

Timothy E Schultheiss

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78
papers

6,422
citations

47
h-index

80
g-index

80
ext. papers

7,082
ext. citations

2
avg, IF

5.34
L-index

#	Paper	IF	Citations
78	Radiation dose-volume effects in the spinal cord. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S42-9	4	367
77	Dose escalation with 3D conformal treatment: five year outcomes, treatment optimization, and future directions. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 41, 501-10	4	360
76	Late GI and GU complications in the treatment of prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 37, 3-11	4	317
75	A comparison of daily CT localization to a daily ultrasound-based system in prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999 , 43, 719-25	4	214
74	Models in radiotherapy: volume effects. <i>Medical Physics</i> , 1983 , 10, 410-5	4.4	209
73	Radiation-associated kidney injury. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, S108-15	4	189
72	Invited review: permanent radiation myelopathy. <i>British Journal of Radiology</i> , 1992 , 65, 737-53	3.4	169
71	Lateral rectal shielding reduces late rectal morbidity following high dose three-dimensional conformal radiation therapy for clinically localized prostate cancer: further evidence for a significant dose effect. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 35, 251-7	4	164
70	Radiation apoptosis of serous acinar cells of salivary and lacrimal glands. <i>Cancer</i> , 1991 , 67, 1539-43	6.4	156
69	Targeted total marrow irradiation using three-dimensional image-guided tomographic intensity-modulated radiation therapy: an alternative to standard total body irradiation. <i>Biology of Blood and Marrow Transplantation</i> , 2006 , 12, 306-15	4.7	143
68	Conformal technique dose escalation for prostate cancer: biochemical evidence of improved cancer control with higher doses in patients with pretreatment prostate-specific antigen ≥ 10 NG/ML. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 35, 861-8	4	142
67	Apoptosis in Irradiated Murine Tumors. <i>Radiation Research</i> , 1991 , 127, 308	3.1	142
66	Dose selection for prostate cancer patients based on dose comparison and dose response studies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 46, 823-32	4	138
65	Initial clinical assessment of CT-MRI image fusion software in localization of the prostate for 3D conformal radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 38, 319-25	4	133
64	Optimization of conformal radiation treatment of prostate cancer: report of a dose escalation study. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 37, 543-50	4	132
63	Image-guided total-marrow irradiation using helical tomotherapy in patients with multiple myeloma and acute leukemia undergoing hematopoietic cell transplantation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 273-9	4	117
62	Dose response and factors related to interstitial pneumonitis after bone marrow transplant. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 876-84	4	117

61	Image-guided total marrow and total lymphatic irradiation using helical tomotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1259-67	4	114
60	The radiation dose-response of the human spinal cord. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, 1455-9	4	112
59	Incidence of and factors related to late complications in conformal and conventional radiation treatment of cancer of the prostate. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 32, 643-9	4	111
58	The influence of local control on metastatic dissemination of prostate cancer treated by external beam megavoltage radiation therapy. <i>Cancer</i> , 1991 , 68, 2370-7	6.4	111
57	Factors influencing incidence of acute grade 2 morbidity in conformal and standard radiation treatment of prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 31, 25-9	4	110
56	Localized prostate cancer treated by external-beam radiotherapy alone: serum prostate-specific antigen--driven outcome analysis. <i>Journal of Clinical Oncology</i> , 1995 , 13, 464-9	2.2	108
55	Daily CT localization for correcting portal errors in the treatment of prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 41, 1079-86	4	105
54	Actual dose variation of parotid glands and spinal cord for nasopharyngeal cancer patients during radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 70, 1256-62	4	103
53	Ultrasound-based stereotactic guidance of precision conformal external beam radiation therapy in clinically localized prostate cancer. <i>Urology</i> , 2000 , 55, 73-8	1.6	102
52	Chronic rectal bleeding after high-dose conformal treatment of prostate cancer warrants modification of existing morbidity scales. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 38, 59-63	4	100
51	Organ sparing by conformal avoidance intensity-modulated radiation therapy for anal cancer: dosimetric evaluation of coverage of pelvis and inguinal/femoral nodes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 63, 274-81	4	86
50	The role of adjuvant radiation in uterine sarcomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 76, 728-34	4	82
49	Swallowing function in patients with esophageal cancer treated with concurrent radiation and chemotherapy. <i>Cancer</i> , 1993 , 71, 281-6	6.4	82
48	Inter-tumor heterogeneity and radiation dose-control curves. <i>Radiotherapy and Oncology</i> , 1987 , 8, 353-61	3.3	80
47	Conformal treatment of prostate cancer with improved targeting: superior prostate-specific antigen response compared to standard treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 32, 325-30	4	78
46	Rectal bleeding after conformal 3D treatment of prostate cancer: time to occurrence, response to treatment and duration of morbidity. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 39, 77-83	4	76
45	Impact of drug therapy, radiation dose, and dose rate on renal toxicity following bone marrow transplantation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, 1436-43	4	74
44	Malignant phyllodes tumor of the breast: local control rates with surgery alone. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, 710-3	4	68

