



Bibliography for Novalis Tx™ Radiosurgery November 2009

Bibliography of SRS/SBRT Clinical and Technical Journal Publications on the Novalis Tx™ radiosurgery platform and the Novalis® Shaped Beam Surgery system and Supporting Technology

Prostate

Prostate Adenocarcinoma

NEW Weber DC, Wang H, Cozzi L, Dipasquale G, Khan HG, Ratib O, Rouzaud M, Veas H, Zaidi H, Miralbell R. [RapidArc, intensity modulated photon and proton techniques for recurrent prostate cancer in previously irradiated patients: a treatment planning comparison study](#). *Radiat Oncol*. 2009 Sep 9;4(1):34. *Hôpitaux Universitaires de Genève, Genève, Switzerland* [Epub ahead of print]

NEW Kjaer-Kristoffersen F, Ohlhues L, Medin J, Korreman S. [RapidArc volumetric modulated therapy planning for prostate cancer patients](#). *Acta Oncol*. 2009;48(2):227-32. *Rigshospitalet, Copenhagen, DK*

[Kupelian PA, Langen KM, Willoughby TR, Zeidan OA, Meeks SL](#). Image-guided radiotherapy for localized prostate cancer: treating a moving target. *Semin Radiat Oncol*. 2008 Jan;18(1):58-66. Review. *M.D. Anderson Cancer Center Orlando, Orlando, FL*

[Alonso-Arrizabalaga S, Brualla González L, Roselló Ferrando JV, Pastor Peidro J, López Torrecilla J, Planes Meseguer D, García Hernández T](#). Prostate Planning Treatment Volume Margin Calculation Based on the ExacTrac X-Ray 6D Image-Guided System: Margins for Various Clinical Implementations, *Int J Radiat Oncol Biol Phys*. 2007 Nov 1, 69(3):936-943. *Hospital General Universitario, Valencia, SP*

[Linhout N, Verellen D, Tournel K, Reynders T, Duchateau M, Storme G](#). Assessment of secondary patient motion induced by automated couch movement during on-line 6 dimensional repositioning in prostate cancer treatment. *Radiother Oncol*. 2007 May;83(2):168-74. *Universitair Ziekenhuis Brussel, BE*

[Kupelian P, Willoughby T, Mahadevan A, Djemil T, Weinstein G, Jani S, Enke C, Solberg T, Flores N, Liu D, Beyer D, Levine L](#). Multi-institutional clinical experience with the calypso system in localization and continuous, real-time monitoring of the prostate gland during external radiotherapy. *Int J Radiat Oncol Biol Phys*. 2007 Mar 15;67(4):1088-98. *MD Anderson Cancer Center Orlando, Orlando*

[Soete G, De Cock M, Verellen D, Michielsens D, Keuppens F, Storme G](#). X-ray-assisted positioning of patients treated by conformal arc radiotherapy for prostate cancer: Comparison of setup accuracy using implanted markers versus bony structures. *Int J Radiat Oncol Biol Phys*. 2007 Mar 1;67(3):823-7. *Academic Hospital Free University of Brussels, Brussels*

[Soete G, Verellen D, Tournel K, Storme G](#). Setup accuracy of stereoscopic X-ray positioning with automated correction for rotational errors in patients treated with conformal arc radiotherapy for prostate cancer. *Radiother Oncol*. 2006 Sep;80(3):371-3. *Vrije Universiteit Brussel, BE*.

[Willoughby TR, Kupelian PA, Pouliot J, Shinohara K, Aubin M, Roach M 3rd, Skrumeda LL, Balter JM, Litzenberg DW, Hadley SW, Wei JT, Sandler HM](#). Target localization and real-time tracking using the Calypso 4D localization system in patients with localized prostate cancer. *Int J Radiat Oncol Biol Phys*. 2006 Jun 1;65(2):528-34. *MD Anderson Cancer Center Orlando, Orlando*

[Kupelian PA, Willoughby TR, Meeks SL, Forbes A, Wagner T, Maach M, Langen KM](#). Intraprostatic fiducials for localization of the prostate gland: monitoring intermarker distances during radiation therapy to test for marker stability. *Int J Radiat Oncol Biol Phys*. 2005 Aug 1;62(5):1291-6. *MD Anderson Cancer Center Orlando*



General

Blonigen BJ, Steinmetz RD, Levin L, Lamba MA, Warnick RE, Breneman JC. [Irradiated Volume as a Predictor of Brain Radionecrosis after Linear Accelerator Stereotactic Radiosurgery](#). *Int J Radiat Oncol Biol Phys*. 2009 Sep 22 *University of Cincinnati College of Medicine, Cincinnati, OH*. [Epub ahead of print]

Milano MT, Katz AW, Okunieff P. [Patterns of Recurrence After Curative-Intent Radiation for Oligometastases Confined to One Organ](#). *Am J Clin Oncol*. 2009 Sep 18. *University of Rochester Medical Center, Rochester, New York* [Epub ahead of print]

Sahgal A, Ma L, Chang E, Shiu A, Larson DA, Laperriere N, Yin FF, Tsao M, Menard C, Basran PS, Létourneau D, Heydarian M, Beachey D, Shukla V, Cusimano M, Hodaie M, Zadeh G, Bernstein M, Schwartz M. [Advances in technology for intracranial stereotactic radiosurgery](#). *Technol Cancer Res Treat*. 2009 Aug;8(4):271-80. includes *Duke University Medical Center, Durham, NC*

