

Stanford



Scott G. Soltys, MD

Associate Professor of Radiation Oncology (Radiation Therapy) and, by courtesy, of Neurosurgery at the Stanford University Medical Center

Radiation Oncology - Radiation Therapy

CLINICAL OFFICES

- **Radiation Oncology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

CLINICAL FOCUS

- Cancer > Radiation Oncology
- Radiosurgery
- Brain Tumors
- Spinal Tumors
- Trigeminal Neuralgia
- Radiation Oncology

ACADEMIC APPOINTMENTS

- Associate Professor - Med Center Line, Radiation Oncology - Radiation Therapy
- Associate Professor - Med Center Line (By courtesy), Neurosurgery
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Henry Kaplan Memorial Prize for Teaching, Stanford Radiation Oncology (2015)
- Young Investigator Award, International Stereotactic Radiosurgery Society (ISRS) (2009)
- Henry Kaplan Memorial Prize for Teaching, Stanford Radiation Oncology (2007)
- AACR/ASCO Methods in Clinical Cancer Research Workshop Grant, AACR/ASCO (2006)
- Malcolm A. Bagshaw Award, Stanford Radiation Oncology (2004)
- Oncology Fellows Travel Grant, Annenberg Center for Health Sciences (2003)
- RSNA Roentgen Resident Research Award, Radiological Society of North America (2003)
- Alpha Omega Alpha, National Medical Honor Society (1999)
- Bronze Tablet University Honors, University of Illinois (1995)

- Phi Beta Kappa, National Honor Society (1995)

PROFESSIONAL EDUCATION

- Residency: Stanford University Radiation Oncology Residency (2005) CA
- Board Certification: Radiation Oncology, American Board of Radiology (2006)
- Internship: Oakwood Healthcare System (2001) MI
- Medical Education: University of Michigan School of Medicine (2000) MI
- B.S., University of Illinois , Cell and Structural Biology (1995)
- M.D., Univeristy of Michigan , Medicine (2000)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My clinical and research interests focus on the development of new radiation techniques involving stereotactic radiosurgery and radiotherapy for the treatment of malignant and benign tumors of the brain and spine, as well as functional disorders such as trigeminal neuralgia.

CLINICAL TRIALS

- A Study of Patient Reported Outcomes After Stereotactic Radiosurgical Rhizotomy for Trigeminal Neuralgia, Recruiting
- Diffusion Tensor Imaging Magnetic Resonance Imaging (DTI MRI) as a Correlate to Pain Relief and Facial Numbness in Patients Following Stereotactic Radiosurgical Rhizotomy for Trigeminal Neuralgia, Recruiting
- A Study of Amifostine for Prevention of Facial Numbness in Radiosurgery Treatment of Trigeminal Neuralgia, Not Recruiting
- Assessment of Health Related Quality of Life in Patients Treated for Rectal Cancer, Not Recruiting
- Avoiding the Hippocampus During Whole-Brain Radiation Therapy in Treating Patients With Brain Metastases, Not Recruiting
- Image-Guided Radiosurgery or Stereotactic Body Radiation Therapy in Treating Patients With Localized Spine Metastasis, Not Recruiting
- Memantine Hydrochloride and Whole-Brain Radiotherapy With or Without Hippocampal Avoidance in Reducing Neurocognitive Decline in Patients With Brain Metastases, Not Recruiting
- Memantine in Preventing Side Effects in Patients Undergoing Whole-Brain Radiation Therapy for Brain Metastases From Solid Tumors, Not Recruiting
- Observation or Radiation Therapy in Treating Patients With Newly Diagnosed Grade II Meningioma That Has Been Completely Removed by Surgery, Not Recruiting
- P1/2 of Temozolomide and Hypofractionated Radiotherapy in Tx of Supratentorial Glioblastoma Multiform, Not Recruiting
- Phase I Vorinostat Concurrent With Stereotactic Radiosurgery (SRS) in Brain Metastases From Non-Small Cell Lung Cancer, Not Recruiting
- Study of Fractionated Stereotactic Radiosurgery to Treat Large Brain Metastases, Not Recruiting
- Study of REGN2810 (Anti-PD-1) in Patients With Advanced Malignancies, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Michael Binkley, Everett Moding

