

BIBLIOGRAPHY

- Adler JR, Jr., Chang SD. CyberKnife image-guided radiosurgery. *Neurosurgery* 2009;64:A1.
- Adler JR, Jr., Bower R, Gupta G et al. Nonisocentric radiosurgical rhizotomy for trigeminal neuralgia. *Neurosurgery* 2009;64:A84-A90.
- Ahn SH, Han MS, Yoon JH et al. Treatment of stage I non-small cell lung cancer with CyberKnife, image-guided robotic stereotactic radiosurgery. *Oncol.Rep.* 2009;21:693-696.
- Bondiau PY, Lallement M, Bahadoran P et al. CyberKnife® et chimiothérapie néoadjuvante pour les tumeurs du sein localement évoluées : résultats préliminaires. *Cancer Radiother.* 2009
- Borchers JD, III, Yang HJ, Sakamoto GT et al. CyberKnife stereotactic radiosurgical rhizotomy for trigeminal neuralgia: anatomic and morphological considerations. *Neurosurgery* 2009;64:A91-A95.
- Colombo F, Casentini L, Cavedon C et al. CyberKnife radiosurgery for benign meningiomas: short-term results in 199 patients. *Neurosurgery* 2009;64:A7-13.
- Fariselli L, Marras C, De SM et al. CyberKnife radiosurgery as a first treatment for idiopathic trigeminal neuralgia. *Neurosurgery* 2009;64:A96-101.
- Francescon P, Cora S, Cavedon C, Scalchi P. Application of a Monte Carlo-based method for total scatter factors of small beams to new solid state micro-detectors. *J.Appl.Clin.Med.Phys.* 2009;10:2939.
- Fuller DB. Balancing on a knife's edge: evidence-based medicine and the marketing of health technology. In regard to Bentzen et al. (*Int J Radiat Oncol Biol Phys* 2008;72:12-14). *Int.J.Radiat.Oncol.Biol.Phys.* 2009;73:637-638.
- Gagnon GJ, Nasr NM, Liao JJ et al. Treatment of spinal tumors using CyberKnife fractionated stereotactic radiosurgery: pain and quality-of-life assessment after treatment in 200 patients. *Neurosurgery* 2009;64:297-306.
- Gibbs IC, Patil C, Gerszten PC, Adler JR, Jr., Burton SA. Delayed radiation-induced myelopathy after spinal radiosurgery. *Neurosurgery* 2009;64:A67-A72.
- Hara W, Tran P, Li G et al. CyberKnife for brain metastases of malignant melanoma and renal cell carcinoma. *Neurosurgery* 2009;64:A26-A32.
- Henderson FC, McCool K, Seigle J et al. Treatment of chordomas with CyberKnife: georgetown university experience and treatment recommendations. *Neurosurgery* 2009;64:A44-A53.
- Killory BD, Kresl JJ, Wait SD et al. Hypofractionated CyberKnife radiosurgery for perichiasmatic pituitary adenomas: early results. *Neurosurgery* 2009;64:A19-A25.
- Kim MS, Yoo SY, Cho CK et al. Stereotactic Body Radiation Therapy Using Three Fractions for Isolated Lung Recurrence from Colorectal Cancer. *Oncology* 2009;76:212-219.
- King CR, Brooks JD, Gill H et al. Stereotactic body radiotherapy for localized prostate cancer: interim results of a prospective phase II clinical trial. *Int.J.Radiat.Oncol.Biol.Phys.* 2009;73:1043-1048.
- King CR, Lo A, Kapp DS. Testicular dose from prostate CyberKnife: a cautionary note. *Int.J.Radiat.Oncol.Biol.Phys.* 2009;73:636-637.

- Langner UW, Keall PJ. Accuracy in the localization of thoracic and abdominal tumors using respiratory displacement, velocity, and phase. *Med.Phys.* 2009;36:386-393.
- Levine AM, Coleman C, Horasek S. Stereotactic radiosurgery for the treatment of primary sarcomas and sarcoma metastases of the spine. *Neurosurgery* 2009;64:A54-A59.
- Morgia G, De RC. CyberKnife in the Treatment of Prostate Cancer: A Revolutionary System. *Eur.Urol.* 2009
- Murovic JA, Gibbs IC, Chang SD et al. Foraminal nerve sheath tumors: intermediate follow-up after CyberKnife radiosurgery. *Neurosurgery* 2009;64:A33-A43.
- Papatheofanis FJ, Williams E, Chang SD. Cost-utility analysis of the CyberKnife system for metastatic spinal tumors. *Neurosurgery* 2009;64:A73-A83.
- Pennathur A, Luketich JD, Heron DE et al. Stereotactic radiosurgery for the treatment of stage I non-small cell lung cancer in high-risk patients. *J.Thorac.Cardiovasc.Surg.* 2009;137:597-604.
- Saito K, Fujii M, Kajiwara K, Suzuki M. Introducing sitetrack: continuous patient motion monitoring during stereotactic radiotherapy for the head. *Neurosurgery* 2009;64:A110-A122.
- Sakamoto GT, Borchers DJ, III, Xiao F et al. CyberKnife radiosurgery for trigeminal schwannomas. *Neurosurgery* 2009;64:A14-A18.
- Stancanello J, Romanelli P, Pantelis E, Sebastiano F, Modugno N. Atlas-based functional radiosurgery: early results. *Med.Phys.* 2009;36:457-463.
- Thariat J, Castelli J, Chanalet S et al. CyberKnife stereotactic radiotherapy for spinal tumors: value of computed tomographic myelography in spinal cord delineation. *Neurosurgery* 2009;64:A60-A66.
- Tsai JT, Lin JW, Chiu WT, Chu WC. Assessment of image-guided CyberKnife(@) radiosurgery for metastatic spine tumors. *J.Neurooncol.* 2009
- van der Voort van Zyp NC, Prvost JB, Hoogeman MS et al. Stereotactic radiotherapy with real-time tumor tracking for non-small cell lung cancer: Clinical outcome. *Radiother.Oncol.* 2009
- Wowra B, Muacevic A, Tonn JC et al. Obliteration dynamics in cerebral arteriovenous malformations after CyberKnife radiosurgery: quantification with sequential nidus volumetry and 3-tesla 3-dimensional time-of-flight magnetic resonance angiography. *Neurosurgery* 2009;64:A102-A109.
- Wowra B, Muacevic A, Tonn JC. Quality of radiosurgery for single brain metastases with respect to treatment technology: a matched-pair analysis. *J.Neurooncol.* 2009
- Yaeger TE. Accuray company advertising successful prostate cancer treatments with CyberKnife (CK). *Int.J.Radiat.Oncol.Biol.Phys.* 2009;73:638-639.
- Antypas C, Pantelis E. Performance evaluation of a CyberKnife(R) G4 image-guided robotic stereotactic radiosurgery system. *Phys Med Biol.* 2008;53:4697-4718.
- Avanzo M, Romanelli P. Spinal radiosurgery: technology and clinical outcomes. *Neurosurg.Rev.* 2008
- Brown WT, Wu X, Fowler JF et al. Lung Metastases Treated by CyberKnife(R) Image-Guided Robotic Stereotactic Radiosurgery at 41 Months. *South.Med.J* 2008
- Cesaretti JA, Pennathur A, Rosenstein BS, Swanson SJ, Fernando HC. Stereotactic radiosurgery for thoracic malignancies. *Ann.Thorac.Surg* 2008;85:S785-S791.
- Chang DT, Schellenberg D, Shen J et al. Stereotactic radiotherapy for unresectable adenocarcinoma of the pancreas. *Cancer* 2008
- Chang JY, Dong L, Liu H et al. Image-guided radiation therapy for non-small cell lung cancer. *J Thorac.Oncol* 2008;3:177-186.

Choi BO, Choi IB, Jang HS et al. Stereotactic body radiation therapy with or without transarterial chemoembolization for patients with primary hepatocellular carcinoma: preliminary analysis. *BMC.Cancer* 2008;8:351.

Chuang CF, Larson DA, Zytovicz A, Smith V, Petti PL. Peripheral dose measurement for CyberKnife radiosurgery with upgraded linac shielding. *Med Phys* 2008;35:1494-1496.

Coon D, Gokhale AS, Burton SA et al. Fractionated stereotactic body radiation therapy in the treatment of primary, recurrent, and metastatic lung tumors: the role of positron emission tomography/computed tomography-based treatment planning. *Clin.Lung Cancer* 2008;9:217-221.

Das IJ, Ding GX, Ahnesjo A. Small fields: nonequilibrium radiation dosimetry. *Med.Phys.* 2008;35:206-215.

Dawood O. CyberKnife Treatment of Prostate Cancer: A Reply to Bentzen and Wasserman. *Int.J.Radiat.Oncol.Biol.Phys* 2008;72:14-18.

Dieterich S, Pawlicki T. CyberKnife image-guided delivery and quality assurance. *Int J Radiat Oncol Biol Phys* 2008;71:S126-S130.

Epstein NE. Enhanced T1-weighted magnetic resonance changes in L4-L5 lumbar lesion after CyberKnife radiosurgery for schwannomatosis. *Spine J.* 2008;8:853-854.

Fenwick JD, Riley SW, Scott AJ. Advances in intensity-modulated radiotherapy delivery. *Cancer Treat.Res.* 2008;139:193-214.

