e81-e87.	0.4	19
81	Use of the LQ model with large fraction sizes results in underestimation of isoeffect doses. <i>Radiotherapy and Oncology</i> , 2013, 109, 21-25.	0.3	45
82	Using the Radiobiology of Radioresistance and Radiosurgery to Rethink Treatment Approaches for the Treatment of Central Nervous System Metastases. <i>World Neurosurgery</i> , 2013, 79, 437-439.	0.7	0
83	Radiobiology of Stereotactic Body Radiation Therapy/Stereotactic Radiosurgery and the Linear-Quadratic Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 18-19.	0.4	112
84	Effect of radiation protraction on BED in the case of large fraction dose. <i>Medical Physics</i> , 2013, 40, 081716.	1.6	1
85	Hypofractionated External-Beam Radiotherapy for Prostate Cancer. <i>Prostate Cancer</i> , 2013, 2013, 1-11.	0.4	12
86	Stereotactic body radiotherapy in early stage non-small cell lung cancer: First experience from an Indian Centre. <i>Indian Journal of Cancer</i> , 2013, 50, 227.	0.2	6
87	Radiobiology of Radiosurgery for the Central Nervous System. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	32
88	In Silico Analysis of Cell Cycle Synchronisation Effects in Radiotherapy of Tumour Spheroids. <i>PLoS Computational Biology</i> , 2013, 9, e1003295.	1.5	39
89	Radiobiological Framework for the Evaluation of Stereotactic Radiosurgery Plans for Invasive Brain Tumours. <i>ISRN Oncology</i> , 2013, 2013, 1-5.	2.1	1
90	Extracranial Oligometastases: A Subset of Metastases Curable With Stereotactic Radiotherapy. <i>Journal of Clinical Oncology</i> , 2013, 31, 1384-1390.	0.8	177
91	Local disease control for spinal metastases following "separation surgery" and adjuvant hypofractionated or high-dose single-fraction stereotactic radiosurgery: outcome analysis in 186 patients. <i>Journal of Neurosurgery: Spine</i> , 2013, 18, 207-214.	0.9	416

#	ARTICLE	IF	CITATIONS
92	Role of Stereotactic Body Radiation Therapy and Proton/Carbon Nuclei Therapies. Cancer Journal (Sudbury, Mass), 2013, 19, 272-281.	1.0	5
93	A Comparative Analysis of Radiobiological Models for Cell Surviving Fractions at High Doses. Technology in Cancer Research and Treatment, 2013, 12, 183-192.	0.8	38
94	Phase 2 study of pre-excision single-dose intraoperative radiation therapy for early-stage breast cancers. Cancer, 2013, 119, 1736-1743.	2.0	21
98	Radiosurgery and Hypofractionated Stereotactic Irradiation with Photons or Protons for Tumours of the Skull Base. , 0, , .		0
99	Spinal Radiosurgery after Radiation Therapy XRT or Radiosurgery. , 2014, , .		0
100	The Biological Effect of Large Single Doses: A Possible Role for Non-Targeted Effects in Cell Inactivation. PLoS ONE, 2014, 9, e84991.	1.1	26
101	Hypofractionation in Prostate Cancer: Radiobiological Basis and Clinical Appliance. BioMed Research International, 2014, 2014, 1-8.	0.9	17
102	Stereotactic Body Radiation Therapy: Spinal Metastasis. , 2014, , .		1
104	Hypofractionated radiotherapy in prostate cancer: is it the next step?. Expert Review of Anticancer Therapy, 2014, 14, 1271-1276.	1.1	6
105	Impact of dose size in single fraction spatially fractionated (grid) radiotherapy for melanoma. Medical Physics, 2014, 41, 021727.	1.6	24
106	To fractionate or not to fractionate? That is the question for the radiosurgery of hypoxic tumors. Journal of Neurosurgery, 2014, 121, 110-115.	0.9	25
107	Radiation oncology: physics advances that minimize morbidity. Future Oncology, 2014, 10, 2329-2344.	1.1	16
108	The role of stereotactic body radiotherapy and stereotactic radiosurgery in the re-irradiation of metastatic spinal tumors. Expert Review of Anticancer Therapy, 2014, 14, 1141-1152.	1.1	9
109	A Phase II Trial of Stereotactic Ablative Body Radiotherapy for Low-Risk Prostate Cancer Using a Non-Robotic Linear Accelerator and Real-Time Target Tracking: Report of Toxicity, Quality of Life, and Disease Control Outcomes with 5-Year Minimum Follow-Up. Frontiers in Oncology, 2014, 4, 279.	1.3	62
110	Radiotherapy and the Tumor Stroma: The Importance of Dose and Fractionation. Frontiers in Oncology, 2014, 4, 1.	1.3	200
111	Fat necrosis and parenchymal scarring after breast-conserving surgery and radiotherapy with an intraoperative electron or fractionated, percutaneous boost: a retrospective comparison. Breast Cancer, 2014, 21, 409-414.	1.3	10
112	A new index comparable to BED for evaluating the biological efficacy of hypofractionated radiotherapy schemes on early stage non-small cell lung cancer: Analysis of data from the literature. Lung Cancer, 2014, 84, 7-12.	0.9	9
113	Intracranial Stereotactic Radiosurgery in High Risk Patients with Metastases from Radioresistant Primary Tumors. Tumors of the Central Nervous System, 2014, , 163-172.	0.1	0