Publications

PUBLICATIONS

- **Stereotactic radiosurgery in large intracranial meningiomas: a systematic review.** *World neurosurgery*
Fatima, N., Meola, A., Pollom, E., Chaudhary, N., Soltys, S., Chang, S.
2019
- **Facial Nerve Paralysis Occurring 4 Days following Stereotactic Radiosurgery for a Vestibular Schwannoma.** *Asian journal of neurosurgery*
Chow, K. K., Ajlan, A., Ho, A. L., Li, G., Soltys, S. G.
; 14 (1): 262–65
- **The Clinical Impact of VOLO Optimization in CyberKnife Treatment Planning**
Schueler, E., Lo, A., Chuang, C., Soltys, S., Wang, L.
WILEY.2019: E650
- **Adverse Radiation Effect and Disease Control in Patients Undergoing Stereotactic Radiosurgery and Immune Checkpoint Inhibitor Therapy for Brain Metastases** *WORLD NEUROSURGERY*
Koenig, J. L., Shi, S., Sborov, K., Gensheimer, M. F., Le, G., Nagpal, S., Chang, S. D., Gibbs, I. C., Soltys, S. G., Pollom, E. L.
2019; 126: E1399–E1411
- **Osimertinib for EGFR-Mutant Lung Cancer with Brain Metastases: Results from a Single-Center Retrospective Study** *ONCOLOGIST*
Xie, L., Nagpal, S., Wakelee, H. A., Li, G., Soltys, S. G., Neal, J. W.
2019; 24 (6): 836–43
- **Prognostic Factors and Treatment Patterns in the Management of Giant Cell Glioblastoma.** *World neurosurgery*
Jin, M. C., Wu, A., Xiang, M., Azad, T. D., Soltys, S. G., Li, G., Pollom, E. L.
2019
- **Adverse Radiation Effect and Disease Control in Patients Undergoing Stereotactic Radiosurgery and Immune Checkpoint Inhibitor Therapy for Brain Metastases.** *World neurosurgery*
Koenig, J. L., Shi, S., Sborov, K., Gensheimer, M. F., Li, G., Nagpal, S., Chang, S. D., Gibbs, I. C., Soltys, S. G., Pollom, E. L.
2019
- **A Multi-Institutional Analysis of Presentation and Outcomes for Leptomeningeal Disease Recurrence After Surgical Resection and Radiosurgery for Brain Metastases.** *Neuro-oncology*
Prabhu, R. S., Turner, B. E., Asher, A. L., Marcrom, S. R., Fiveash, J. B., Foreman, P. M., Press, R. H., Patel, K. R., Curran, W. J., Breen, W. G., Brown, P. D., Jethwa, K. R., Grills, et al
2019
- **Physiological motion of the optic chiasm and its impact on stereotactic radiosurgery dose.** *The British journal of radiology*
Xiang, M., Chan, C., Wang, L., Jani, K., Holdsworth, S. J., Iv, M., Pollom, E., Soltys, S.
2019: 20190170
- **Stereotactic radiosurgery versus stereotactic radiotherapy in the management of intracranial meningiomas: a systematic review and meta-analysis.** *Neurosurgical focus*
Fatima, N., Meola, A., Pollom, E. L., Soltys, S. G., Chang, S. D.
2019; 46 (6): E2
- **Physiological motion of the optic chiasm and its impact on stereotactic radiosurgery dose** *BRITISH JOURNAL OF RADIOLOGY*
Xiang, M., Chan, C., Wang, L., Jani, K., Holdsworth, S. J., Iv, M., Pollom, E. L., Soltys, S. G.
2019; 92 (1099)
- **Long-term follow up data on difficult to treat intracranial arteriovenous malformations treated with the CyberKnife.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Gupta, R., Moore, J. M., Amorin, A., Appelboom, G., Chaudhary, N., Iyer, A., Steinberg, G. K., Chang, S. D., Soltys, S., Gibbs, I.
2018
- **Radiographic Rate and Clinical Impact of Pseudarthrosis in Spine Radiosurgery for Metastatic Spinal Disease.** *Cureus*
Zhang, M., Appelboom, G., Ratliff, J. K., Soltys, S. G., Adler, J. R., Park, J., Chang, S. D.