Francescon P, Cora S, Cavedon C. Total scatter factors of small beams: a multidetector and Monte Carlo study. *Med.Phys* 2008;35:504-513.

Fu D, Kuduvali G. A fast, accurate, and automatic 2D-3D image registration for image-guided cranial radiosurgery. *Med Phys* 2008;35:2180-2194.

Fuller D, Naitoh J, Lee C, Hardy S, Jin H. Virtual HDRSM CyberKnife treatment for localized prostatic carcinoma: dosimetry comparison with HDR brachytherapy and preliminary clinical observations. *Int J Radiat Oncol Biol Phys* 2008;70:1588-1597.

George R, Suh Y, Murphy M et al. On the accuracy of a moving average algorithm for target tracking during radiation therapy treatment delivery. *Med Phys* 2008;35:2356-2365.

Gerszten PC, Burton SA, Ozhasoglu C, McCue KJ, Quinn AE. Radiosurgery for benign intradural spinal tumors. *Neurosurgery* 2008;62:887-895.

Gerszten PC, Burton SA. Clinical Assessment Of Stereotactic IGRT: Spinal Radiosurgery. *Med.Dosim.* 2008;33:107-116.

Hara W, Loo BW, Jr., Goffinet DR et al. Excellent local control with stereotactic radiotherapy boost after external beam radiotherapy in patients with nasopharyngeal carcinoma. *Int J Radiat Oncol Biol Phys* 2008;71:393-400.

Hirschbein MJ, Collins S, Jean WC, Chang SD, Adler JR, Jr. Treatment of intraorbital lesions using the Accuray CyberKnife system. *Orbit.* 2008;27:97-105.

Ho AK, Gibbs IC, Chang SD, Main B, Adler JR. The Use of TLD and Gafchromic Film to Assure Submillimeter Accuracy for Image-Guided Radiosurgery. *Med.Dosim.* 2008;33:36-41.

Hoogeman MS, Nuyttens JJ, Levendag PC, Heijmen BJ. Time dependence of intrafraction patient motion assessed by repeat stereoscopic imaging. *Int.J.Radiat.Oncol.Biol.Phys.* 2008;70:609-618.

Hossain S, Xia P, Chuang C et al. Simulated real time image guided intrafraction tracking-delivery for hypofractionated prostate IMRT. *Med Phys* 2008;35:4041-4048.

Ju DT, Lin JW, Lin MS et al. Hypofractionated CyberKnife stereotactic radiosurgery for acoustic neuromas with and without association to neurofibromatosis Type 2. *Acta Neurochir.Suppl* 2008;101:169-173.

Kawachi T, Saitoh H, Inoue M et al. Reference dosimetry condition and beam quality correction factor for CyberKnife beam. *Med Phys* 2008;35:4591-4598.

Kelly ME, Guzman R, Sinclair J et al. Multimodality treatment of posterior fossa arteriovenous malformations. *J Neurosurg.* 2008;108:1152-1161.

- Kim MC, Lee TK. Stereotactic lesioning for mental illness. *Acta Neurochir.Suppl* 2008;101:39-43.
- Kim MS, Choi C, Yoo S et al. Stereotactic Body Radiation Therapy in Patients with Pelvic Recurrence from Rectal Carcinoma. *Jpn.J.Clin.Oncol.* 2008
- Kunos C, von G, V, Waggoner S et al. CyberKnife radiosurgery for squamous cell carcinoma of vulva after prior pelvic radiation therapy. *Technol.Cancer Res.Treat.* 2008;7:375-380.
- Lee M, Kalani MY, Cheshier S et al. Radiation therapy and CyberKnife radiosurgery in the management of craniopharyngiomas. *Neurosurg.Focus.* 2008;24:E4.
- Lipani JD, Jackson PS, Soltys SG, Sato K, Adler JR. Survival Following CyberKnife Radiosurgery and Hypofractionated Radiotherapy for Newly Diagnosed Glioblastoma Multiforme. *Technol.Cancer Res.Treat.* 2008;7:249-256.
- Lu XQ, Shanmugham LN, Mahadevan A et al. Organ deformation and dose coverage in robotic respiratory-tracking radiotherapy. *Int J Radiat Oncol Biol Phys* 2008;71:281-289.
- Mu Z, Fu D, Kuduvali G. A probabilistic framework based on hidden markov model for fiducial identification in image-guided radiation treatments. *IEEE Trans.Med Imaging* 2008;27:1288-1300.
- Muacevic A, Nentwich M, Wowra B et al. Development of a Streamlined, Non-invasive Robotic Radiosurgery Method for Treatment of Uveal Melanoma. *Technol.Cancer Res.Treat.* 2008;7:369-374.
- Murphy MJ. Intrafraction Geometric Uncertainties in Frameless Image-Guided Radiosurgery. *Int.J.Radiat.Oncol.Biol.Phys.* 2008
- Naff N. CyberKnife Radiosurgery in Neurosurgical Practice. *Neurosurgery Quarterly* 2008;17:273-282.
- Nagano H, Deguchi K, Kurono Y. Malignant fibrous histiocytoma of the bucca: a case report. *Auris Nasus Larynx* 2008;35:165-169.
- Nioutsikou E, Seppenwoolde Y. Dosimetric investigation of lung tumor motion compensation with a robotic respiratory tracking system: An experimental study. *Med Phys* 2008;35:1232.
- Ozhasoglu C, Saw CB, Chen H et al. Synchrony - CyberKnife respiratory compensation technology. *Med.Dosim.* 2008;33:117-123.
- Pantelis E, Antypas C, Petrokokkinos L et al. Dosimetric characterization of CyberKnife radiosurgical photon beams using polymer gels. *Med Phys* 2008;35:2312-2320.
- Poll JJ, Hoogeman MS, Prevost JB et al. Reducing monitor units for robotic radiosurgery by optimized use of multiple collimators. *Med Phys* 2008;35:2294-2299.
- Prevost JB, Voet P, Hoogeman M et al. Four-dimensional Stereotactic Radiotherapy for Early Stage Non-Small Cell Lung Cancer: A Comparative Planning Study. *Technol.Cancer Res.Treat.* 2008;7:27-34.
- Prevost JB, de BH, Poll J, Voet P, Levendag P. Analysis of the motion of oropharyngeal tumors and consequences in planning target volume determination. *Radiother.Oncol.* 2008;87:268-273.
- Prevost JB, Nuytens JJ, Hoogeman MS et al. Endovascular coils as lung tumour markers in real-time tumour tracking stereotactic radiotherapy: preliminary results. *Eur.Radiol.* 2008
- Rah JE, Shin DO, Jang JS et al. Application of a glass rod detector for the output factor measurement in the CyberKnife. *Appl.Radiat.Isot.* 2008
- Roh KW, Jang JS, Kim MS et al. Fractionated Stereotactic Radiotherapy as Reirradiation for Locally Recurrent Head and Neck Cancer. *Int.J.Radiat.Oncol.Biol.Phys.* 2008
- Romanelli P, Adler JR, Jr. Technology Insight: image-guided robotic radiosurgery-a new approach for noninvasive ablation of spinal lesions. *Nat.Clin.Pract.Oncol* 2008
- Romanelli P, Muacevic A, Striano S. Radiosurgery for hypothalamic hamartomas. *Neurosurg.Focus.* 2008;24:E9.