#	ARTICLE	IF	CITATIONS
114	Tumors of the Central Nervous System, Volume 11. Tumors of the Central Nervous System, 2014, , .	0.1	0
115	A formulation of cell surviving fraction after radiation exposure. Radiological Physics and Technology, 2014, 7, 148-157.	1.0	4
116	Definition of stereotactic body radiotherapy. Strahlentherapie Und Onkologie, 2014, 190, 26-33.	1.0	180
117	Survival of radiation-damaged cells via mechanism of repair by pool molecules: the Lambert function as the exact analytical solution of coupled kinetic equations. Journal of Mathematical Chemistry, 2014, 52, 1201-1252.	0.7	10
118	Repeat stereotactic body radiotherapy for recurrent spinal tumors is feasible with accurate assessment of cumulative spinal cord dose. Journal of Radiation Oncology, 2014, 3, 185-193.	0.7	1
119	Stereotactic body radiotherapy: A critical review for nonradiation oncologists. Cancer, 2014, 120, 942-954.	2.0	70
120	Cerebral cyst formation following stereotactic ablative irradiation for non-nasopharyngeal head and neck malignancies: imaging findings and relevant dosimetric parameters. British Journal of Radiology, 2014, 87, 20140071.	1.0	4
121	Radiation Therapy for Liver Tumors: Ready for Inclusion in Guidelines?. Oncologist, 2014, 19, 868-879.	1.9	64
122	Radiobiological basis of SBRT and SRS. International Journal of Clinical Oncology, 2014, 19, 570-578.	1.0	159
123	Recurrent Malignant Gliomas. Seminars in Radiation Oncology, 2014, 24, 289-298.	1.0	40
124	Survival and tumour control probability in tumours with heterogeneous oxygenation: A comparison between the linear-quadratic and the universal survival curve models for high doses. Acta Oncologica, 2014, 53, 1035-1040.	0.8	21
125	The Tumor Radiobiology of SRS and SBRT: Are More Than the 5 Rs Involved?. International Journal of Radiation Oncology Biology Physics, 2014, 88, 254-262.	0.4	462
127	A modelled comparison of prostate cancer control rates after high-dose-rate brachytherapy (3145) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Oncology, 2014, 111, 114-119.	0.3	13
128	Normal tissue studies in radiation oncology: A systematic review of highly cited articles and citation patterns. Oncology Letters, 2014, 8, 972-976.	0.8	3
130	Biological implications of whole-brain radiotherapy versus stereotactic radiosurgery of multiple brain metastases. Journal of Neurosurgery, 2014, 121, 60-68.	0.9	21
131	Stereotactic Radiosurgery for Spinal Tumors. , 2014, , .		0
132	Optimization of the fractionated irradiation scheme considering physical doses to tumor and organ at risk based on dose-volume histograms. Medical Physics, 2015, 42, 6203-6210.	1.6	14
133	Spine Radiosurgery in the Management of Renal Cell Carcinoma Metastases. Journal of the National Comprehensive Cancer Network: JNCCN, 2015, 13, 801-809.	2.3	15

#	ARTICLE	IF	CITATIONS
134	7 Treatment planning Treatment Planning for Spine Radiosurgery. , 2015, , .		0
135	Minimizing metastatic risk in radiotherapy fractionation schedules. Physics in Medicine and Biology, 2015, 60, N405-N417.	1.6	4
136	Stereotactic Body Radiotherapy with Cyberknife for Cardiac Malignancies. Tumori, 2015, 101, 294-297.	0.6	16
137	Imaging dose affects in vitro survival following subsequent therapeutic irradiation. Biomedical Physics and Engineering Express, 2015, 1, 045016.	0.6	1
138	Optimal weekly scheduling in fractionated radiotherapy: effect of an upper bound on the dose fraction size. Journal of Mathematical Biology, 2015, 71, 361-398.	0.8	6
139	High-dose and fractionation effects in stereotactic radiation therapy: Analysis of tumor control data from 2965 patients. Radiotherapy and Oncology, 2015, 115, 327-334.	0.3	110
140	Differences in rates of radiation-induced true and false rib fractures after stereotactic body radiation therapy for Stage I primary lung cancer. Journal of Radiation Research, 2015, 56, 332-337.	0.8	10
141	Three-dimensional conformal fractionated radiotherapy for spinal schwannoma with a paravertebral or an intraosseous component. Japanese Journal of Radiology, 2015, 33, 757-763.	1.0	2
142	Microbeam radiosurgery: An industrial perspective. Physica Medica, 2015, 31, 601-606.	0.4	15
143	Stereotactic body radiotherapy for head and neck cancer: an addition to the armamentarium against head and neck cancer. Future Oncology, 2015, 11, 2937-2947.	1.1	8
144	4D radiobiological modelling of the interplay effect in conventionally and hypofractionated lung tumour IMRT. British Journal of Radiology, 2015, 88, 20140372.	1.0	5
145	Increasing Radiation Therapy Dose Is Associated With Improved Survival in Patients Undergoing Stereotactic Body Radiation Therapy for Stage I "Small-Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2015, 91, 344-350.	0.4	91
146	Tenascin-C: Exploitation and collateral damage in cancer management. Cell Adhesion and Migration, 2015, 9, 141-153.	1.1	54
147	Stereotactic Body Radiotherapy for Prostate Cancer. Clinical Oncology, 2015, 27, 270-279.	0.6	49
148	Impact of Fractionation and Dose in a Multivariate Model for Radiation-Induced Chest Wall Pain. International Journal of Radiation Oncology Biology Physics, 2015, 93, 418-424.	0.4	20
149	Liver dosimetric evaluation in biologically based stereotactic body radiotherapy for large inoperable hepatocellular carcinoma. Journal of Radiation Oncology, 2015, 4, 177-184.	0.7	2
150	Treatment of Breast and Prostate Cancer by Hypofractionated Radiotherapy: Potential Risks and Benefits. Clinical Oncology, 2015, 27, 420-426.	0.6	44
151	Radiobiological Principles Underlying Stereotactic Radiation Therapy. , 2015, , 57-71.		2

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152	Radiation-induced second primary cancer risks from modern external beam radiotherapy for early prostate cancer: impact of stereotactic ablative radiotherapy (SABR), volumetric modulated arc therapy (VMAT) and flattening filter free (FFF) radiotherapy. <i>Physics in Medicine and Biology</i> , 2015, 60, 1237-1257.	1.6	66
153	Intensity-Modulated Radiation Therapy. , 2015, , .		7
154	Papel actual de la radioterapia en los adenomas de hipÃ³fisis. , 2015, , 199-214.		0
155	A mathematical programming approach to the fractionation problem in chemoradiotherapy. <i>IIE Transactions on Healthcare Systems Engineering</i> , 2015, 5, 55-73.	0.8	6
156	Cancer and Tumor Development: Biomedical Background. <i>Interdisciplinary Applied Mathematics</i> , 2015, , 1-40.	0.2	0
158	Will intrafraction repair have negative consequences on extreme hypofractionation in prostate radiation therapy?. <i>British Journal of Radiology</i> , 2015, 88, 20150588.	1.0	11
160	A Hypothesis: Indirect Cell Death in the Radiosurgery Era. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 11-13.	0.4	40
161	Defining the Optimal Planning Target Volume in Image-Guided Stereotactic Radiosurgery of Brain Metastases: Results of a Randomized Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 100-108.	0.4	135
162	Mechanistic Radiobiological Models for Repair of Cellular Radiation Damage. <i>Advances in Quantum Chemistry</i> , 2015, , 163-263.	0.4	0
163	Stereotactic body radiation therapy for prostate cancer: Rational and reasonable. <i>Practical Radiation Oncology</i> , 2015, 5, 188-192.	1.1	11
164	The biology of radiosurgery and its clinical applications for brain tumors. <i>Neuro-Oncology</i> , 2015, 17, 29-44.	0.6	95
165	The Role of Hypofractionated Radiation Therapy with Photons, Protons, and Heavy Ions for Treating Extracranial Lesions. <i>Frontiers in Oncology</i> , 2015, 5, 302.	1.3	20
166	Big Data Analytics for Prostate Radiotherapy. <i>Frontiers in Oncology</i> , 2016, 6, 149.	1.3	34
167	Radiation therapy for gliomas. , 0, , 49-75.		0
168	FEASIBILITY FOR USING HYPOFRACTIONATED STEREOTACTIC VOLUMETRIC MODULATED ARC RADIOTHERAPY (VMAT) WITH ADAPTIVE PLANNING FOR TREATMENT OF THYMOMA IN RABBITS: 15 CASES. <i>Veterinary Radiology and Ultrasound</i> , 2016, 57, 313-320.	0.4	18
169	Is grid therapy useful for all tumors and every grid block design?. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 206-219.	0.8	19
170	The impact of cobalt-60 source age on biologically effective dose in high-dose functional Gamma Knife radiosurgery. <i>Journal of Neurosurgery</i> , 2016, 125, 154-159.	0.9	13
171	Radiobiology of hypofractionated stereotactic radiotherapy: what are the optimal fractionation schedules?. <i>Journal of Radiation Research</i> , 2016, 57, i76-i82.	0.8	73