2018; 10 (11): e3631

- **Adverse Radiation Effect and Disease Control in Patients Undergoing Concurrent Stereotactic Radiosurgery and Immunotherapy for Brain Metastases**
Koenig, J. L., Sborov, K., Sandhu, N., Gensheimer, M. F., Soltys, S. G., Pollom, E.
ELSEVIER SCIENCE INC.2018: E275–E276
- **One-Week Chemoradiotherapy is Associated with Less Treatment-Related Lymphopenia Compared to a Standard Treatment Course for Newly Diagnosed Glioblastoma**
Fujimoto, D. K., Sborov, K., Von Eyben, R., Osmundson, E. C., Thomas, R., Nagpal, S., Soltys, S. G.
ELSEVIER SCIENCE INC.2018: S172
- **Patterns of Failure and Outcomes Based On Management of Leptomeningeal Disease after Surgical Resection and Radiosurgery for Brain Metastases: A Multi-Institutional Analysis**
Prabhu, R. S., Soltys, S. G., Turner, B. E., Marcrom, S., Fiveash, J. B., Foreman, P. M., Press, R. H., Patel, K., Curran, W. J., Breen, W., Brown, P. D., Jethwa, K. R., Grills, et al
ELSEVIER SCIENCE INC.2018: S142–S143
- **Consensus Guidelines for Target Volume Definition of the Sacrum in Spinal Stereotactic Body Radiation Therapy (SBRT)**
Dunne, E. M., Sahgal, A., Lo, S. S., Bergman, A., Kosztyla, R., Chang, E. L., Chang, U., Chao, S. T., Ghia, A. J., Redmond, K. J., Soltys, S. G., Faruqi, S., Liu, et al
ELSEVIER SCIENCE INC.2018: E214
- **Radiation-Induced Edema after Single or Multi-Fraction Stereotactic Radiosurgery (SRS) for Non-Base of Skull (non-BOS) Meningioma: A Pooled Analysis**
Milano, M. T., Sharma, M., Soltys, S. G., Sahgal, A., Usuki, K. Y., Saenz, J. M., Grimm, J., El Naqa, I.
ELSEVIER SCIENCE INC.2018: E305
- **Nodular Leptomeningeal Disease - A Distinct Pattern of Recurrence after Post-Resection Stereotactic Radiosurgery for Brain Metastases: A Multi-Institutional Study of Inter-Observer Reliability**
Turner, B. E., Prabhu, R. S., Burri, S. H., Brown, P. D., Pollom, E., Milano, M. T., Weiss, S. E., Iv, M., Fischbein, N., Soliman, H., Lo, S. S., Soltys, S. G.