43	Intra- and interfractional reproducibility of tangential breast fields: a prospective on-line portal imaging study. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 34, 733-40	4	65
42	Point/counterpoint: it is not appropriate to "deform" dose along with deformable image registration in adaptive radiotherapy. <i>Medical Physics</i> , 2012 , 39, 6531-3	4.4	62
41	Pretreatment prostate-specific antigen doubling times: clinical utility of this predictor of prostate cancer behavior. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 34, 549-53	4	62
40	Beam characteristics of a retrofitted double-focused multileaf collimator. <i>Medical Physics</i> , 1998 , 25, 1676-84	4.4	60
39	Pitch, roll, and yaw variations in patient positioning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 66, 949-55	4	59
38	Conformal external beam treatment of prostate cancer. <i>Urology</i> , 1997 , 50, 87-92	1.6	58
37	Dosimetric comparisons of helical tomotherapy treatment plans and step-and-shoot intensity-modulated radiosurgery treatment plans in intracranial stereotactic radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 65, 608-16	4	57
36	Preoperative versus postoperative radiotherapy in soft-tissue sarcoma: multi-institutional analysis of 821 patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, 498-505	4	56
35	Dose escalation of total marrow irradiation with concurrent chemotherapy in patients with advanced acute leukemia undergoing allogeneic hematopoietic cell transplantation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 148-56	4	55
34	Helical tomotherapy for radiotherapy in esophageal cancer: a preferred plan with better conformal target coverage and more homogeneous dose distribution. <i>Medical Dosimetry</i> , 2007 , 32, 166-71	1.3	55
33	Phase I Trial of Total Marrow and Lymphoid Irradiation Transplantation Conditioning in Patients with Relapsed/Refractory Acute Leukemia. <i>Biology of Blood and Marrow Transplantation</i> , 2017 , 23, 618-624	4.7	54
32	Radiotherapy and extent of surgical resection in retroperitoneal soft-tissue sarcoma: multi-institutional analysis of 261 patients. <i>Journal of Surgical Oncology</i> , 2010 , 101, 345-50	2.8	50
31	An explanatory hypothesis for early- and late-effect parameter values in the LQ model. <i>Radiotherapy and Oncology</i> , 1987 , 9, 241-8	5.3	46
30	Models in radiotherapy: definition of decision criteria. <i>Medical Physics</i> , 1985 , 12, 183-7	4.4	46
29	Total marrow irradiation: a new ablative regimen as part of tandem autologous stem cell transplantation for patients with multiple myeloma. <i>Clinical Cancer Research</i> , 2011 , 17, 174-82	12.9	45
28	Setup variations in radiotherapy of esophageal cancer: evaluation by daily megavoltage computed tomographic localization. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 68, 1537-45	4	43
27	Dosimetric comparison of helical tomotherapy treatment and step-and-shoot intensity-modulated radiotherapy of retroperitoneal sarcoma. <i>Radiotherapy and Oncology</i> , 2006 , 81, 81-7	5.3	41
26	Management of adenocarcinoma of the esophagus with chemoradiation alone or chemoradiation followed by esophagectomy: results of sequential nonrandomized phase II studies. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 32, 753-61	4	39