#	ARTICLE	IF	CITATIONS
172	RADBIOMOD: A simple program for utilising biological modelling in radiotherapy plan evaluation. <i>Physica Medica</i> , 2016, 32, 248-254.	0.4	18
173	A graphical user interface (GUI) toolkit for the calculation of three-dimensional (3D) multi-phase biological effective dose (BED) distributions including statistical analyses. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 131, 1-12.	2.6	2
174	Planning Target Volume D95 and Mean Dose Should Be Considered for Optimal Local Control for Stereotactic Ablative Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1226-1235.	0.4	56
176	Global existence for a go-or-grow multiscale model for tumor invasion with therapy. <i>Mathematical Models and Methods in Applied Sciences</i> , 2016, 26, 2163-2201.	1.7	35
178	Radiobiological Postulates for the Effectiveness of Radiosurgery. , 2016, , 29-46.		0
179	High-dose hypofractionated radiotherapy is effective and safe for tumors in the head-and-neck. <i>Oral Oncology</i> , 2016, 60, 74-80.	0.8	11
180	Perfusion and Volume Response of Canine Brain Tumors to Stereotactic Radiosurgery and Radiotherapy. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 827-835.	0.6	20
181	Stereotactic ablative radiotherapy for early stage non-small cell lung cancer: A critical literature review of predictive factors of relapse. <i>Cancer Treatment Reviews</i> , 2016, 50, 240-246.	3.4	38
182	A phase II experience evaluating quality of life and survival in linac-based SBRT for prostate cancer. <i>Journal of Radiation Oncology</i> , 2016, 5, 445-451.	0.7	2
184	Time, Dose, and Volume Responses in a Mouse Pulmonary Injury Model Following Ablative Irradiation. <i>Lung</i> , 2016, 194, 81-90.	1.4	13
185	Hypofractionated stereotactic radiotherapy for brain metastases from lung cancer. <i>Strahlentherapie Und Onkologie</i> , 2016, 192, 386-393.	1.0	24
186	Clinical outcome of stereotactic body radiotherapy for primary and oligometastatic lung tumors: a single institutional study with almost uniform dose with different five treatment schedules. <i>Radiation Oncology</i> , 2016, 11, 5.	1.2	16
187	Whole brain radiotherapy with adjuvant or concomitant boost in brain metastasis: dosimetric comparison between helical and volumetric IMRT technique. <i>Radiation Oncology</i> , 2016, 11, 59.	1.2	15
188	High-Dose, Single-Fraction Irradiation Rapidly Reduces Tumor Vasculature and Perfusion in a Xenograft Model of Neuroblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 1173-1180.	0.4	28
189	Local and Global Function Model of the Liver. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 181-188.	0.4	26
190	Image-guided hypofractionated proton beam therapy for low-risk prostate cancer: Analysis of quality of life and toxicity, PCG GU 002. <i>Reports of Practical Oncology and Radiotherapy</i> , 2016, 21, 207-212.	0.3	20
191	Multisession Radiosurgery for Hearing Preservation. <i>Seminars in Radiation Oncology</i> , 2016, 26, 105-111.	1.0	6
192	The Contemporary Role of Stereotactic Radiosurgery in the Treatment of Meningiomas. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 215-228.	0.8	43

#	ARTICLE	IF	CITATIONS
193	Reporting small bowel dose in cervix cancer high-dose-rate brachytherapy. <i>Medical Dosimetry</i> , 2016, 41, 28-33.	0.4	5
194	Lung stereotactic ablative radiotherapy (SABR): dosimetric considerations for chest wall toxicity. <i>British Journal of Radiology</i> , 2016, 89, 20150628.	1.0	15
195	Single-Fraction Helical Tomotherapy for Ameloblastic Carcinoma. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 302-306.	0.5	7
196	The Biological Basis of Radiation Oncology. , 2016, , 2-40.e5.		9
197	Survival, DNA Integrity, and Ultrastructural Damage in Antarctic Cryptoendolithic Eukaryotic Microorganisms Exposed to Ionizing Radiation. <i>Astrobiology</i> , 2017, 17, 126-135.	1.5	40
198	Intraoperative radiation therapy (IORT) in pancreatic cancer. <i>Radiation Oncology</i> , 2017, 12, 8.	1.2	41
199	Dose escalation of Stereotactic Body Radiotherapy (SBRT) for locally advanced unresectable pancreatic cancer patients with CyberKnife: protocol of a phase I study. <i>Radiation Oncology</i> , 2017, 12, 6.	1.2	8
200	Dosimetric and radiobiological comparison of Cyberknife and Tomotherapy in stereotactic body radiotherapy for localized prostate cancer. <i>Journal of X-Ray Science and Technology</i> , 2017, 25, 465-477.	0.7	5
201	Dosimetric and radiobiologic comparison of 103 Pd COMS plaque brachytherapy and Gamma Knife radiosurgery for choroidal melanoma. <i>Brachytherapy</i> , 2017, 16, 433-443.	0.2	8
202	Dose to organ at risk and dose prescription in liver SBRT. <i>Reports of Practical Oncology and Radiotherapy</i> , 2017, 22, 96-102.	0.3	14
203	Spinal cord constraints in the era of high-precision radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2017, 193, 561-569.	1.0	5
204	Spine Stereotactic Body Radiotherapy: Indications, Outcomes, and Points of Caution. <i>Global Spine Journal</i> , 2017, 7, 179-197.	1.2	79
205	The radiosurgery fractionation quandary: single fraction or hypofractionation?. <i>Neuro-Oncology</i> , 2017, 19, ii38-ii49.	0.6	106
206	Reirradiation of the spine with stereotactic radiosurgery: Efficacy and toxicity. <i>Practical Radiation Oncology</i> , 2017, 7, e409-e417.	1.1	21
207	Gallbladder toxicity and high-dose ablative-intent radiation for liver tumors: Should we constrain the dose?. <i>Practical Radiation Oncology</i> , 2017, 7, e323-e329.	1.1	7
208	A Multiscale Modeling Approach to Glioma Invasion with Therapy. <i>Vietnam Journal of Mathematics</i> , 2017, 45, 221-240.	0.4	21
209	Biology of high single doses of IORT: RBE, 5 R ² Ms, and other biological aspects. <i>Radiation Oncology</i> , 2017, 12, 24.	1.2	37
210	The Role of Hypofractionated Radiotherapy in Prostate Cancer. <i>Current Oncology Reports</i> , 2017, 19, 30.	1.8	50