ELSEVIER SCIENCE INC.2018: E363–E364
- **Cavernous malformations are rare sequelae of stereotactic radiosurgery for brain metastases.** *Acta neurochirurgica*
Seiger, K., Pendharkar, A. V., Samghabadi, P., Chang, S. D., Cho, N., Choi, C. Y., Wang, C., Gephart, M. H., Soltys, S. G.
2018
- **Long-Term Hearing Outcomes Following Stereotactic Radiosurgery in Vestibular Schwannoma Patients-A Retrospective Cohort Study.** *Neurosurgery*
Santa Maria, P. L., Shi, Y., Gurgel, R. K., Corrales, C. E., Soltys, S. G., Santa Maria, C., Murray, K., Chang, S. D., Blevins, N. H., Gibbs, I. C., Jackler, R. K.
2018
- **Advance care planning needs in patients with glioblastoma undergoing radiotherapy.** *Journal of pain and symptom management*
Pollom, E., Sborov, K., Soltys, S. G., Asch, S. M., Sudore, R., Aslakson, R. A.
2018
- **Population description and clinical response assessment for spinal metastases: part 2 of the SPIne response assessment in Neuro-Oncology (SPINO) group report** *NEURO-ONCOLOGY*
Laufer, I., Lo, S. S., Chang, E. L., Sheehan, J., Guckenberger, M., Sohn, M., Ryu, S., Foote, M., Muacevic, A., Soltys, S. G., Chao, S., Myrehaug, S., Gerszten, et al
2018; 20 (9): 1215–24
- **Treatment planning for spinal radiosurgery** *STRAHLENTHERAPIE UND ONKOLOGIE*
Moustakis, C., Chan, M. H., Kim, J., Nilsson, J., Bergman, A., Bichay, T. J., Palazon Cano, I., Cilla, S., Deodato, F., Doro, R., Dunst, J., Eich, H., Fau, et al
2018; 194 (9): 843–54
- **Hippocampus-Sparing Radiation and Chemotherapy** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Pollom, E., Soltys, S. G.
2018; 101 (3): 519–20
- **CyberKnife robotic radiosurgery in the multimodal management of acromegaly patients with invasive macroadenoma: a single center's experience** *JOURNAL OF NEURO-ONCOLOGY*
Sala, E., Moore, J. M., Amarin, A., Martinez, H., Bhowmik, A. C., Lamsam, L., Chang, S., Soltys, S. G., Katznelson, L., Harsh, G. R.
2018; 138 (2): 291–98