Lamba M, Breneman JC, Warnick RE. [Evaluation of Image-Guided Positioning for Frameless Intracranial Radiosurgery](#). *Int J Radiat Oncol Biol Phys*. 2009 Jul 1;74(3):913-9. *University of Cincinnati Neuroscience Institute, Cincinnati, OH*

Lo SS, Fakiris AJ, Teh BS, Cardenes HR, Henderson MA, Forquer JA, Papiez L, McGarry RC, Wang JZ, Li K, Mayr NA, Timmerman RD. [Stereotactic body radiation therapy for oligometastases](#). *Expert Rev Anticancer Ther*. 2009 May;9(5):621-35. Review. Includes *Methodist Hospital Research Institute and Baylor College of Medicine, Houston*

Bednarz G, Machtay M, Werner-Wasik M, Downes B, Bogner J, Hyslop T, Galvin J, Evans J, Curran W Jr, Andrews D. [Report on a randomized trial comparing two forms of immobilization of the head for fractionated stereotactic radiotherapy](#). *Med Phys*. 2009 Jan;36(1):12-7. *Jefferson Medical College, Philadelphia, Pennsylvania*

Wu QJ, Wang Z, Kirkpatrick JP, Chang Z, Meyer JJ, Lu M, Huntzinger C, Yin FF. [Impact of collimator leaf width and treatment technique on stereotactic radiosurgery and radiotherapy plans for intra- and extracranial lesions](#). *Radiat Oncol*. 2009 Jan 21;4(1):3. *Duke University, Durham, NC*

[Kavanagh B](#). Clinical experience shows that catastrophic late effects associated with ablative fractionation can be avoided by technological innovation. *Semin Radiat Oncol*. 2008 Oct;18(4):223-8. *University of Colorado, Denver*

[Kirkpatrick JP, Meyer JJ, Marks LB](#). The linear-quadratic model is inappropriate to model high dose per fraction effects in radiosurgery. *Semin Radiat Oncol*. 2008 Oct;18(4):240-3. *Duke University Medical Center, Raleigh*

[Jensen RL, Wendland MM, Chern SS, Shrieve DC](#). Novalis intensity-modulated radiosurgery: methods for pretreatment planning. *Neurosurgery*. 2008 May;62(5 Suppl):A2-10. *University of Utah Health Sciences Center, Salt Lake City*

[Wurm RE, Erbel S, Schwenkert I, Gum F, Agaoglu D, Schild R, Schlenger L, Scheffler D, Brock M, Budach V](#). Novalis frameless image-guided noninvasive radiosurgery: initial experience. *Neurosurgery*. 2008 May;62(5 Suppl):A11-8; *Charité-Universitätsmedizin Berlin*

[De Salles AA, Gorgulho AA, Selch M, De Marco J, Agazaryan N](#). Radiosurgery from the brain to the spine: 20 years experience. *Acta Neurochir Suppl*. 2008;101:163-8. *UCLA, Los Angeles*

[Yin FF, Wang Z, Yoo S, Wu QJ, Kirkpatrick J, Larrier N, Meyer J, Willett CG, Marks LB](#). Integration of Cone-Beam CT in Stereotactic Body Radiation Therapy. *Duke University Medical Center, Durham NC Technol Cancer Res Treat*. 2008 Apr;7(2):133-40. *Duke University Medical Center, Durham*



[Chen JC, Rahimian J, Girvigian MR, Miller MJ](#). Contemporary methods of radiosurgery treatment with the Novalis linear accelerator system. *Neurosurg Focus*. 2007;23(6):E4. *Southern California Permanente Medical Group, Los Angeles* [PDF](#)

[Andrews DW, Bednarz G, Evans JJ, Downes B](#). A review of 3 current radiosurgery systems. *Surg Neurol*. 2006 Dec;66(6):559-64. *Thomas Jefferson University Hospital, Philadelphia*, [Full Text + Links](#), [PDF](#)

[Kavanagh BD, Timmerman RD](#). Stereotactic radiosurgery and stereotactic body radiation therapy: an overview of technical considerations and clinical applications. *Hematol Oncol Clin North Am*. 2006 Feb;20(1):87. *Univ of Colorado, Denver*

[Whang CJ, Yee GT, Choi CY, Sohn MJ, Lee DJ](#). First experience in using Novalis shaped beam radiosurgery in Korea. *J Neurosurg*. 2004 Nov;101 Suppl 3:341-5. *Inje University, Gyoung gi, KR*

[Solberg TD, Goetsch SJ, Selch MT, Melega W, Lacan G, DeSalles AA](#). Functional stereotactic radiosurgery involving a dedicated linear accelerator and gamma unit: a comparison study. *J Neurosurg*. 2004 Nov;101 Suppl 3:373-80. *UCLA, Los Angeles*

[Shrieve DC, Klish M, Wendland MM, Watson GA](#). Basic principles of radiobiology, radiotherapy, and radiosurgery. *Neurosurg Clin N Am*. 2004 Oct;15(4):467-79. Review. *University of Utah, Salt Lake City*