#	ARTICLE	IF	CITATIONS
211	Radiobiology of stereotactic body radiation therapy (SBRT). Reports of Practical Oncology and Radiotherapy, 2017, 22, 86-95.	0.3	52
212	Intraoperative radiation therapy (IORT) in soft-tissue sarcoma. Radiation Oncology, 2017, 12, 20.	1.2	47
213	Equivalence of cell survival data for radiation dose and thermal dose in ablative treatments: analysis applied to essential tremor thalamotomy by focused ultrasound and gamma knife. International Journal of Hyperthermia, 2017, 33, 401-410.	1.1	10
214	Fractionated stereotactic radiation therapy for brain metastases: a systematic review with tumour control probability modelling. British Journal of Radiology, 2017, 90, 20160666.	1.0	25
215	Pelvic re-irradiation using stereotactic ablative radiotherapy (SABR): A systematic review. Radiotherapy and Oncology, 2017, 125, 213-222.	0.3	34
217	Hypofractionated Radiotherapy in Genitourinary Cancer: Better with Less. Medical Radiology, 2017, , 241-256.	0.0	0
218	Stereotactic/hypofractionated body radiation therapy as an effective treatment for lymph node metastases from colorectal cancer: an institutional retrospective analysis. British Journal of Radiology, 2017, 90, 20170422.	1.0	13
219	A hierarchical Bayesian approach to calibrating the linear-quadratic model from clonogenic survival assay data. Radiotherapy and Oncology, 2017, 124, 541-546.	0.3	2
220	A new formalism for modelling parameters α and β of the linear-quadratic model of cell survival for hadron therapy. Physics in Medicine and Biology, 2017, 62, 8041-8059.	1.6	9
221	Radiation Sensitivity of the Liver: Models and Clinical Data. , 2017, , 39-47.		2
222	Hippocampal dose from stereotactic radiosurgery for 4 to 10 brain metastases: Risk factors, feasibility of dose reduction via re-optimization, and patient outcomes. Medical Dosimetry, 2017, 42, 310-316.	0.4	12
223	Microbeam radiation therapy "grid" therapy and beyond: a clinical perspective. British Journal of Radiology, 2017, 90, 20170073.	1.0	65
225	Biological and dosimetric characterisation of spatially fractionated proton minibeam. Physics in Medicine and Biology, 2017, 62, 9260-9281.	1.6	18
226	Technical Note: Dosimetric impact of spherical applicator size in Intrabeam, IORT for treating unicentric breast cancer lesions. Medical Physics, 2017, 44, 6706-6714.	1.6	9
227	Radiogenomics and radiotherapy response modeling. Physics in Medicine and Biology, 2017, 62, R179-R206.	1.6	43
228	Temporal evolution of perfusion parameters in brain metastases treated with stereotactic radiosurgery: comparison of intravoxel incoherent motion and dynamic contrast enhanced MRI. Journal of Neuro-Oncology, 2017, 135, 119-127.	1.4	8
229	Radiosensitivity and relative biological effectiveness based on a generalized target model. Journal of Radiation Research, 2017, 58, 8-16.	0.8	17
230	Stereotactic Body Radiation Therapy (SBRT) or Alternative Fractionation Schedules. Cancer Drug Discovery and Development, 2017, , 171-202.	0.2	0

#	ARTICLE	IF	CITATIONS
231	Tumor control probability modeling for stereotactic body radiation therapy of early-stage lung cancer using multiple bio-physical models. <i>Radiotherapy and Oncology</i> , 2017, 122, 286-294.	0.3	44
232	Increasing the Therapeutic Ratio of Radiotherapy. <i>Cancer Drug Discovery and Development</i> , 2017, , .	0.2	2
233	Radiotherapy for Primary and Metastatic Soft Tissue Sarcomas: Altered Fraction Regimens with External Beam and Brachytherapy. <i>Medical Radiology</i> , 2017, , 307-321.	0.0	0
234	Intraoperative Radiation Therapy: A Promising Treatment Modality in Head and Neck Cancer. <i>Frontiers in Oncology</i> , 2017, 7, 148.	1.3	5
235	Basics of Planning and Management of Patients during Radiation Therapy. , 2018, , .		2
236	Ablative Hypofractionated Radiation Therapy Enhances Non-Small Cell Lung Cancer Cell Killing via Preferential Stimulation of Necroptosis In Vitro and In Vivo. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 49-62.	0.4	33
237	Effect of radiation protraction in hypofractionated radiotherapy. <i>Medical Physics</i> , 2018, 45, 3442-3448.	1.6	4
238	Optimizing Chemoradiotherapy to Target Metastatic Disease and Tumor Growth. <i>INFORMS Journal on Computing</i> , 2018, 30, 259-277.	1.0	1
239	Re-irradiation as salvage treatment in recurrent glioblastoma: A comprehensive literature review to provide practical answers to frequently asked questions. <i>Critical Reviews in Oncology/Hematology</i> , 2018, 126, 80-91.	2.0	42
240	MATLAB®-based fitting method to evaluate survival fractions after multimodal treatment. <i>Clinical and Translational Radiation Oncology</i> , 2018, 10, 36-41.	0.9	5
241	Intraoperative Electron Radiation Therapy in Retroperitoneal Sarcoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 516-527.	0.4	23
242	Comparison of the average surviving fraction model with the integral biologically effective dose model for an optimal irradiation scheme. <i>Journal of Radiation Research</i> , 2018, 59, i32-i39.	0.8	1
243	Stereotactic body radiotherapy for central lung tumors, yes we can!. <i>Radiation Oncology</i> , 2018, 13, 77.	1.2	12
244	Radiation and PD-(L)1 treatment combinations: immune response and dose optimization via a predictive systems model. , 2018, 6, 17.		81
245	A comprehensive model for heat-induced radio-sensitisation. <i>International Journal of Hyperthermia</i> , 2018, 34, 392-402.	1.1	19
246	Radiobiology of Lung Cancer. , 2018, , 330-336.e2.		0
247	Stage I Nonsmall Cell Lung Cancer and Oligometastatic Disease. , 2018, , 342-354.e4.		0
248	Multi-Scale Modeling and Oxygen Impact on Tumor Temporal Evolution: Application on Rectal Cancer During Radiotherapy. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 871-880.	5.4	5