- **Radiation-Induced Edema After Single-Fraction or Multifraction Stereotactic Radiosurgery for Meningioma: A Critical Review** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Milano, M. T., Sharma, M., Soltys, S. G., Sahgal, A., Usuki, K. Y., Saenz, J., Grimm, J., El Naqa, I.
2018; 101 (2): 344–57
- **Brainstem Dose Constraints in Nonisometric Radiosurgical Treatment Planning of Trigeminal Neuralgia: A Single-Institution Experience** *WORLD NEUROSURGERY*
Zhang, M., Lamsam, L. A., Schoen, M. K., Mehta, S. S., Appelboom, G., Adler, J. K., Soltys, S. G., Chang, S. D.
2018; 113: E399–E407
- **CyberKnife Radiosurgery in the Multimodal Management of Patients with Cushing Disease** *WORLD NEUROSURGERY*
Moore, J. M., Sala, E., Amarin, A., Martinez, H., Bhowmik, A. C., Chang, S. D., Soltys, S. G., Harsh, G. R., Katznelson, L.
2018; 112: E425–E430
- **Single- and Multi-Fraction Stereotactic Radiosurgery Dose Tolerances of the Optic Pathways.** *International journal of radiation oncology, biology, physics*
Milano, M. T., Grimm, J., Soltys, S. G., Yorke, E., Moiseenko, V., Tomé, W. A., Sahgal, A., Xue, J., Ma, L., Solberg, T. D., Kirkpatrick, J. P., Constine, L. S., Flickinger, et al
2018
- **Correlation between small-volume spinal cord doses for spine stereotactic body radiotherapy (SBRT).** *Journal of radiosurgery and SBRT*
Ma, L., Wang, L., Lee, Y., Tseng, C. L., Soltys, S., Braunstein, S., Sahgal, A.
2018; 5 (3): 229–36
- **Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors.** *Neurosurgery*
Chin, A. L., Fujimoto, D., Kumar, K. A., Tupper, L., Mansour, S., Chang, S. D., Adler, J. R., Gibbs, I. C., Hancock, S. L., Dodd, R., Li, G., Gephart, M. H., Ratliff, et al
2018
- **Clinical factors associated with mortality within three months after radiosurgery of asymptomatic brain metastases from non-small cell lung cancer.** *Journal of neuro-oncology*
Kakusa, B., Han, S., Aggarwal, S., Liu, B., Li, G., Soltys, S., Hayden Gephart, M.
2018
- **Osimertinib for EGFR-Mutant Lung Cancer with Brain Metastases: Results from a Single-Center Retrospective Study.** *The oncologist*
Xie, L., Nagpal, S., Wakelee, H. A., Li, G., Soltys, S. G., Neal, J. W.
2018
- **Preoperative Vs Postoperative Radiosurgery For Resected Brain Metastases: A Review.** *Neurosurgery*
Prabhu, R. S., Patel, K. R., Press, R. H., Soltys, S. G., Brown, P. D., Mehta, M. P., Asher, A. L., Burri, S. H.
2018
- **Stereotactic Radiosurgery for Skull Base Chordomas and Chondrosarcomas** *CHORDOMAS AND CHONDROSARCOMAS OF THE SKULL BASE AND SPINE, 2ND EDITION*
Shoo, B., Soltys, S. G., White, E., Fujimoto, D. K., Gibbs, I. C., Harsh, G. R., VazGuimaraes, F.
2018: 339–46
- **Newly diagnosed glioblastoma: adverse socioeconomic factors correlate with delay in radiotherapy initiation and worse overall survival.** *Journal of radiation research*
Pollom, E. L., Fujimoto, D. K., Han, S. S., Harris, J. P., Tharin, S. A., Soltys, S. G.
2018
- **Correlation between small-volume spinal cord doses for spine stereotactic body radiotherapy (SBRT)** *JOURNAL OF RADIOSURGERY AND SBRT*
Ma, L., Wang, L., Lee, Y., Tseng, C., Soltys, S., Braunstein, S., Sahgal, A.
2018; 5 (3): 229–36
- **Survival Impact of Postoperative Radiotherapy Timing in Pediatric and Adolescent Medulloblastoma.** *Neuro-oncology*
Chin, A. L., Moding, E. J., Donaldson, S. S., Gibbs, I. C., Soltys, S. G., Hiniker, S. M., Pollom, E. L.
2018
- **Phase 1/2 Trial of 5-Fraction Stereotactic Radiosurgery With 5-mm Margins With Concurrent and Adjuvant Temozolomide in Newly Diagnosed Supratentorial Glioblastoma: Health-Related Quality of Life Results.** *International journal of radiation oncology, biology, physics*