- Sahgal A, Ames C, Chou D et al. Stereotactic Body Radiotherapy Is Effective Salvage Therapy for Patients with Prior Radiation of Spinal Metastases. *Int.J.Radiat.Oncol.Biol.Phys.* 2008
- Sahgal A, Larson DA, Chang EL. Stereotactic body radiosurgery for spinal metastases: a critical review. *Int.J.Radiat.Oncol.Biol.Phys* 2008;71:652-665.
- Saw CB, Chen H, Wagner H, Jr. Implementation of fiducial-based image registration in the CyberKnife robotic system. *Med.Dosim.* 2008;33:156-160.
- Schellenberg D, Goodman KA, Lee F et al. Gemcitabine Chemotherapy and Single-Fraction Stereotactic Body Radiotherapy for Locally Advanced Pancreatic Cancer. *Int J Radiat Oncol Biol Phys* 2008
- Schlaefer A, Schweikard A. Stepwise multi-criteria optimization for robotic radiosurgery. *Med Phys* 2008;35:2094-2103.
- Soltys SG, Kalani MY, Cheshier SH et al. Stereotactic radiosurgery for a cardiac sarcoma: a case report. *Technol.Cancer Res.Treat.* 2008;7:363-368.
- Suh Y, Dieterich S, Cho B, Keall PJ. An analysis of thoracic and abdominal tumour motion for stereotactic body radiotherapy patients. *Phys Med Biol* 2008;53:3623-3640.
- Tarricone R, Aguzzi G, Musi F, Fariselli L, Casasco A. Cost-effectiveness analysis for trigeminal neuralgia: CyberKnife vs microvascular decompression. *Neuropsychiatr.Dis.Treat.* 2008;4:647-652.
- Teguh DN, Levendag PC, Noever I et al. Treatment Techniques and Site Considerations Regarding Dysphagia-Related Quality of Life in Cancer of the Oropharynx and Nasopharynx. *Int J Radiat Oncol Biol Phys* 2008
- Villavicencio AT, Lim M, Burneikiene S et al. CyberKnife radiosurgery for trigeminal neuralgia treatment: a preliminary multicenter experience. *Neurosurgery* 2008;62:647-655.
- Wilcox EE, Daskalov GM. Accuracy of dose measurements and calculations within and beyond heterogeneous tissues for 6 MV photon fields smaller than 4 cm produced by CyberKnife. *Med Phys* 2008;35:2259-2266.
- Wowra B, Zausinger S, Drexler C et al. CyberKnife radiosurgery for malignant spinal tumors: characterization of well-suited patients. *Spine* 2008;33:2929-2934.
- Xie Y, Djajaputra D, King CR et al. Intrafractional motion of the prostate during hypofractionated radiotherapy. *Int.J.Radiat.Oncol.Biol.Phys* 2008;72:236-246.
- Yin W, Chen B, Tian F, Yu Y, Kong FM. The growth of radiation oncology in mainland China during the last 10 years. *Int.J.Radiat.Oncol.Biol.Phys.* 2008;70:795-798.
- Anantham D, Feller-Kopman D, Shanmugham LN et al. Electromagnetic navigation bronchoscopy-guided fiducial placement for robotic stereotactic radiosurgery of lung tumors: a feasibility study. *Chest* 2007;132:930-935.
- Barnett GH, Linskey ME, Adler JR et al. Stereotactic radiosurgery--an organized neurosurgery-sanctioned definition. *J Neurosurg* 2007;106:1-5.
- Bondiau PY, Benezery K, Beckendorf V et al. [CyberKnife((R)) robotic stereotactic radiotherapy: technical aspects and medical indications.]. *Cancer Radiother.* 2007;338-344.
- Brenner MJ, Schwade J. Response to letter: colonic apple-core lesion resulting from CyberKnife treatment of unresectable pancreatic cancer. *Pancreas* 2007;34:167-168.
- Brown WT, Wu X, Wen BC et al. Early results of CyberKnife image-guided robotic stereotactic radiosurgery for treatment of lung tumors. *Comput.Aided Surg* 2007;12:253-261.
- Brown WT, Wu X, Amendola B et al. Treatment of Early Non-Small Cell Lung Cancer, Stage IA, by Image-Guided Robotic Stereotactic Radioablation-CyberKnife. *Cancer J* 2007;13:87-94.

- Brown WT, Wu X, Fayad F et al. CyberKnife radiosurgery for stage I lung cancer: results at 36 months. *Clin.Lung Cancer* 2007;8:488-492.
- Chang ST, Goodman KA, Yang GP, Koong AC. Stereotactic body radiotherapy for unresectable pancreatic cancer. *Front Radiat Ther Oncol* 2007;40:386-394.
- Cheshier SH, Hanft SJ, Adler JR, Chang SD. CyberKnife Radiosurgery for Lesions of the Foramen Magnum. *Technol.Cancer Res.Treat.* 2007;6:329-336.
- Chuang C, Sahgal A, Lee L et al. Effects of residual target motion for image-tracked spine radiosurgery. *Med.Phys.* 2007;34:4484-4490.
- Collins BT, Erickson K, Reichner CA et al. Radical stereotactic radiosurgery with real-time tumor motion tracking in the treatment of small peripheral lung tumors. *Radiat.Oncol.* 2007;2:39.
- Cupp JS, Koong AC, Fisher GA, Norton JA, Goodman KA. Tissue Effects after Stereotactic Body Radiotherapy using CyberKnife for Patients with Abdominal Malignancies. *Clin.Oncol.(R.Coll.Radiol.)* 2007
- Dieterich S, Suh Y, Sayeh S et al. *Robotic Radiosurgery Vol. 2 Treating Tumors that Move with Respiration.*; 2007.
- Ernst F, Schlaefer A, Schweikard A. Prediction of respiratory motion with wavelet-based multiscale autoregression. *Med.Image Comput.Comput.Assist.Interv.Int.Conf.Med.Image Comput.Comput.Assist.Interv.* 2007;10:668-675.
- Finn MA, Vrionis FD, Schmidt MH. Spinal radiosurgery for metastatic disease of the spine. *Cancer Control* 2007;14:405-411.
- Gagnon GJ, Henderson FC, Gehan EA et al. CyberKnife radiosurgery for breast cancer spine metastases: a matched-pair analysis. *Cancer* 2007
- Gerszten PC, Burton SA, Ozhasoglu C, Welch WC. Radiosurgery for spinal metastases: clinical experience in 500 cases from a single institution. *Spine* 2007;32:193-199.
- Gerszten PC, Burton SA, Ozhasoglu C. CyberKnife Radiosurgery for Spinal Neoplasms. 2007:340-358.
- Gerszten PC. The role of minimally invasive techniques in the management of spine tumors: percutaneous bone cement augmentation, radiosurgery, and microendoscopic approaches. *Orthop.Clin.North Am.* 2007;38:441-450.
- Gibbs IC, Kamnerdsupaphon P, Ryu MR et al. Image-guided robotic radiosurgery for spinal metastases. *Radiother Oncol* 2007;82:185-190.
- Gibbs IC. Spinal and paraspinal lesions: the role of stereotactic body radiotherapy. 2007:407-414.
- Giller CA, Berger BD, Fink K, Bastian E. A volumetric study of CyberKnife hypofractionated stereotactic radiotherapy as salvage for progressive malignant brain tumors: initial experience. *Neurol Res* 2007
- Hannoun-Levi JM, Benezery K, Bondiau PY et al. [Robotic radiotherapy for prostate cancer with CyberKnife]. *Cancer Radiother.* 2007;11:476-482.
- Hara W, Soltys SG, Gibbs IC. CyberKnife((R)) Robotic Radiosurgery system for tumor treatment. *Expert.Rev.Anticancer Ther.* 2007;7:1507-1515.
- Ho AK, Fu D, Cotrutz C et al. A study of the accuracy of CyberKnife spinal radiosurgery using skeletal structure tracking. *Neurosurgery* 2007;60:147-156.
- Hoffmann RT, Jakobs TF, Muacevic A et al. [Interventional oncology for lung tumors.]. *Radiologe* 2007
- Huh S. Current Status of the Infrastructure and Characteristics of Radiation Oncology in Korea. *Jpn.J.Clin.Oncol.* 2007
- Jayarao M, Chin LS. Robotics and its applications in stereotactic radiosurgery. *Neurosurg.Focus.* 2007;23:E6.
- Lad SP, Lipani JD, Gibbs IC et al. CyberKnife targeting the pterygopalatine ganglion for the treatment of chronic cluster headaches. *Neurosurgery* 2007;60:E580-E581.

- Li G, Patil C, Adler JR et al. CyberKnife rhizotomy for facetogenic back pain: a pilot study. *Neurosurg.Focus.* 2007;23:E2.
- Li G, Chang S, Adler JR, Jr., Lim M. Irradiation of glomus jugulare tumors: a historical perspective. *Neurosurg.Focus.* 2007;23:E13.
- Lim M, Bower R, Nangiana JS, Adler JR, Chang SD. Radiosurgery for glomus jugulare tumors. *Technol.Cancer Res.Treat.* 2007;6:419-424.
- Maingon P, Truc G, Peignaux K, Crehange G. [Is a linac able to do better than tomotherapy or CyberKnife?]. *Cancer Radiother.* 2007;11:345-348.
- Mayberg M, Vermeulen S. Advances in stereotactic radiosurgery in the treatment of pituitary adenomas. *Curr.Opin.Endocrinol.Diabetes Obes.* 2007;14:296-300.
- Mazzei KA, Toole J. Oncology: Robotic radiosurgery provides an accurate, multifaceted alternative. *Nurs Manage* 2007;38:52-54.
- Mery CM, Cooke DT, Chandra V et al. The road to innovation: emerging technologies in surgery. *Bull.Am.Coll.Surg* 2007;92:19-33.
- Muacevic A, Drexler C, Wowra B et al. Technical description, phantom accuracy, and clinical feasibility for single-session lung radiosurgery using robotic image-guided real-time respiratory tumor tracking. *Technol Cancer Res Treat* 2007;6:321-328.
- Muacevic A. [CyberKnife radiosurgery: a new treatment method for image-guided and robot-assisted precision radiation]. *MMW.Fortschr.Med.* 2007;149:42-43.
- Murphy M. CyberKnife Image Guidance and Tracking. In: Heilbrun MP, ed. *CyberKnife Radiosurgery.*: CK Society: 2007:
- Murphy MJ, Lin PS, Ozhasoglu C. Intra-fraction dose delivery timing during stereotactic radiotherapy can influence the radiobiological effect. *Med Phys* 2007;34:481-484.
- Nijdam W, Levendag P, Fuller D et al. Robotic Radiosurgery vs. Brachytherapy as a Boost to Intensity Modulated Radiotherapy for Tonsillar Fossa and Soft Palate Tumors: The Clinical and Economic Impact of an Emerging Technology. *Technol.Cancer Res.Treat.* 2007;6:611-620.
- Niranjan A, Maitz AH, Lunsford A et al. Radiosurgery Techniques and Current Devices. In: Szeifert GT, Kondziolka D, Levivier M, Lunsford LD, eds. *Radiosurgery and Pathological Fundamentals.* Vol 20. 2007:50-67.
- Nuyttens JJ, Prevost JB, Van der Voort van Zijp NC, Hoogeman M, Levendag PC. Curative stereotactic robotic radiotherapy treatment for extracranial, extrapulmonary, extrahepatic, and extraspinal tumors: technique, early results, and toxicity. *Technol.Cancer Res.Treat.* 2007;6:605-610.
- Oh BC, Pagnini PG, Wang MY et al. Stereotactic radiosurgery: adjacent tissue injury and response after high-dose single fraction radiation: Part I--Histology, imaging, and molecular events. *Neurosurgery* 2007;60:31-44.
- Patil CG, Veeravagu A, Bower RS et al. CyberKnife radiosurgical rhizotomy for the treatment of atypical trigeminal nerve pain. *Neurosurg.Focus.* 2007;23:E9.
- Pawlicki T, Kim GY, Hsu A et al. Investigation of linac-based image-guided hypofractionated prostate radiotherapy. *Med.Dosim.* 2007;32:71-79.
- Pawlicki T, Cotrutz C, King C. Prostate cancer therapy with stereotactic body radiation therapy. 2007:395-406.
- Pennathur A, Luketich JD, Burton S et al. Stereotactic radiosurgery for the treatment of lung neoplasm: initial experience. *Ann.Thorac.Surg* 2007;83:1820-1824.
- Pennathur A, Abbas G, Christie N, Landreneau R, Luketich JD. Video assisted thoracoscopic surgery and lobectomy, sublobar resection, radiofrequency ablation, and stereotactic radiosurgery: advances and controversies in the management of early stage non-small cell lung cancer. *Curr.Opin.Pulm.Med.* 2007;13:267-270.
- Ponsky LE. Radiosurgery: potential urologic applications. *Contemporary Urology* 2007;October 1, 2007:
- Rades D, Fehlaue F, Veninga T et al. Functional outcome and survival after radiotherapy of metastatic spinal cord compression in patients with cancer of unknown primary. *Int.J.Radiat.Oncol.Biol.Phys.* 2007;67:532-537.