#	ARTICLE	IF	CITATIONS
249	Derivation of mean dose tolerances for new fractionation schemes and treatment modalities. <i>Physics in Medicine and Biology</i> , 2018, 63, 035038.	1.6	4
251	Differential miRNA expression profiling reveals miR-205-3p to be a potential radiosensitizer for low-dose ionizing radiation in DLD-1 cells. <i>Oncotarget</i> , 2018, 9, 26387-26405.	0.8	6
252	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
253	Stereotactic ablative body radiotherapy in patients with prostate cancer. <i>Translational Andrology and Urology</i> , 2018, 7, 330-340.	0.6	8
254	Clinical evidence for dose tolerance of the central nervous system in hypofractionated radiotherapy. <i>Journal of Radiation Oncology</i> , 2018, 7, 293-305.	0.7	2
257	Stereotactic Body Radiation Therapy for Spinal Malignancies. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381880230.	0.8	24
258	The Euler T and Lambert W functions in mechanistic radiobiological models with chemical kinetics for repair of irradiated cells. <i>Journal of Mathematical Chemistry</i> , 2018, 56, 2133-2193.	0.7	12
259	Radiosurgery or hypofractionated stereotactic radiotherapy for brain metastases from radioresistant primaries (melanoma and renal cancer). <i>Radiation Oncology</i> , 2018, 13, 138.	1.2	34
260	Radiobiological Optimization in Lung Stereotactic Body Radiation Therapy: Are We Ready to Apply Radiobiological Models?. <i>Frontiers in Oncology</i> , 2018, 7, 321.	1.3	13
261	Machine Learning and Radiogenomics: Lessons Learned and Future Directions. <i>Frontiers in Oncology</i> , 2018, 8, 228.	1.3	54
262	SBRT for Liver Cancer. <i>Current Cancer Therapy Reviews</i> , 2018, 14, 6-30.	0.2	0
263	Neurologic Complications of Radiation Therapy. <i>Neurologic Clinics</i> , 2018, 36, 599-625.	0.8	18
264	The low dose effects of human mammary epithelial cells induced by internal exposure to low radioactive tritiated water. <i>Toxicology in Vitro</i> , 2019, 61, 104608.	1.1	3
265	Use of 3D biological effective dose (BED) for optimizing multi-target liver cancer treatments. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2019, 42, 711-718.	1.4	0
266	Reoxygenation and Repopulation of Tumor Cells after Ablative Hypofractionated Radiotherapy (SBRT) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	25
267	Stereotactic body radiation therapy for non-small cell lung cancer: A review. <i>World Journal of Clinical Oncology</i> , 2019, 10, 14-27.	0.9	61
268	Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy. , 2019, , .		7
269	Effect of intratumor heterogeneity on BED for hypofractionated dose regimens. <i>Medical Physics</i> , 2019, 46, 4690-4698.	1.6	1

#	ARTICLE	IF	CITATIONS
270	Effect of dose rate in hypofractionated radiotherapy. <i>Physica Medica</i> , 2019, 65, 191-199.	0.4	3
271	Treatment Outcomes and Dose Rate Effects Following Gamma Knife Stereotactic Radiosurgery for Vestibular Schwannomas. <i>Neurosurgery</i> , 2019, 85, E1084-E1094.	0.6	35
272	A Model of Indirect Cell Death Caused by Tumor Vascular Damage after High-Dose Radiotherapy. <i>Cancer Research</i> , 2019, 79, 6044-6053.	0.4	10
273	Radiation dose intensity and local tumour control of non-small cell lung cancer: A radiobiological modelling perspective. <i>Journal of Physics: Conference Series</i> , 2019, 1248, 012071.	0.3	1
274	A Collimator Setting Optimization Algorithm for Dual-Arc Volumetric Modulated Arc Therapy in Pancreas Stereotactic Body Radiation Therapy. <i>Technology in Cancer Research and Treatment</i> , 2019, 18, 153303381987076.	0.8	2
275	Optimal tumour control for early-stage non-small-cell lung cancer: A radiobiological modelling perspective. <i>Physica Medica</i> , 2019, 66, 55-65.	0.4	5
276	Recurrent Radiation Recall Mucosal Toxicity of the Upper Aerodigestive Tract: A Case Report. <i>Advances in Radiation Oncology</i> , 2019, 4, 229-232.	0.6	3
277	Research of Biological Dose Conversion Platform Based on a Modified Linear Quadratic Model. <i>Dose-Response</i> , 2019, 17, 155932581982862.	0.7	0
278	Identifying optimal clinical scenarios for synchrotron microbeam radiation therapy: A treatment planning study. <i>Physica Medica</i> , 2019, 60, 111-119.	0.4	10
279	Clinical outcomes of hypofractionated image-guided multifocal irradiation using volumetric-modulated arc therapy for brain metastases. <i>Journal of Radiation Research</i> , 2019, 60, 134-141.	0.8	5
280	Radiobiological dose calculation parameters for cervix cancer brachytherapy: A systematic review. <i>Brachytherapy</i> , 2019, 18, 546-558.	0.2	4
281	A systematic review of dose-volume predictors and constraints for late bowel toxicity following pelvic radiotherapy. <i>Radiation Oncology</i> , 2019, 14, 57.	1.2	40
282	15 Principles of Radiobiology Relevant to Radiosurgery and Radiotherapy of Sporadic Vestibular Schwannoma. , 2019, , .		0
283	Establishing the Impact of Vascular Damage on Tumor Response to High-Dose Radiation Therapy. <i>Cancer Research</i> , 2019, 79, 5685-5692.	0.4	36
284	RadioGx: A New Preclinical Tool to Model Intrinsic Radiosensitivity. <i>Cancer Research</i> , 2019, 79, 6076-6078.	0.4	1
285	Effect of heterogeneous radiosensitivity on the optimal fractionation in radiotherapy. <i>Physica Medica</i> , 2019, 67, 185-191.	0.4	3
286	8.2.6â€œFractionation in Carbon-Ion Therapy. <i>Radioisotopes</i> , 2019, 68, 723-729.	0.1	0
287	Re-irradiation for recurrent high-grade gliomas: a systematic review and analysis of treatment technique with respect to survival and risk of radionecrosis. <i>Neuro-Oncology Practice</i> , 2019, 6, 144-155.	1.0	22