- Pollom, E. L., Fujimoto, D., Wynne, J., Seiger, K., Modlin, L. A., Jacobs, L. R., Azoulay, M., von Eyben, R., Tupper, L., Gibbs, I. C., Hancock, S. L., Li, G., Chang, et al
2017; 98 (1): 123-130
- **The radiosurgery fractionation quandary: single fraction or hypofractionation?** *NEURO-ONCOLOGY*
Kirkpatrick, J. P., Soltys, S. G., Lo, S. S., Beal, K., Shrieve, D. C., Brown, P. D.
2017; 19: 38-49
 - **Consensus guidelines for postoperative stereotactic body radiation therapy for spinal metastases: results of an international survey.** *Journal of neurosurgery. Spine*
Redmond, K. J., Lo, S. S., Soltys, S. G., Yamada, Y., Barani, I. J., Brown, P. D., Chang, E. L., Gerszten, P. C., Chao, S. T., Amdur, R. J., De Salles, A. A., Guckenberger, M., Teh, et al
2017; 26 (3): 299-306
 - **Stereotactic radiosurgery for non-vestibular cranial nerve schwannomas** *JOURNAL OF NEURO-ONCOLOGY*
D'Astous, M., Ho, A. L., Pendharkar, A., Choi, C. Y., Soltys, S. G., Gibbs, I. C., Tayag, A. T., Thompson, P. A., Adler, J. R., Chang, S. D.
2017; 131 (1): 177-183
 - **Consensus Contouring Guidelines for Postoperative Completely Resected Cavity Stereotactic Radiosurgery for Brain Metastases.** *International journal of radiation oncology, biology, physics*
Soliman, H., Ruschin, M., Angelov, L., Brown, P. D., Chiang, V. L., Kirkpatrick, J. P., Lo, S. S., Mahajan, A., Oh, K. S., Sheehan, J. P., Soltys, S. G., Sahgal, A.
2017
 - **Imaging changes over 18 months following stereotactic radiosurgery for brain metastases: both late radiation necrosis and tumor progression can occur.** *Journal of neuro-oncology*
Fujimoto, D., von Eyben, R., Gibbs, I. C., Chang, S. D., Li, G., Harsh, G. R., Hancock, S., Fischbein, N., Soltys, S. G.
2017
 - **New Hypofractionation Radiation Strategies for Glioblastoma.** *Current oncology reports*
Azoulay, M., Shah, J., Pollom, E., Soltys, S. G.
2017; 19 (9): 58
 - **Cost-Effectiveness of Radiation and Chemotherapy for High-Risk Low-Grade Glioma.** *Neuro-oncology*
Qian, Y., Maruyama, S., Kim, H., Pollom, E. L., Kumar, K. A., Chin, A. L., Harris, J. P., Chang, D. T., Pitt, A., Bendavid, E., Owens, D. K., Durkee, B. Y., Soltys, et al
2017
 - **Vorinostat and Concurrent Stereotactic Radiosurgery for Non-Small Cell Lung Cancer Brain Metastases: A Phase 1 Dose Escalation Trial.** *International journal of radiation oncology, biology, physics*
Choi, C. Y., Wakelee, H. A., Neal, J. W., Pinder-Schenck, M. C., Yu, H. M., Chang, S. D., Adler, J. R., Modlin, L. A., Harsh, G. R., Soltys, S. G.
2017; 99 (1): 16-21
 - **Consensus Contouring Guidelines for Postoperative Stereotactic Body Radiation Therapy for Metastatic Solid Tumor Malignancies to the Spine** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Redmond, K. J., Robertson, S., Lo, S. S., Soltys, S. G., Ryu, S., McNutt, T., Chao, S. T., Yamada, Y., Ghia, A., Chang, E. L., Sheehan, J., Sahgal, A.
2017; 97 (1): 64-74
 - **Ablative Radiotherapy as a Noninvasive Alternative to Catheter Ablation for Cardiac Arrhythmias.** *Current cardiology reports*
Zei, P. C., Soltys, S.
2017; 19 (9): 79
 - **Stereotactic Radiosurgery and Hypofractionated Radiotherapy for Glioblastoma.** *Neurosurgery*
Shah, J. L., Li, G., Shaffer, J. L., Azoulay, M. I., Gibbs, I. C., Nagpal, S., Soltys, S. G.
2017
 - **Image-guided stereotactic radiosurgery for treatment of spinal hemangioblastoma** *NEUROSURGICAL FOCUS*
Pan, J., Ho, A. L., D'Astous, M., Sussman, E. S., Thompson, P. A., Tayag, A. T., Pangilinan, L., Soltys, S. G., Gibbs, I. C., Chang, S. D.
2017; 42 (1)
 - **Brain Metastases From Melanoma: Therapy at the Crossroads** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Kirkpatrick, J. P., Laack, N. N., Soltys, S. G., Halasz, L. M., Breneman, J. C., Shih, H. A.