- Rino Y, Sekino Y, Yamada T et al. [Irinotecan+cisplatin and irradiation are effective for brain metastases of gastric cancer--two case reports]. *Gan To Kagaku Ryoho* 2007;34:1095-1098.
- Roberts BK, Ouyang DL, Lad SP et al. Efficacy and safety of CyberKnife radiosurgery for acromegaly. *Pituitary* 2007
- Rodgers JE. Analysis of tenth-value-layers for common shielding materials for a robotically mounted stereotactic radiosurgery machine. *Health Phys* 2007;92:379-386.
- Romanelli P, Wowra B, Muacevic A. Multisession CyberKnife radiosurgery for optic nerve sheath meningiomas. *Neurosurg.Focus.* 2007;23:E11.
- Ryu S, Jin JY, Jin R et al. Partial volume tolerance of the spinal cord and complications of single-dose radiosurgery. *Cancer* 2007;109:628-636.
- Sahgal A, Chou D, Ames C et al. Image-guided robotic stereotactic body radiotherapy for benign spinal tumors: the university of california san francisco preliminary experience. *Technol.Cancer Res.Treat.* 2007;6:595-604.
- Sarfraz M. CyberKnife robotic arm stereotactic radiosurgery. *J.Am.Coll.Radiol.* 2007;4:563-565.
- Scemla R, Shah SM, Schwartz M, Barkin JS. Reply to Response to Letter: Colonic apple-core lesion resulting from CyberKnife treatment of unresectable pancreatic cancer. *Pancreas* 2007;34:168.
- Seppenwoolde Y, Berbeco RI, Nishioka S, Shirato H, Heijmen B. Accuracy of tumor motion compensation algorithm from a robotic respiratory tracking system: a simulation study. *Med.Phys.* 2007;34:2774-2784.
- Sharma SC, Ott JT, Williams JB, Dickow D. Commissioning and acceptance testing of a CyberKnife linear accelerator. *J.Appl.Clin.Med.Phys.* 2007;8:2473.
- Sherwood JT, Brock MV. Lung cancer: new surgical approaches. *Respirology* 2007;12:326-332.
- Smith V, Chuang CF. The CyberKnife: practical experience with treatment planning and delivery. 2007:143-161.
- Soltys SG, Adler JR, Lipani JD et al. Stereotactic Radiosurgery of the Postoperative Resection Cavity for Brain Metastases. *Int.J.Radiat.Oncol.Biol.Phys.* 2007
- Stancanello J, Cavedon C, Francescon P et al. BOLD fMRI integration into radiosurgery treatment planning of cerebral vascular malformations. *Med Phys* 2007;34:1176-1184.
- Suzuki O, Shiomi H, Nakamura S et al. Novel correction methods as alternatives for the six-dimensional correction in CyberKnife treatment. *Radiat.Med.* 2007;25:31-37.
- Wong KH, Dieterich S, Tang J, Cleary K. Quantitative Measurement of CyberKnife Robotic Arm Steering. *Technol.Cancer Res.Treat.* 2007;6:589-594.
- Yousefi S, Collins BT, Reichner CA et al. Complications of thoracic computed tomography-guided fiducial placement for the purpose of stereotactic body radiation therapy. *Clin Lung Cancer* 2007;8:252-256.
- Zytkovicz A, Daftari I, Phillips TL et al. Peripheral dose in ocular treatments with CyberKnife and Gamma Knife radiosurgery compared to proton radiotherapy. *Phys.Med.Biol.* 2007;52:5957-5971.
- Adler JR, Jr., Gibbs IC, Puataweepong P, Chang SD. Visual field preservation after multisession CyberKnife radiosurgery for perioptic lesions. *Neurosurgery* 2006;59:244-254.
- Andrews DW, Bednarz G, Evans JJ, Downes B. A review of 3 current radiosurgery systems. *Surg Neurol* 2006;66:559-564.
- Araki F. Monte Carlo study of a CyberKnife stereotactic radiosurgery system. *Med Phys* 2006;33:2955-2963.
- Casamassima F, Cavedon C, Francescon P et al. Use of motion tracking in stereotactic body radiotherapy: Evaluation of uncertainty in off-target dose distribution and optimization strategies. *Acta Oncol* 2006;45:943-947.

- Chen HH, Tsai ST, Wang MS et al. Experience in fractionated stereotactic body radiation therapy boost for newly diagnosed nasopharyngeal carcinoma. *Int J Radiat Oncol Biol Phys* 2006;66:1408-1414.
- Cheng, W. and J. R. Adler. An Overview of CyberKnife Radiosurgery. *Chinese Journal of Clinical Oncology* 3(4), 229-243. 2006.
Ref Type: Generic
- Chung YW, Han DS, Paik CH et al. Localized esophageal ulcerations after CyberKnife treatment for metastatic hepatic tumor of colon cancer. *Korean J Gastroenterol* 2006;47:449-453.
- Collins SP, Coppa ND, Zhang Y et al. CyberKnife(R) radiosurgery in the treatment of complex skull base tumors: analysis of treatment planning parameters. *Radiat Oncol* 2006;1:46.
- Cozzi L, Clivio A, Bauman G et al. Comparison of advanced irradiation techniques with photons for benign intracranial tumours. *Radiation Oncol* 2006;80:268-273.
- Daftari IK, Petti PL, Shrieve DC, Phillips TL. Newer radiation modalities for choroidal tumors. *Int Ophthalmol.Clin.* 2006;46:69-79.
- de Crevoisier R, Lagrange JL, Messai T, M'Barek B, Lefkopoulos D. [Prostate localization systems for prostate radiotherapy]. *Cancer Radiother* 2006;10:394-401.
- Dodd RL, Ryu MR, Kamnerdsupaphon P et al. CyberKnife radiosurgery for benign intradural extramedullary spinal tumors. *Neurosurgery* 2006;58:674-685.
- Fenwick JD, Tome WA, Soisson ET, Mehta MP, Rock Mackie T. Tomotherapy and other innovative IMRT delivery systems. *Semin Radiat Oncol* 2006;16:199-208.
- Gerszten P, Burton S, Ozhasoglu C et al. Radiosurgery for the management of spinal metastases. In: Kondziolka D, ed. *Radiosurgery*. Basel: Karger; 2006:199-210.
- Gerszten PC, Burton SA, Ozhasoglu C et al. Radiosurgery for the management of spinal metastases. In: Kondziolka D, ed. *Radiosurgery*. Basel: Karger; 2006:199-210.
- Gerszten PC, Burton SA, Belani CP et al. Radiosurgery for the treatment of spinal lung metastases. *Cancer* 2006;107:2653-2661.
- Gibbs IC. Frameless image-guided intracranial and extracranial radiosurgery using the CyberKnife robotic system. *Cancer Radiother* 2006;10:283-287.
- Gwak HS, Youn SM, Chang U et al. Usefulness of (18)F-fluorodeoxyglucose PET for radiosurgery planning and response monitoring in patients with recurrent spinal metastasis. *Minim Invasive Neurosurg* 2006;49:127-134.
- Hoffelt C. Gamma Knife vs. CyberKnife. *Oncology Issues* 2006;September/October:18-20.
- Le QT, Loo BW, Ho A et al. Results of a phase I dose-escalation study using single-fraction stereotactic radiotherapy for lung tumors. *Journal of Thoracic Oncology* 2006;1:802-809.
- Lim M, Adler JR. CyberKnife radiosurgery for extremity schwannomas: technical note and case report. *Stereotact Funct Neurosurg* 2006;84:60-63.
- Lim M, Cotrutz C, Romanelli P et al. Stereotactic radiosurgery using CT cisternography and non-isocentric planning for the treatment of trigeminal neuralgia. *Comput Aided Surg* 2006;11:11-20.
- Lotan Y, Stanfield J, Cho LC et al. Efficacy of high dose per fraction radiation for implanted human prostate cancer in a nude mouse model. *J Urol* 2006;175:1932-1936.
- Muacevic A, Staehler M, Drexler C et al. Technical description, phantom accuracy, and clinical feasibility for fiducial-free frameless real-time image-guided spinal radiosurgery. *J Neurosurg Spine* 2006;5:303-312.
- Nishizaki T, Saito K, Jimi Y et al. The role of CyberKnife radiosurgery/radiotherapy for brain metastases of multiple or large-size tumors. *Minim Invasive Neurosurg* 2006;49:203-209.