#	ARTICLE	IF	CITATIONS
288	[¹⁸ F]FDG cardiac PET imaging in a canine model of radiation-induced cardiovascular disease associated with breast cancer radiotherapy. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H586-H595.	1.5	12
289	Stereotactic Radiosurgery for Prostate Cancer. , 2019, , .		1
290	Commentary: Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors. Neurosurgery, 2019, 85, E840-E841.	0.6	0
291	Optimal number and sizes of the doses in fractionated radiotherapy according to the LQ model. Mathematical Medicine and Biology, 2019, 36, 1-53.	0.8	7
292	Evolution of definitive external beam radiation therapy in the treatment of prostate cancer. World Journal of Urology, 2020, 38, 565-591.	1.2	12
293	SBRT combined with concurrent chemoradiation in stage III NSCLC: Feasibility study of the phase I Hybrid trial. Radiotherapy and Oncology, 2020, 142, 224-229.	0.3	7
294	Biologically Effective Dose in Stereotactic Body Radiotherapy and Survival for Patients With Early-Stage NSCLC. Journal of Thoracic Oncology, 2020, 15, 101-109.	0.5	38
295	High-Dose Radiation Increases Notch1 in Tumor Vasculature. International Journal of Radiation Oncology Biology Physics, 2020, 106, 857-866.	0.4	10
296	Long-term outcomes of moderately hypofractionated radiotherapy (67.5 Gy in 25 fractions) for prostate cancer confined to the pelvis: a single center retrospective analysis. Radiation Oncology, 2020, 15, 231.	1.2	4
297	Advances in Radiobiology of Stereotactic Ablative Radiotherapy. Frontiers in Oncology, 2020, 10, 1165.	1.3	34
298	<p>Distinguishing Radiation Pneumonitis from Local Tumour Recurrence Following SBRT for Lung Cancer</p>. Reports in Medical Imaging, 2020, Volume 13, 1-23.	0.8	1
300	Ablative Radiotherapy in Prostate Cancer: Stereotactic Body Radiotherapy and High Dose Rate Brachytherapy. Cancers, 2020, 12, 3606.	1.7	6
301	A simple dosimetric approach to spatially fractionated GRID radiation therapy using the multileaf collimator for treatment of breast cancers in the prone position. Journal of Applied Clinical Medical Physics, 2020, 21, 105-114.	0.8	8
303	Single-fraction radiosurgery versus fractionated stereotactic radiotherapy in patients with brain metastases: a comparative study. Clinical and Experimental Metastasis, 2020, 37, 425-434.	1.7	19
304	Evolving Role of Stereotactic Body Radiation Therapy in the Management of Spine Metastases. Neurosurgery Clinics of North America, 2020, 31, 167-189.	0.8	12
305	Applications of Nonlinear Programming to the Optimization of Fractionated Protocols in Cancer Radiotherapy. Information (Switzerland), 2020, 11, 313.	1.7	3
306	Effect of reoxygenation on hypofractionated radiotherapy of prostate cancer. Medical Physics, 2020, 47, 5383-5391.	1.6	9
307	A mathematical model of dynamics of cell populations in squamous epithelium after irradiation. International Journal of Radiation Biology, 2020, 96, 1165-1172.	1.0	1

#	ARTICLE	IF	CITATIONS
308	Three discipline collaborative radiation therapy (3DCRT) special debate: We should treat all cancer patients with hypofractionation. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 7-14.	0.8	4
309	Voxel based evaluation of sequential radiotherapy treatment plans with different dose fractionation schemes. <i>British Journal of Radiology</i> , 2020, 93, 20200197.	1.0	6
310	Single dose high-dose rate (HDR) brachytherapy (BT) as monotherapy for localised prostate cancer: Early results of a UK national cohort study. <i>Radiotherapy and Oncology</i> , 2020, 143, 95-100.	0.3	19
312	Immunomodulatory Effects of Stereotactic Body Radiation Therapy: Preclinical Insights and Clinical Opportunities. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 35-52.	0.4	54
313	Biological Principles of Stereotactic Body Radiation Therapy (SBRT) and Stereotactic Radiation Surgery (SRS): Indirect Cell Death. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 21-34.	0.4	103
314	Spinal Cord Dose Tolerance to Stereotactic Body Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 124-136.	0.4	105
315	Current status and recent advances in reirradiation of glioblastoma. <i>Radiation Oncology</i> , 2021, 16, 36.	1.2	80
316	Cumulative dose, toxicity, and outcomes of spinal metastases re-irradiation. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 369-384.	1.0	6
317	The biological underpinnings of radiation therapy for vestibular schwannomas: Review of the literature. <i>Laryngoscope Investigative Otolaryngology</i> , 2021, 6, 458-468.	0.6	3
318	Stereotactic Body Radiation Therapy for Spinal Metastases: Tumor Control Probability Analyses and Recommended Reporting Standards. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 112-123.	0.4	25
319	Clinical and dosimetric risk factors for vertebral compression fracture after single-fraction stereotactic body radiation therapy for spine metastases. <i>Journal of Bone Oncology</i> , 2021, 28, 100368.	1.0	1
320	Endocrine therapy with accelerated Partial breast irradiation or exclusive ultra-accelerated Partial breast irradiation for women aged 60 years with Early-stage breast cancer (EPOPE): The rationale for a GEC-ESTRO randomized phase III-controlled trial. <i>Clinical and Translational Radiation Oncology</i> , 2021, 29, 1-8.	0.9	5
321	Current Evidence for Stereotactic Body Radiotherapy in Lung Metastases. <i>Current Oncology</i> , 2021, 28, 2560-2578.	0.9	7
322	Effect of heterogeneous target dose and radiosensitivity on BED and TCP for different treatment regimens. <i>Physics in Medicine and Biology</i> , 2021, 66, 155006.	1.6	1
323	Evaluation of indirect damage and damage saturation effects in dose-response curves of hypofractionated radiotherapy of early-stage NSCLC and brain metastases. <i>Radiotherapy and Oncology</i> , 2021, 161, 1-8.	0.3	4
324	Multi-parametric MRI (mpMRI) for treatment response assessment of radiation therapy. <i>Medical Physics</i> , 2022, 49, 2794-2819.	1.6	3
325	Towards a Reduced <i>In Silico</i> Model Predicting Biochemical Recurrence After Radiotherapy in Prostate Cancer. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2718-2729.	2.5	5
326	Joint Optimization of Photon-Carbon Ion Treatments for Glioblastoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 559-572.	0.4	6