25	Urinary incontinence following external-beam radiotherapy for clinically localized prostate cancer. <i>Urology</i> , 1996 , 48, 95-9	1.6	39
24	Dosimetric study and verification of total body irradiation using helical tomotherapy and its comparison to extended SSD technique. <i>Medical Dosimetry</i> , 2010 , 35, 243-9	1.3	38
23	Effects of dosimetric and clinical uncertainty on complication-free local tumor control. <i>Radiotherapy and Oncology</i> , 1988 , 11, 65-71	5.3	38
22	Acute toxicity in definitive versus postprostatectomy image-guided radiotherapy for prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, 351-7	4	37
21	Study of lung density corrections in a clinical trial (RTOG 88-08). Radiation Therapy Oncology Group. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998 , 41, 787-94	4	34
20	External beam irradiation of prostate cancer. Conformal treatment techniques and outcomes for the 1990. <i>Cancer</i> , 1995 , 75, 1972-1977	6.4	32
19	Effect of increasing radiation dose on pathologic complete response in rectal cancer patients treated with neoadjuvant chemoradiation therapy. <i>Acta Oncologica</i> , 2016 , 55, 1392-1399	3.2	31
18	Impact of the number of resected and involved lymph nodes on esophageal cancer survival. <i>Journal of Surgical Oncology</i> , 2009 , 100, 127-32	2.8	30
17	Patterns-of-failure analysis of patients with high pretreatment prostate-specific antigen levels treated by radiation therapy: the need for improved systemic and locoregional treatment. <i>Journal of Clinical Oncology</i> , 1996 , 14, 1093-7	2.2	29
16	Postoperative radiation therapy for surgically staged endometrial cancer: impact of time factors (overall treatment time and surgery-to-radiation interval) on outcome. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 33, 837-42	4	28
15	Clinical outcomes of patients treated with a second course of stereotactic radiosurgery for locally or regionally recurrent brain metastases after prior stereotactic radiosurgery. <i>Journal of Neuro-Oncology</i> , 2013 , 115, 37-43	4.8	26
14	Normal-tissue toxicities of thoracic radiation therapy: esophagus, lung, and spinal cord as organs at risk. <i>Hematology/Oncology Clinics of North America</i> , 2004 , 18, 131-60, x-xi	3.1	25
13	Patterns of radiation treatment of elderly patients with prostate cancer. <i>Cancer</i> , 1994 , 74, 2174-7	6.4	25
12	A radiation overdose incident: initial data. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 33, 217-24	4	24
11	Residual setup errors and dose variations with less-than-daily image guided patient setup in external beam radiotherapy for esophageal cancer. <i>Radiotherapy and Oncology</i> , 2012 , 102, 309-14	5.3	21
10	Extramedullary relapse following total marrow and lymphoid irradiation in patients undergoing allogeneic hematopoietic cell transplantation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 89, 75-81	4	20
9	The value of setup portal films as an estimate of a patient's position throughout fractionated tangential breast irradiation: an on-line study. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 37, 223-8	4	11
8	Dosimetric study and in-vivo dose verification for conformal avoidance treatment of anal adenocarcinoma using helical tomotherapy. <i>Medical Dosimetry</i> , 2007 , 32, 33-7	1.3	8

7	Do the current subclassifications of stage T3 adenocarcinoma of the prostate have clinical relevance?. <i>Urology</i> , 1995 , 45, 484-9, discussion489-90	1.6	8
6	Treatment outcomes for patients with choroma receiving radiation therapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2014 , 58, 523-7	1.7	7
5	A heuristic approach to edge detection in on-line portal imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995 , 32, 1185-92	4	6
4	Response to "comment on R_t is not appropriate to "deform" dose along with deformable image registration in adaptive radiotherapy R_t [Med. Phys. 39, 6531-6533 (2012)]. <i>Medical Physics</i> , 2013 , 40, 017102	4.4	5
3	Calibration frequency as determined by analysis of machine stability. <i>Medical Physics</i> , 1989 , 16, 84-7	4.4	5
2	Clinical applications of picture archival and communications systems in radiation oncology. <i>Seminars in Radiation Oncology</i> , 1997 , 7, 39-48	5.5	4
1	Distance-to-agreement investigation of Tomotherapy R_t bony anatomy-based autoregistration and planning target volume contour-based optimization. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 862-5	4	2