2016; 96 (4): 713-716

- **The Outcome of Hypofractionated Stereotactic Radiosurgery for Large Vestibular Schwannomas.** *World neurosurgery*
Teo, M., Zhang, M., Li, A., Thompson, P. A., Tayag, A. T., Wallach, J., Gibbs, I. C., Soltys, S. G., Hancock, S. L., Chang, S. D.
2016; 93: 398-409
- **CyberKnife Stereotactic Radiosurgery for Atypical and Malignant Meningiomas.** *World neurosurgery*
Zhang, M., Ho, A. L., D'Astous, M., Pendharkar, A. V., Choi, C. Y., Thompson, P. A., Tayag, A. T., Soltys, S. G., Gibbs, I. C., Chang, S. D.
2016; 91: 574-581 e1
- **Stereotactic radiosurgery for intramedullary spinal arteriovenous malformations** *JOURNAL OF CLINICAL NEUROSCIENCE*
Kalani, M. A., Choudhri, O., Gibbs, I. C., Soltys, S. G., Adler, J. R., Thompson, P. A., Tayag, A. T., Samos, C. H., Chang, S. D.
2016; 29: 162-167
- **The Parotid Gland is an Underrecognized Organ at Risk for Craniospinal Irradiation** *TECHNOLOGY IN CANCER RESEARCH & TREATMENT*
King, M. T., Modlin, L., Million, L., Donaldson, S. S., Gibbs, I. C., Choi, C. Y., Soltys, S. G.
2016; 15 (3): 472-479
- **Estimated Risk Level of Unified Stereotactic Body Radiation Therapy Dose Tolerance Limits for Spinal Cord.** *Seminars in radiation oncology*
Grimm, J., Sahgal, A., Soltys, S. G., Luxton, G., Patel, A., Herbert, S., Xue, J., Ma, L., Yorke, E., Adler, J. R., Gibbs, I. C.
2016; 26 (2): 165-171
- **Dose-Response Modeling of the Visual Pathway Tolerance to Single-Fraction and Hypofractionated Stereotactic Radiosurgery** *SEMINARS IN RADIATION ONCOLOGY*
Hiniker, S. M., Modlin, L. A., Choi, C. Y., Atalar, B., Seiger, K., Binkley, M. S., Harris, J. P., Liao, Y. J., Fischbein, N., Wang, L., Ho, A., Lo, A., Chang, et al
2016; 26 (2): 97-104
- **CyberKnife radiosurgery for brainstem metastases: Management and outcomes and a review of the literature.** *Journal of clinical neuroscience*
Liu, S., Murovic, J., Wallach, J., Cui, G., Soltys, S. G., Gibbs, I. C., Chang, S. D.
2016; 25: 105-110
- **Stereotactic Arrhythmia Radioablation (STAR) of Ventricular Tachycardia: A Treatment Planning Study.** *Cureus*
Wang, L., Fahimian, B., Soltys, S. G., Zei, P., Lo, A., Gardner, E. A., Maguire, P. J., Loo, B. W.
2016; 8 (7)
- **Dose-Response Modeling of the Visual Pathway Tolerance to Single-Fraction and Hypofractionated Stereotactic Radiosurgery.** *Seminars in radiation oncology*
Hiniker, S. M., Modlin, L. A., Choi, C. Y., Atalar, B., Seiger, K., Binkley, M. S., Harris, J. P., Liao, Y. J., Fischbein, N., Wang, L., Ho, A., Lo, A., Chang, et al
2016; 26 (2): 97-104
- **Inverse treatment planning for spinal robotic radiosurgery: an international multi-institutional benchmark trial** *JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS*
Blanck, O., Wang, L., Baus, W., Grimm, J., Lacornerie, T., Nilsson, J., Luchkovskiy, S., Palazon Cano, I., Shou, Z., Ayadi, M., Treuer, H., Viard, R., Siebert, et al
2016; 17 (3): 313-330
- **Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group** *LANCET ONCOLOGY*
Thibault, I., Chang, E. L., Sheehan, J., Ahluwalia, M. S., Guckenberger, M., Sohn, M., Ryu, S., Foote, M., Lo, S. S., Muacevic, A., Soltys, S. G., Chao, S., Gerszten, et al
2015; 16 (16): E595-E603
- **Repeat Courses of Stereotactic Radiosurgery (SRS), Deferring Whole-Brain Irradiation, for New Brain Metastases After Initial SRS** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Shultz, D. B., Modlin, L. A., Jayachandran, P., von Eyben, R., Gibbs, I. C., Choi, C. Y., Chang, S. D., Harsh, G. R., Li, G., Adler, J. R., Hancock, S. L., Soltys, S. G.
2015; 92 (5): 993-999
- **Is Less, More? The Evolving Role of Radiation Therapy for Brain Metastases** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Soltys, S. G., Kirkpatrick, J. P., Laack, N. N., Kavanagh, B. D., Breneman, J. C., Shih, H. A.
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