#	ARTICLE	IF	CITATIONS
327	Impact of target dose inhomogeneity on BED and EUD in lung SBRT. Physics in Medicine and Biology, 2021, 66, 01NT02.	1.6	2
328	Therapeutic analysis of Intrabeam-based intraoperative radiation therapy in the treatment of unicentric breast cancer lesions utilizing a spherical target volume model. Journal of Applied Clinical Medical Physics, 2017, 18, 184-194.	0.8	6
329	Hypofractionation. , 2013, , 287-298.		1
330	Some Classes of Stochastic Differential Equations as an Alternative Modeling Approach to Biomedical Problems. Lecture Notes in Mathematics, 2013, , 269-307.	0.1	4
331	Radiobiology of SBRT. , 2015, , 11-25.		1
332	Biologic Basis of Radiation Oncology. , 2012, , 3-42.		5
333	Photon GRID Radiation Therapy: A Physics and Dosimetry White Paper from the Radiosurgery Society (RSS) GRID/LATTICE, Microbeam and FLASH Radiotherapy Working Group. Radiation Research, 2020, 194, 665-677.	0.7	32
334	Outcome evaluation of patients treated with fractionated Gamma Knife radiosurgery for large (> 3 Tj ETQq1 1 0,784314 rgBT /Over 16	0.9	16
335	Stereotactic body radiotherapy for oligo-recurrence within the nodal area from colorectal cancer. World Journal of Gastroenterology, 2014, 20, 2005.	1.4	17
336	Radiobiological mechanisms of stereotactic body radiation therapy and stereotactic radiation surgery. Radiation Oncology Journal, 2015, 33, 265.	0.7	117
337	A unified dose response relationship to predict high dose fractionation response in the lung cancer stereotactic body radiation therapy. Journal of Medical Physics, 2017, 42, 222.	0.1	7
338	Grid block design based on monte carlo simulated dosimetry, the linear quadratic and Hugâ€Kellerer radiobiological models. Journal of Medical Physics, 2017, 42, 213.	0.1	15
339	Comparison of Hypofractionated and Conventional Radiotherapy Protocols in Breast Cancer Patients: A Retrospective Study. Journal of Cancer Science & Therapy, 2012, 04, .	1.7	3
340	Safe and Curative Brachytherapy Reirradiation with Organ-Sparing Hyaluronate Gel Injection. , 0, , .		1
341	Reirradiation with Robotic Stereotactic Body Radiotherapy for Recurrent Nasopharyngeal Carcinoma. Asian Pacific Journal of Cancer Prevention, 2014, 15, 3561-3566.	0.5	21
342	Stereotactic Radiosurgery for Recurrent Glioblastoma Multiforme: A Retrospective Multi-Institutional Experience. Cureus, 2021, 13, e18480.	0.2	8
343	Stereotactic Body Radiation Therapy. , 2010, , 1594-1600.		0
344	Fractionation in Radiobiology: Classical Concepts and Recent Developments. , 2011, , 61-74.		0

#	ARTICLE	IF	CITATIONS
345	Future Directions in Ion Beam Therapy. Biological and Medical Physics Series, 2012, , 703-717.	0.3	0
347	Fractionation and altered fractionation in radiotherapy. , 2012, , 107-128.		0
348	Image-Guided Radiation Therapy for Lung Cancer. , 2013, , 585-606.		0
350	Spinal Cord and Peripheral Nervous System. Medical Radiology, 2014, , 21-48.	0.0	1
351	Basics of Radiation Therapy. , 2014, , 393-422.e3.		1
352	Radiobiology of High Dose Fractions. , 2015, , 67-86.		0
353	Radiobiology for IMRT. , 2015, , 43-57.		2
354	Standardization of Stereotactic Body Radiotherapy for Non-Small Cell Lung Cancer. Japanese Journal of Lung Cancer, 2015, 55, 918-923.	0.0	1
355	Estimation of transition doses for human glioblastoma, neuroblastoma and prostate cell lines using the linear-quadratic formalism. International Journal of Cancer Therapy and Oncology, 2015, 3, 3311.	0.2	0
356	Stereotactic Irradiation. , 2016, , 419-426.e2.		1
357	Tumor vascular conundrum: Hypoxia, ceramide, and biomechanical targeting of tumor vasculature. , 2016, , 9-29.		0
358	Invited perspectives on hypofractionated stereotactic radiosurgery. , 2016, , 1-8.		0
359	The Generation of Quantitative Radiobiology Data. , 2016, , 27-36.		0
360	The Radiosensitivity of Tumor Cells In Vitro versus In Vivo. , 2016, , 103-112.		0
362	The History and Radiobiology of Hypofractionation. , 2018, , 1-31.		0
363	Planning Stereotactic and Adaptive Radiotherapy. , 2018, , 221-240.		0
364	Big Data Approaches to Improve Stereotactic Body Radiation Therapy (SBRT) Outcomes. Advances in Medical Diagnosis, Treatment, and Care, 2018, , 94-113.	0.1	0
365	Vertebral Body Metastasis. , 2018, , 177-188.		0

#	ARTICLE	IF	CITATIONS
366	Dose Escalation for Prostate Cancer Using Oligofractionated, Stereotactic Ablative Radiotherapy. , 2019, , 183-196.		0
367	External Beam Radiotherapy in the Treatment of Painful Bone Metastases. , 2019, , 339-352.		0
368	Fractionated Radiosurgery. , 2019, , 83-90.		0
369	Rationale for Fractionated SRS and Single SRS Session Approaches. , 2019, , 31-40.		0
370	Vascular-Mediated Mechanisms and SRS/SBRT. , 2019, , 3-13.		0
371	Stereotaktik radyocerrahi uygulanan vertebra metastazlarında yanıt değerlendirilmesinde PET-BT TM 'nin yeri. Cukurova Medical Journal, 0, 44, 1-10.	0.1	0
372	Variation of 4% MV X-ray dose rate in fractionated irradiation strongly impacts biological endothelial cell response <i>in vitro</i> . International Journal of Radiation Biology, 2022, 98, 50-59.	1.0	3
373	Brachytherapy: An emblematic example of extreme hypofractionated regimen. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2021, , .	0.6	0
374	Radiobiology of Radiosurgery and Hypofractionated Treatments. , 2020, , 165-184.		0
375	Radiosurgery for Brain Tumors. , 2021, , 335-355.		1
376	Radiobiology of Stereotactic Radiosurgery. , 2020, , 21-30.		0
377	Hypofractionated Stereotactic Radiosurgery (HF-SRS) in the Treatment of Brain Metastases. , 2020, , 329-341.		0
378	Dose Tolerances in Brain Metastasis Management. , 2020, , 281-295.		0
380	Conversión de matrices de dosis en términos de dosis biológica equivalente y dosis equivalente a 2 Gy por sesión. Revista Española De Física Médica, 2021, 2, 11-21.	0.1	0
382	Are three doses of stereotactic ablative radiotherapy (SABR) more effective than 30 doses of conventional radiotherapy?. Translational Lung Cancer Research, 2012, 1, 45-53.	1.3	6
383	Estimating normal tissue toxicity in radiosurgery of the CNS: application and limitations of QUANTEC. Journal of Radiosurgery and SBRT, 2011, 1, 95-107.	0.2	16
384	Overview of dosimetric and biological perspectives on radiosurgery of multiple brain metastases in comparison with whole brain radiotherapy. Journal of Radiosurgery and SBRT, 2015, 3, 271-279.	0.2	1
385	Indirect cell death and the LQ model in SBRT and SRS. Journal of Radiosurgery and SBRT, 2020, 7, 1-4.	0.2	1