Nuyttens JJ, Prevost JB, Praag J et al. Lung tumor tracking during stereotactic radiotherapy treatment with the CyberKnife: Marker placement and early results. *Acta Oncol* 2006;45:961-965.

On AV, Hirschbein MJ, Williams HJ, Karesh JW. CyberKnife radiosurgery and rituximab in the successful management of sclerosing idiopathic orbital inflammatory disease. *Ophthal Plast Reconstr Surg* 2006;22:395-397.

Petti PL, Chuang CF, Smith V, Larson DA. Peripheral doses in CyberKnife radiosurgery. *Med Phys* 2006;33:1770-1779.

Pishvaian AC, Collins B, Gagnon G, Ahlawat S, Haddad NG. EUS-guided fiducial placement for CyberKnife radiotherapy of mediastinal and abdominal malignancies. *Gastrointest Endosc* 2006;64:412-417.

Romanelli P, Anselmi DJ. Radiosurgery for epilepsy. *Lancet Neurol*. 2006;5:613-620.

Romanelli P, Schweikard A, Schlaefer A, Adler JR. Computer aided robotic radiosurgery. *Computer Aided Surgery* 2006;11:161-174.

Romanelli P, Schaal DW, Adler JR. Image-guided radiosurgical ablation of intra- and extra-cranial lesions. *Technol Cancer Res Treat* 2006;5:421-428.

Saito K, Kajiwara K, Ishihara H, Nomura S, Suzuki M. [CyberKnife robotic radiosurgery]. *No To Shinkei* 2006;58:277-288.

Scemla R, Shah SM, Schwartz M, Barkin JS. Colonic apple-core lesion resulting from CyberKnife treatment of unresectable pancreatic cancer. *Pancreas* 2006;32:332-333.

Schweikard A, Shiomi H, Uchida M, Adler JR. Whole-body radiosurgery with the CyberKnife. In: Slotman BJ, Solberg TD, Verellen D, eds. *Extracranial Stereotactic Radiotherapy and Radiosurgery*. New York: Taylor & Francis; 2006:71-87.

Schweikard A, Schlaefer A, Adler JR, Jr. Resampling: an optimization method for inverse planning in robotic radiosurgery. *Med.Phys.* 2006;33:4005-4011.

Selvaggi K, Abraham J. Metastatic spinal cord compression: the hidden danger. *Nat Clin Pract Oncol* 2006;3:458-461.

Silvano G. New radiation techniques for treatment of locally advanced non-small cell lung cancer (NSCLC). *Ann Oncol* 2006;17 Suppl 2:ii34-ii35.

Sinclair J, Chang SD, Gibbs IC, Adler JR, Jr. Multisession CyberKnife radiosurgery for intramedullary spinal cord arteriovenous malformations. *Neurosurgery* 2006;58:1081-1089.

Steffey-Stacy EC. Frameless, image-guided stereotactic radiosurgery. *Semin Oncol Nurs* 2006;22:221-232.

Su JM, Huang YF, Chen HH, Cheng YM, Chou CY. Three-dimensional power doppler ultrasound is useful to monitor the response to treatment in a patient with primary papillary serous carcinoma of the peritoneum. *Ultrasound Med Biol* 2006;32:623-626.

Voynov G, Heron DE, Burton S et al. Frameless stereotactic radiosurgery for recurrent head and neck carcinoma. *Technol Cancer Res Treat* 2006;5:529-535.

Walsh L, Stanfield JL, Cho LC et al. Efficacy of Ablative High-Dose-per-Fraction Radiation for Implanted Human Renal Cell Cancer in a Nude Mouse Model. *Eur Urol* 2006

Wong ET, Lu XQ, Devulapalli J, Mahadevan A. CyberKnife radiosurgery for basal skull plasmacytoma. *J Neuroimaging* 2006;16:361-363.

Yoshikawa K, Saito K, Kajiwara K et al. CyberKnife stereotactic radiotherapy for patients with malignant glioma. *Minim Invasive Neurosurg* 2006;49:110-115.

CyberKnife radiosurgery. *Clin Privil White Pap* 20051-12.

Adler J, Archer JS, Avanzo M et al. *Robotic Radiosurgery Vol. 1.*; 2005.

Adler JR, Jr. Accuray, incorporated: a neurosurgical business case study. *Clin Neurosurg* 2005;52:87-96.

- Babbitz JD, Harsh GR. Concomitant ectatic posterior communicating artery and tentorial meningioma as a source of oculomotor palsy: case report. *Neurosurgery* 2005;57:E1316.
- Bhatnagar AK, Gerszten PC, Ozhasaglu C et al. CyberKnife Frameless Radiosurgery for the treatment of extracranial benign tumors. *Technol Cancer Res Treat* 2005;4:571-576.
- Boyd ME. Advantages of stereotactic radiosurgery (SRS) over other radiotherapy techniques. *Progress in Biomedical Optics and Imaging* 2005;6:291-300.
- Bucholz RD, Gagnon GJ, Gerszten PC et al. *Robotic Radiosurgery*. Sunnyvale, CA: CyberKnife Society Press; 2005.
- Chang SD, Gibbs IC, Sakamoto GT et al. Staged stereotactic irradiation for acoustic neuroma. *Neurosurgery* 2005;56:1254-1261.
- Chang SD. The CyberKnife: potential in patients with cranial and spinal tumors. *American Journal of Cancer* 2005;4:383-393.
- Choi JY. [Experimental treatment of hepatocellular carcinoma]. *Korean J Gastroenterol* 2005;45:271-276.
- Coste-Maniere E, Olender D, Kilby W, Schulz RA. Robotic whole body stereotactic radiosurgery: Clinical advantages of the CyberKnife integrated system. *Medical Robotics and Computer Assisted Surgery* 2005;1:28-39.
- Degen JW, Gagnon GJ, Voyadzis JM et al. CyberKnife stereotactic radiosurgical treatment of spinal tumors for pain control and quality of life. *J Neurosurg Spine* 2005;2:540-549.
- El-Sherif A, Luketich JD, Landreneau RJ, Fernando HC. New therapeutic approaches for early stage non-small cell lung cancer. *Surg Oncol* 2005;14:27-32.
- Fu D, Kuduvalli G, Mitrovic V, Main W, Thomson L. Automated skull tracking for the CyberKnife image-guided radiosurgery system. In: Reinhardt JM, Pluim JP, eds. *SPIE Medical Imaging: Image Processing*. Vol 5744. San Diego, CA: SPIE; 2005:366-377.
- Gerszten PC, Burton SA, Ozhasoglu C et al. Stereotactic radiosurgery for spinal metastases from renal cell carcinoma. *J Neurosurg Spine* 2005;3:288-295.
- Gerszten PC, Burton SA, Quinn AE, Agarwala SS, Kirkwood JM. Radiosurgery for the treatment of spinal melanoma metastases. *Stereotact Funct Neurosurg* 2005;83:213-221.
- Gerszten PC, Burton SA, Welch WC et al. Single-fraction radiosurgery for the treatment of spinal breast metastases. *Cancer* 2005;104:2244-2254.
- Gerszten PC, Germanwala A, Burton SA et al. Combination kyphoplasty and spinal radiosurgery: a new treatment paradigm for pathological fractures. *J Neurosurg Spine* 2005;3:296-301.
- Giller CA, Berger BD. New frontiers in radiosurgery for the brain and body. *Proc (Bayl Univ Med Cent)* 2005;18:311-319.
- Giller CA, Berger BD, Pistenmaa DA et al. Robotically guided radiosurgery for children. *Pediatr Blood Cancer* 2005;45:304-310.
- Gwak HS, Yoo HJ, Youn SM et al. Hypofractionated stereotactic radiation therapy for skull base and upper cervical chordoma and chondrosarcoma: preliminary results. *Stereotact Funct Neurosurg* 2005;83:233-243.
- Heilbrun MP. *CyberKnife Radiosurgery - Practical Guide 2*. Sunnyvale, CA: CyberKnife Society Press; 2005.
- Heilbrun MP. *CyberKnife Radiosurgery - A Practical Guide*. Sunnyvale, CA: CyberKnife Society Press; 2005.
- Isaksson M, Jalden J, Murphy MJ. On using an adaptive neural network to predict lung tumor motion during respiration for radiotherapy applications. *Med Phys* 2005;32:3801-3809.
- Kajiwaru K, Saito K, Yoshikawa K et al. Image-guided stereotactic radiosurgery with the CyberKnife for pituitary adenomas. *Minim Invasive Neurosurg* 2005;48:91-96.