#	ARTICLE	IF	CITATIONS
386	An algorithm for thoracic re-irradiation using biologically effective dose: a common language on how to treat in a "no-treat zone". Radiation Oncology, 2022, 17, 4.	1.2	1
387	Treatment Planning Study for Microbeam Radiotherapy Using Clinical Patient Data. Cancers, 2022, 14, 685.	1.7	5
388	Control variable parameterization and optimization method for stochastic linear quadratic models. Chaos, Solitons and Fractals, 2022, 154, 111638.	2.5	4
389	Bevacizumab plus irinotecan with or without gamma knife radiosurgery after failure of concurrent chemo-radiotherapy for high-grade glioma. Journal of Neuro-Oncology, 2022, 156, 541.	1.4	1
390	Three discipline collaborative radiation therapy (3DCRT) special debate: FLASH radiotherapy needs ongoing basic and animal research before implementing it to a large clinical scale. Journal of Applied Clinical Medical Physics, 2022, 23, e13547.	0.8	2
391	Organs at risk radiation dose constraints. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2022, 26, 59-75.	0.6	29
392	Radiotherapy for metastatic nodal disease in colorectal cancer. , 2022, , 273-298.		0
393	A Dosimetric Parameter Reference Look-Up Table for GRID Collimator-Based Spatially Fractionated Radiation Therapy. Cancers, 2022, 14, 1037.	1.7	6
394	Radiobiological and Treatment-Related Aspects of Spatially Fractionated Radiotherapy. International Journal of Molecular Sciences, 2022, 23, 3366.	1.8	15
395	Variability of $\hat{\alpha}/\hat{\beta}^2$ ratios for prostate cancer with the fractionation schedule: caution against using the linear-quadratic model for hypofractionated radiotherapy. Radiation Oncology, 2022, 17, 54.	1.2	4
396	Radiobiology of stereotactic radiotherapy. Reports of Practical Oncology and Radiotherapy, 2022, 27, 57-62.	0.3	5
397	Combined effect of heterogeneous target dose and heterogeneous radiosensitivity on tumor control probability for different fractionation regimens. Physica Medica, 2022, 95, 140-147.	0.4	0
398	Improved cellular automata model shows that indirect apoptotic cell death due to vascular damage enhances the local control of tumors by single fraction high-dose irradiation. Biomedical Physics and Engineering Express, 2022, 8, 015028.	0.6	4
399	Preclinical Model of Stereotactic Ablative Lung Irradiation Using Arc Delivery in the Mouse: Is Fractionation Worthwhile?. Frontiers in Medicine, 2021, 8, 794324.	1.2	0
400	Longitudinal in-vivo quantification of tumour microvascular heterogeneity by optical coherence angiography in pre-clinical radiation therapy. Scientific Reports, 2022, 12, 6140.	1.6	7
403	A Biomathematical Model of Tumor Response to Radioimmunotherapy With $\hat{\alpha}/\hat{\beta}$ PDL1 and $\hat{\alpha}/\hat{\beta}$ CTLA4. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 808-821.	1.9	3
404	Radiation myelopathy following stereotactic body radiation therapy for spine metastases. Journal of Neuro-Oncology, 2022, 159, 23-31.	1.4	7
405	Impact of stereotactic body radiotherapy vs palliative radiotherapy on oncologic outcomes of patients with metastatic kidney cancer concomitantly treated with immune checkpoint inhibitors: a preliminary, multicentre experience. Clinical and Translational Oncology, 2022, 24, 2039-2043.	1.2	5

#	ARTICLE	IF	CITATIONS
406	Evaluation of Biological Effective Dose in Gamma Knife Staged Stereotactic Radiosurgery for Large Brain Metastases. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3
407	HIF-1 α Inhibition Improves Anti-Tumor Immunity and Promotes the Efficacy of Stereotactic Ablative Radiotherapy (SABR). <i>Cancers</i> , 2022, 14, 3273.	1.7	17
408	Stages of stereotactic radiosurgery in the treatment of recurrent glioblastomas. <i>Ukrainian Neurosurgical Journal</i> , 2022, 28, 46-53.	0.1	0
409	Towards personalised dosimetry in patients with liver malignancy treated with 90Y-SIRT using in vivo-driven radiobiological parameters. <i>EJNMMI Physics</i> , 2022, 9, .	1.3	2
410	Microdosimetric investigation for multi-ion therapy by means of silicon on insulator (SOI) microdosimeter. <i>Physics in Medicine and Biology</i> , 2022, 67, 215010.	1.6	3
411	The "Combo" radiotherapy treatment for high-risk grade 2 meningiomas: dose escalation and initial safety and efficacy analysis. <i>Journal of Neuro-Oncology</i> , 0, , .	1.4	5
412	Cellular bases of hypofractionated radiotherapy protocols for lung cancer. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, .	0.3	0
413	Potential benefit of dose-escalated stereotactic body radiation therapy using CyberKnife for early-stage primary lung cancer. <i>Asia-Pacific Journal of Clinical Oncology</i> , 0, , .	0.7	0
414	Stereotactic Body Radiation Therapy (SBRT) Re-irradiation to an Isolated Oligo-Recurrent Lymph Node with Direct Positron Emission Tomography/Computed Tomography Planning: A Case Report. <i>International Journal of Surgery Oncology</i> , 2022, 7, 90-101.	0.2	0
415	Stereotactic Body Radiation Therapy Versus Conventional Radiation Therapy in Pain Relief for Bone Metastases: A Systematic Review and Meta-Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2023, 115, 909-921.	0.4	4
416	Ten-year results of hypofractionated whole breast radiotherapy and intraoperative electron boost in premenopausal women. <i>Radiotherapy and Oncology</i> , 2022, 177, 71-80.	0.3	4
417	Accumulation of sublethal radiation damage and its effect on cell survival. <i>Physics in Medicine and Biology</i> , 2023, 68, 015004.	1.6	1
418	Could conventionally fractionated radiation therapy coupled with stereotactic body radiation therapy improve local control in bone oligometastases?. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , 2023, 27, 1-10.	0.6	1
420	A simple mathematical model of cyclic hypoxia and its impact on hypofractionated radiotherapy. <i>Medical Physics</i> , 2023, 50, 1893-1904.	1.6	1
422	Stereotactic Body Radiation Therapy for Spinal Metastases: Benefits and Limitations. <i>Seminars in Radiation Oncology</i> , 2023, 33, 159-171.	1.0	12
423	Radiation Biology of Lung Cancer. <i>Medical Radiology</i> , 2023, , .	0.0	0
430	Mechanistic, Modeling, and Dosimetric Radiation Biology. , 2023, , 191-236.		0
431	Radiobiology of Stereotactic Ablative Radiation Therapy. , 2023, , 13-34.		0

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