- Koong AC, Christofferson E, Le QT et al. Phase II study to assess the efficacy of conventionally fractionated radiotherapy followed by a stereotactic radiosurgery boost in patients with locally advanced pancreatic cancer. *Int J Radiat Oncol Biol Phys* 2005;63:320-323.
- Lartigau E, Levendag PC. The Importance of Hypoxia and Hypofractionation for CyberKnife Stereotactic Radiosurgery. 2005:
- Lim M, Villavicencio AT, Burneikiene S et al. CyberKnife radiosurgery for idiopathic trigeminal neuralgia. *Neurosurg Focus* 2005;18:E9.
- Maruno M, Yoshimine T, Inoue T. [Stereotactic radiotherapy (CyberKnife)]. *Nippon Rinsho* 2005;63 Suppl 9:425-431.
- Ogita M, Kameda N, Fujimori T et al. [CyberKnife image-guided robotic frameless fractionated stereotactic radiotherapy for metastatic brain tumors]. *Nippon Rinsho* 2005;63 Suppl 9:633-638.
- Psarros TG, Mickey B, Gilio J et al. Gliosarcoma cell death after radiosurgery in a rat model. *Minim Invasive Neurosurg* 2005;48:142-148.
- Reichner CA, Collins BT, Gagnon GJ et al. The placement of gold fiducials for CyberKnife stereotactic radiosurgery using a modified transbronchial needle aspiration technique. *Journal of Bronchology* 2005;12:193-195.
- Russakoff DB, Rohlfing T, Adler JR, Jr., Maurer CR, Jr. Intensity-based 2D-3D spine image registration incorporating a single fiducial marker. *Acad Radiol* 2005;12:37-50.
- Russakoff DB, Rohlfing T, Mori K et al. Fast generation of digitally reconstructed radiographs using attenuation fields with application to 2D-3D image registration. *IEEE Trans Med Imaging* 2005;24:1441-1454.
- Schlaefer A, Fisseler J, Dieterich S et al. Feasibility of four-dimensional conformal planning for robotic radiosurgery. *Med Phys* 2005;32:3786-3792.
- Schweikard A, Shiomi H, Adler JR. Respiration tracking in radiosurgery without fiducials. *Medical Robotics and Computer Assisted Surgery* 2005;1:19-27.
- Sinclair J, Marks MP, Levy RP et al. Visual field preservation after curative multi-modality treatment of occipital lobe arteriovenous malformations. *Neurosurgery* 2005;57:655-667.
- Stancanello J, Berna E, Cavedon C et al. Preliminary study on the use of nonrigid registration for thoraco-abdominal radiosurgery. *Med Phys* 2005;32:3777-3785.
- Tamesue K, Hara K, Hara F, Nakajima T. Pericardial reconstruction using a pedicle flap of the diaphragmatic central tendon. *Jpn J Thorac Cardiovasc Surg* 2005;53:494-497.
- Welch WC, Gerszten PC. Accuray CyberKnife image-guided radiosurgical system. *Expert Rev Med Devices* 2005;2:141-147.
- Adler JR, Jr., Colombo F, Heilbrun MP, Winston K. Toward an expanded view of radiosurgery. *Neurosurgery* 2004;55:1374-1376.
- Araki F, Moribe N, Shimonobou T, Yamashita Y. Dosimetric properties of radiophotoluminescent glass rod detector in high-energy photon beams from a linear accelerator and cyber-knife. *Med Phys* 2004;31:1980-1986.
- Chang S, Adler JR, Steinberg G. Image-guided spinal stereotactic radiosurgery. In: Winn HR, ed. *Youman's Neurological Surgery*. Philadelphia: WB Saunders; 2004:3991-3998.
- Chang S, Gibbs I, Martin D, Adler JR. The CyberKnife. In: Dickman CA, Fehlings MG, Gokaslan ZL, eds. *Spinal Cord and Spinal Column Tumors: Principles and Practice*. New York: Thieme; 2004:
- Deng J, Guerrero T, Ma CM, Nath R. Modelling 6 MV photon beams of a stereotactic radiosurgery system for Monte Carlo treatment planning. *Phys Med Biol* 2004;49:1689-1704.
- Gerszten PC, Ozhasoglu C, Burton SA et al. CyberKnife frameless stereotactic radiosurgery for spinal lesions: clinical experience in 125 cases. *Neurosurgery* 2004;55:89-98.
- Gerszten PC, Welch WC. CyberKnife radiosurgery for metastatic spine tumors. *Neurosurg Clin N Am* 2004;15:491-501.

- Gibbs IC, Chang SD, Pham C, Adler JR. Radiation tolerance of the spinal cord to staged radiosurgery. In: Kondziolka D, ed. *Radiosurgery 2003*. Basel: Karger; 2004:22-28.
- Giller CA, Berger BD, Gilio JP et al. Feasibility of radiosurgery for malignant brain tumors in infants by use of image-guided robotic radiosurgery: preliminary report. *Neurosurgery* 2004;55:916-924.
- Hamamoto Y, Manabe T, Nishizaki O et al. Influence of collimator size on three-dimensional conformal radiotherapy of the CyberKnife. *Radiat Med* 2004;22:442-448.
- Heilbrun MP, Olender D. The Treatment Planning System. In: Heilbrun MP, ed. *CyberKnife Radiosurgery: A Practical Guide*. Sunnyvale, CA: CyberKnife Society; 2004.
- Ho A, Cotrutz C, Chang SD, Adler JR, Gibbs IC. Quality assurance of the CyberKnife fiducial and skull tracking systems. In: Kondziolka D, ed. *Radiosurgery 2003*. Basel: Karger; 2004:255-259.
- Ho A. CyberKnife Physics and Quality Assurance. In: Heilbrun MP, ed. *CyberKnife Radiosurgery: A Practical Guide*. Sunnyvale, California: CyberKnife Society; 2004.
- Ishihara H, Saito K, Nishizaki T et al. CyberKnife radiosurgery for vestibular schwannoma. *Minim Invasive Neurosurg* 2004;47:290-293.
- Koong AC, Le QT, Ho A et al. Phase I study of stereotactic radiosurgery in patients with locally advanced pancreatic cancer. *Int J Radiat Oncol Biol Phys* 2004;58:1017-1021.
- Lim M, Gibbs IC, Adler JR, Jr., Chang SD. Efficacy and safety of stereotactic radiosurgery for glomus jugulare tumors. *Neurosurg Focus* 2004;17:E11.
- Murphy MJ. Tracking moving organs in real time. *Semin Radiat Oncol* 2004;14:91-100.
- Ogino T. Recent advances in cancer radiation therapy. *Biotherapy* 2004;18:549-554.
- Pham CJ, Chang SD, Gibbs IC et al. Preliminary visual field preservation after staged CyberKnife radiosurgery for perioptic lesions. *Neurosurgery* 2004;54:799-810.
- Psarros TG, Mickey B, Gall K et al. Image-guided robotic radiosurgery in a rat glioma model. *Minim Invasive Neurosurg* 2004;47:266-272.
- Rock JP, Ryu S, Yin FF, Schreiber F, Abdulhak M. The evolving role of stereotactic radiosurgery and stereotactic radiation therapy for patients with spine tumors. *J Neurooncol* 2004;69:319-334.
- Romanelli P, Chang SD, Gibbs IC, Heit G, Adler JR. Temporal pattern of pain relief using CyberKnife radiosurgery for trigeminal neuralgia: a preliminary report. In: Kondziolka D, ed. *Radiosurgery 2003*. Basel: Karger; 2004:181-189.
- Romanelli P, Esposito V, Adler J. Ablative procedures for chronic pain. *Neurosurg Clin N Am* 2004;15:335-342.
- Schweikard A, Shiomi H, Adler J. Respiration tracking in radiosurgery. *Med Phys* 2004;31:2738-2741.
- Seong J. [Recent developments in radiotherapy of hepatocellular carcinoma]. *Korean J Hepatol* 2004;10:241-247.
- Sou R, Oku N, Ohguro N et al. The clinical role of N-isopropyl-p-[123I]-iodoamphetamine single photon emission computed tomography in the follow-up of choroidal melanoma after radiotherapy. *Jpn J Ophthalmol* 2004;48:54-58.
- Stancanello J, Cavedon C, Francescon P et al. Development and validation of a CT-3D rotational angiography registration method for AVM radiosurgery. *Med Phys* 2004;31:1363-1371.
- West JB, Maurer CR, Jr. Designing optically tracked instruments for image-guided surgery. *IEEE Trans Med Imaging* 2004;23:533-545.
- Yu C, Main W, Taylor D et al. An anthropomorphic phantom study of the accuracy of CyberKnife spinal radiosurgery. *Neurosurgery* 2004;55:1138-1149.

- Yu C, Jozsef G, Apuzzo ML, Petrovich Z. Measurements of the relative output factors for CyberKnife collimators. *Neurosurgery* 2004;54:157-161.
- Zhou T, Tang J, Dieterich S. A Robotic 3-D Motion simulator for Enhanced Accuracy in CyberKnife Stereotactic Radiosurgery. In: Lemke HU, Vannier MW, Inamura K, eds. *Proceedings of the 18th International Congress Computer Aided Radiology and Surgery*. London: Elsevier; 2004:323-328.
- Chang SD, Main W, Martin DP, Gibbs IC, Heilbrun MP. An analysis of the accuracy of the CyberKnife: a robotic frameless stereotactic radiosurgical system. *Neurosurgery* 2003;52:140-146.
- Chang SD, Sakamoto GT. The role of radiosurgery for hemangiopericytomas. *Neurosurg Focus* 2003;14:e14.
- Deng J, Ma CM, Hai J, Nath R. Commissioning 6 MV photon beams of a stereotactic radiosurgery system for Monte Carlo treatment planning. *Med Phys* 2003;30:3124-3134.
- Derweesh IH, Novick AC. Small renal tumors: natural history, observation strategies and emerging modalities of energy based tumor ablation. *Can J Urol* 2003;10:1871-1879.
- Gerszten PC, Ozhasoglu C, Burton SA et al. CyberKnife frameless single-fraction stereotactic radiosurgery for tumors of the sacrum. *Neurosurg Focus* 2003;15:E7.
- Gerszten PC, Ozhasoglu C, Burton SA et al. Evaluation of CyberKnife frameless real-time image-guided stereotactic radiosurgery for spinal lesions. *European Journal of Cancer Supplements* 2003;1:S151.
- Gerszten PC, Welch WC. CyberKnife Radiosurgery for the Spine. *Techniques in Neurosurgery.Radiosurgery* 2003;9:232-241.
- Gerszten PC, Ozhasoglu C, Burton SA et al. CyberKnife frameless single-fraction stereotactic radiosurgery for benign tumors of the spine. *Neurosurg Focus* 2003;14:e16.
- Gerszten PC, Ozhasoglu C, Burton SA et al. Evaluation of CyberKnife frameless real-time image-guided stereotactic radiosurgery for spinal lesions. *Stereotact Funct Neurosurg* 2003;81:84-89.
- Gibbs IC, Chang SD. Radiosurgery and radiotherapy for sacral tumors. *Neurosurg Focus* 2003;15:E8.
- King CR, Lehmann J, Adler JR, Hai J. CyberKnife radiotherapy for localized prostate cancer: rationale and technical feasibility. *Technol Cancer Res Treat* 2003;2:25-30.
- Kuo JS, Yu C, Petrovich Z, Apuzzo ML. The CyberKnife stereotactic radiosurgery system: description, installation, and an initial evaluation of use and functionality. *Neurosurgery* 2003;53:1235-1239.
- Le QT, Tate D, Koong A et al. Improved local control with stereotactic radiosurgical boost in patients with nasopharyngeal carcinoma. *Int J Radiat Oncol Biol Phys* 2003;56:1046-1054.
- Lim M, Gibbs IC, Adler JR, Jr., Martin DP, Chang SD. The efficacy of linear accelerator stereotactic radiosurgery in treating glomus jugulare tumors. *Technol Cancer Res Treat* 2003;2:261-265.
- Murphy MJ, Chang SD, Gibbs IC et al. Patterns of patient movement during frameless image-guided radiosurgery. *Int J Radiat Oncol Biol Phys* 2003;55:1400-1408.
- Ponsky LE, Crownover RL, Rosen MJ et al. Initial evaluation of CyberKnife technology for extracorporeal renal tissue ablation. *Urology* 2003;61:498-501.
- Romanelli P, Chang SD, Koong A, Adler JR. Extracranial radiosurgery using the CyberKnife. *Techniques in Neurosurgery.Radiosurgery* 2003;9:226-231.
- Romanelli P, Heit G, Chang SD et al. CyberKnife radiosurgery for trigeminal neuralgia. *Stereotact Funct Neurosurg* 2003;81:105-109.
- Ryu S, Kim D, Martin D, Chang S, Adler JR. Image-guided spinal stereotactic radiosurgery. In: Harkey L, ed. *Techniques in Neurosurgery*. New York: Lippincott-Raven; 2003:56-64.

- Ryu SI, Kim DH, Chang SD. Stereotactic radiosurgery for hemangioblastomas and ependymomas of the spinal cord. *Neurosurg Focus* 2003;15:E10.
- Sato K, Baba Y, Inoue M, Omori R. Radiation necrosis and brain edema association with CyberKnife treatment. *Acta Neurochir Suppl* 2003;86:513-517.
- Whyte RI, Crownover R, Murphy MJ et al. Stereotactic radiosurgery for lung tumors: preliminary report of a phase I trial. *Ann Thorac Surg* 2003;75:1097-1101.
- Yu C, Shepard D. Treatment planning for stereotactic radiosurgery with photon beams. *Technol Cancer Res Treat* 2003;2:93-104.
- Yu C, Jozsef G, Apuzzo ML, Petrovich Z. Dosimetric comparison of CyberKnife with other radiosurgical modalities for an ellipsoidal target. *Neurosurgery* 2003;53:1155-1162.
- Adler JR. CyberKnife radiosurgery for brain and spinal tumors. In: K W, ed. *Developments in Neuroscience. Proceedings of the 2nd Mt. Bandai Symposium*. Amsterdam: Elsevier; 2002:545-552.
- Adler JR, Jr. Surgical guidance now and in the future: the next generation of instrumentation. *Clin Neurosurg* 2002;49:105-114.
- Bodduluri M, McCarthy JM. X-ray guided robotic radiosurgery for solid tumors. *Industrial Robot: An International Journal* 2002;29:227.
- Chang SD, Martin DP, Adler JR. Stereotactic radiosurgery with the CyberKnife. In: Schulder M, ed. *The Handbook of Stereotactic and Functional Neurosurgery*. New York: Marcel Dekker; 2002:245-255.
- Chang SD, Gibbs IC, Martin DP, Adler JR. Image-guided robotic radiosurgery. In: Germano IM, ed. *Advanced Techniques in Image-guided Brain and Spine Surgery*. New York: Thieme; 2002:107-113.
- Deguchi K, Fukuiwa T, Saito K, Kurono Y. Application of CyberKnife for the treatment of juvenile nasopharyngeal angiofibroma: a case report. *Auris Nasus Larynx* 2002;29:395-400.
- Gerszten PC, Ozhasoglu C, Burton SA, Kalnicki S, Welch WC. Feasibility of frameless single-fraction stereotactic radiosurgery for spinal lesions. *Neurosurg Focus* 2002;13:e2.
- Mehta VK, Lee QT, Chang SD, Cherney S, Adler JR, Jr. Image guided stereotactic radiosurgery for lesions in proximity to the anterior visual pathways: a preliminary report. *Technol Cancer Res Treat* 2002;1:173-180.
- Murphy MJ, Martin D, Whyte R et al. The effectiveness of breath-holding to stabilize lung and pancreas tumors during radiosurgery. *Int J Radiat Oncol Biol Phys* 2002;53:475-482.
- Murphy MJ. Fiducial-based targeting accuracy for external-beam radiotherapy. *Med Phys* 2002;29:334-344.
- Ozhasoglu C, Murphy MJ. Issues in respiratory motion compensation during external-beam radiotherapy. *Int J Radiat Oncol Biol Phys* 2002;52:1389-1399.
- Quinn AM. CyberKnife: a robotic radiosurgery system. *Clin J Oncol Nurs* 2002;6:149, 156.
- Sattah M, Guerrero T, Chang S et al. Image guided extracranial radiosurgery. In: Kogelnik H, Lukas P, Sedlmayer F, eds. *Progress in Radio-Oncology*. Bologna: Monduzzi Editore-International Proceedings Division; 2002:153-162.
- Shimamoto S, Inoue T, Shiomi H et al. CyberKnife stereotactic irradiation for metastatic brain tumors. *Radiat Med* 2002;20:299-304.
- Yamamoto T, Teshima T, Miyajima S et al. Monte Carlo calculation of depth doses for small field of CyberKnife. *Radiat Med* 2002;20:305-310.
- CyberKnife image-guided radiosurgery system successful. *Expert Rev Anticancer Ther* 2001;1:166.
- Chang SD, Martin DP, Lee E, Adler JR. Stereotactic radiosurgery and hypofractionated radiotherapy for residual or recurrent cranial base and cervical chordomas. *Neurosurgical Focus* 2001;10:Article.
- Chang SD, Adler JR, Jr. Current status and optimal use of radiosurgery. *Oncology (Williston Park)* 2001;15:209-216.

- Chang SD, Adler JR. Robotics and radiosurgery--the CyberKnife. *Stereotact Funct Neurosurg* 2001;76:204-208.
- Chang SD, Murphy MJ, Martin DP, Adler JR. Frameless stereotactic radiosurgery. In: Petrovich Z, Brady LW, Apuzzo ML, Bamberg M, eds. *Medical Radiology. Diagnostic Imaging and Radiation Oncology*. Berlin: Springer-Verlag; 2001:387-396.
- Inoue T, Inoue T, Shiomi H, Shimamoto S. [Clinical experience of new stereotactic radiotherapy system named CyberKnife]. *Nippon Rinsho* 2001;59:1624-1631.
- Murphy MJ, Chang S, Gibbs I et al. Image-guided radiosurgery in the treatment of spinal metastases. *Neurosurg Focus* 2001;11:e6.
- Ryu SI, Chang SD, Kim DH et al. Image-guided hypo-fractionated stereotactic radiosurgery to spinal lesions. *Neurosurgery* 2001;49:838-846.
- Shiomi H, Inoue T, Nakamura S et al. [CyberKnife]. *Igaku Butsuri* 2001;21:11-16.
- Takano N, Saito K, Tangoku A, Oka M. [Local therapy for stage IV advanced breast cancer with brain metastasis]. *Gan To Kagaku Ryoho* 2001;28:1783-1786.
- Chang SD, Adler JR. Current treatment of patients with multiple brain metastases. *Neurosurgical Focus* 2000;9:Article.
- Chang SD, Murphy MJ, Martin DP et al. Image-guided robotic radiosurgery: clinical and radiographic results with the CyberKnife. In: Kondziolka D, ed. *Radiosurgery* 1999. Basel: Karger; 2000:23-33.
- Chang SD, Lee E, Sakamoto GT, Brown NP, Adler JR. Stereotactic radiosurgery in patients with multiple brain metastases. *Neurosurgical Focus* 2000;9:Article.
- Chenery SG, Massoudi F, De Salles AAF et al. Clinical experience with the CyberKnife at newport radiosurgery center. In: exander III E, Kondziolka D, Lindquist C, Loeffler JS, Smee R, eds. *Radiosurgery* 1999. Basel, Switzerland: Karger; 2000:34-40.
- Harada K, Nishizaki T, Adachi N, Suzuki M, Ito H. Pediatric acoustic schwannoma showing rapid regrowth with high proliferative activity. *Childs Nerv Syst* 2000;16:134-137.
- Murphy MJ, Adler JR, Jr., Bodduluri M et al. Image-guided radiosurgery for the spine and pancreas. *Comput Aided Surg* 2000;5:278-288.
- Schweikard A, Glosser G, Bodduluri M, Murphy MJ, Adler JR. Robotic motion compensation for respiratory movement during radiosurgery. *Comput Aided Surg* 2000;5:263-277.
- Shiomi H, Inoue T, Nakamura S, Inoue T. Quality assurance for an image-guided frameless radiosurgery system using radiochromic film. *Radiat Med* 2000;18:107-113.
- Webb S. Conformal intensity-modulated radiotherapy (IMRT) delivered by robotic linac--conformality versus efficiency of dose delivery. *Phys Med Biol* 2000;45:1715-1730.
- Adler JR, Bath J, Chang SD et al. Image-Guided Neurosurgery using the Optical Tracking System (OTS). In: RE W, ed. *Procedure Technique Series.: Radionics*; 1999:1-19.
- Adler JR, Jr., Murphy MJ, Chang SD, Hancock SL. Image-guided robotic radiosurgery. *Neurosurgery* 1999;44:1299-1306.
- Chang SD, Murphy MJ, Doty JR, Adler JR. Stereotactic Radiosurgery: New Innovations. In: Fisher III WS, ed. *Perspectives in Neurological Surgery*. Baltimore: Thieme; 1999:145-153.
- Chang SD, Murphy MJ, Tombropoulos R, Adler JR. Robotic radiosurgery. In: exander III E, Maciunas RJ, eds. *Advanced Neurosurgical Navigation*. New York: Thieme; 1999:443-449.
- Chang SD, Tate DJ, Goffinet DR, Martin DP, Adler JR, Jr. Treatment of nasopharyngeal carcinoma: stereotactic radiosurgical boost following fractionated radiotherapy. *Stereotact Funct Neurosurg* 1999;73:64-67.
- Murphy MJ. The importance of computed tomography slice thickness in radiographic patient positioning for radiosurgery. *Med Phys* 1999;26:171-175.

Tombropoulos RZ, Adler JR, Latombe JC. CARABEAMER: a treatment planner for a robotic radiosurgical system with general kinematics. *Med Image Anal* 1999;3:237-264.

Adler JR, Schweikard A, Murphy MJ, Hancock SL. Image-guided CyberKnife radiosurgery. In: Barnett G, Roberts D, Maciunas RJ, eds. *Image-Guided Neurosurgery: Clinical Applications of Interactive Surgical Navigation.*: Quality Medical Publishing; 1998:193-204.

Adler JR, Jr., Schweikard A, Murphy M, Hancock SL. *Image CyberKnife Radiosurgery*. 1998:

Ameduri SA, Newman WS, Weinhaus M, Glosser G, MacKlis R. Feasibility of human / robot cooperation in image-directed radiation oncology. *Society of Photo-optical Instrumentation Engineers* 1998;3524:50-59.

Chang SD, Adler JR, Murphy MJ. Stereotactic Radiosurgery of spinal lesions. In: Maciunas RJ, ed. *Advanced Techniques in Central Nervous System Metastases*. Park Ridge, IL: American Association of Neurological Surgeons; 1998:269-276.

Chang SD, Murphy M, Geis P et al. Clinical experience with image-guided robotic radiosurgery (the CyberKnife) in the treatment of brain and spinal cord tumors. *Neurol Med Chir (Tokyo)* 1998;38:780-783.

Chang SD, Adler JR, Jr., Hancock SL. Clinical uses of radiosurgery. *Oncology (Williston Park)* 1998;12:1181-8, 1191.

Chenery SG, Chehabi HH, Davis DM, Adler JR. The CyberKnife: beta system description and initial clinical results. *Journal of Radiosurgery* 1998;1:241-249.

Schweikard A, Bodduluri M, Adler JR. Planning for camera-guided robotic radiosurgery. *IEEE Transactions on Robotics and Automation* 1998;14:951-962.

Tombropoulos R, Latombe JC, Adler JR. Inverse treatment planning for the CyberKnife. In: Kondziolka D, ed. *Radiosurgery 1997*. Basel, Switzerland: Karger; 1998:236-250.

Adler JR, Jr., Chang SD, Murphy MJ et al. The CyberKnife: a frameless robotic system for radiosurgery. *Stereotact Funct Neurosurg* 1997;69:124-128.

Chenery SG. Unique radiation safety aspects of a robotic linac for stereotactic radiosurgery. *Health Physics of Radiation-Generating Machines, Proceedings of 30th Midyear Topical Health Physics Society*. McLean, VA 1997:481-485.

Murphy MJ. An automatic six-degree-of-freedom image registration algorithm for image-guided frameless stereotactic radiosurgery. *Med Phys* 1997;24:857-866.

Schweikard A, Adler JR. Robotic radiosurgery with noncylindrical collimators. *Comput Aided Surg* 1997;2:124-134.

Adler JR, Cox RS. Preliminary clinical experience with the CyberKnife: image-guided stereotactic radiosurgery. In: exander III E, Kondziolka D, Loeffler JS, eds. *Radiosurgery 1995*. Basel, Switzerland: Karger; 1996:316-326.

Murphy MJ, Cox RS. The accuracy of dose localization for an image-guided frameless radiosurgery system. *Med Phys* 1996;23:2043-2049.

Schweikard A, Adler JR, Latombe JC. Motion Planning in Stereotactic Radiosurgery. In: Taylor RH, Lavellee S, Burdea GC, Mosges R, eds. *Computer-Integrated Surgery, Technology and Clinical Applications*. Cambridge, MA: MIT Press; 1996:693-706.

Adler JR, Schweikard A, Tombropoulos R, Latombe JC. Image-Guided Robotic Radiosurgery. *Modeling and Planning for Sensor Based Intelligent Robot Systems*. New Jersey: World Scientific Publishing Co.; 1995:460-470.

Adler JR. Image-Based Frameless Stereotactic Radiosurgery. In: Maciunas RJ, ed. *Interactive Image-Guided Neurosurgery*. Park Ridge, IL: American Association of Neurological Surgeons: Neurosurgical Topics; 1994:81-89.

Adler JR, Hancock SL. The Neurotron 1000: A System for Frameless Stereotactic Radiosurgery. In: Hadley M, ed. *Perspectives in Neurological Surgery, QMP Clinical Series*. St. Louis, MO: Quality Medical; 1994:127-133.

Schweikard A, Tombropoulos R, Kavradi L, Adler JR, Latombe JC. Treatment Planning for a Radiosurgical System with General Kinematics. *Proceedings of the IEEE International Conference on Robotics and Automation* 1994;2:1720-1727.

Schweikard A, Bodduluri M, Tombropoulos R, Adler JR. Planning, Calibration and Collision Avoidance for Image-Guided Radiosurgery. Proceedings of the IEEE International Workshop Intelligent Robots and Systems (IROS) 1994:854-861.

Schweikard A, Tombropoulos R, Adler JR, Latombe JC. Planning for Image-Guided Radiosurgery. Stanford University, AAAI Spring Symposium Series 1994:96-101.

Tombropoulos R, Schweikard A, Latombe JC, Adler JR. Treatment Planning for Image-Guided Robotic Radiosurgery. Proceedings of the International Conference on Computer Vision and Robotics in Medicine 1994:1-18.

Adler JR. Frameless radiosurgery. In: Goetsch SJ, De Salles AAF, eds. Stereotactic Surgery and Radiosurgery. Wisconsin: Medical Physics Publishing; 1993:237-248.

Schweikard A, Adler JR, Latombe JC. Motion Planning in Stereotaxic Radiosurgery. IEEE Transactions on Robotics and Automation 1993;9:764-774.

Guthrie BL, Adler JR, Jr. Computer-assisted preoperative planning, interactive surgery, and frameless stereotaxy. Clin Neurosurg 1992;38:112-131.

Guthrie BL, Adler JR. Frameless stereotaxy: Computer interactive neurosurgery. Perspectives in Neurological Surgery 1991;2:1-22.