

**Literaturverzeichnis (Stand Mai 2014)**

**Peer reviewed**

- 1: **Sweeney R**, Polat B, Samnick S, Reiners C, Flentje M, Verburg FA. O-(2-[(18)F]fluoroethyl)-L-tyrosine uptake is an independent prognostic determinant in patients with glioma referred for radiation therapy. *Ann Nucl Med*. 2014 Feb;28(2):154-62.
- 2: Gerszten PC, Sahgal A, Sheehan JP, Kersh R, Chen S, Flickinger JC, Quader M, Fahim D, Grills I, Shin JH, Winey B, Oh K, **Sweeney RA**, Guckenberger M. A multi-national report on methods for institutional credentialing for spine radiosurgery. *Radiat Oncol*. 2013 Jun 27;8:158.
- 3: Verburg FA, **Sweeney R**, Hänscheid H, Dießl S, Israel I, Löhr M, Vince GH, Flentje M, Reiners C, Samnick S. Patients with recurrent glioblastoma multiforme. Initial experience with p-[(131)I]iodo-L-phenylalanine and external beam radiation therapy. *Nuklearmedizin*. 2013;52(1):36-42.
- 4: Guckenberger M, Hawkins M, Flentje M, **Sweeney RA**. Fractionated radiosurgery for painful spinal metastases: DOSIS - a phase II trial. *BMC Cancer*. 2012 Nov 19;12:530
- 5: Hänscheid H, **Sweeney RA**, Flentje M, Buck AK, Löhr M, Samnick S, Kreissl M, Verburg FA. PET SUV correlates with radionuclide uptake in peptide receptor therapy in meningioma. *Eur J Nucl Med Mol Imaging*. 2012 Aug;39(8):1284-8.
- 6: **Sweeney RA**, Seubert B, Stark S, Homann V, Müller G, Flentje M, Guckenberger M. Accuracy and inter-observer variability of 3D versus 4D cone-beam CT based image-guidance in SBRT for lung tumors. *Radiat Oncol*. 2012 Jun 8;7:81.
- 7: Matthias Guckenberger, Johannes Roesch, Kurt Baier, **Reinhart A Sweeney**, Michael Flentje. Dosimetric consequences of translational and rotational errors in frame-less image-guided radiosurgery. *Radiat Oncol*. 2012; 7: 63
- 8: Guckenberger M, Saur G, Wehner D, **Sweeney RA**, Thalheimer A, Germer CT, Flentje M. Comparison of preoperative short-course radiotherapy and long-course radiochemotherapy for locally advanced rectal cancer. *Strahlenther Onkol*. 2012 Jul;188(7):551-7.
- 9: Combination of peptide receptor radionuclide therapy with fractionated external beam radiotherapy for treatment of advanced symptomatic meningioma  
Michael C Kreissl, Heribert Hänscheid, Mario Löhr, Frederik A Verburg, Markus Schiller, Michael Lassmann, Christoph Reiners, Samuel S Samnick, Andreas K Buck, Michael Flentje, **Reinhart A Sweeney**  
*Radiat Oncol*. 2012; 7: 99
- 10: Guckenberger M, **Sweeney RA**, Flickinger JC, Gerszten PC, Kersh R, Sheehan J, Sahgal A. Clinical practice of image-guided spine radiosurgery - results from an international research consortium. *Radiat Oncol*. 2011 Dec 15;6:172.
- 11: Guckenberger M, Mayer M, Buttman M, Vince GH, **Sweeney RA**, Flentje M. Prolonged survival when temozolomide is added to accelerated radiotherapy for glioblastoma multiforme. *Strahlenther Onkol*. 2011 Sep;187(9):548-54.
- 12: Guckenberger M, Ok S, Polat B, **Sweeney RA**, Flentje M. Toxicity after

intensity-modulated, image-guided radiotherapy for prostate cancer. *Strahlenther Onkol.* 2010 Oct;186(10):535-43. Epub 2010 Sep 30. Erratum in: *Strahlenther Onkol.* 2010 Dec;186(12):705.

13: Wilbert J, Guckenberger M, Polat B, Sauer O, Vogele M, Flentje M, **Sweeney RA**. Semi-robotic 6 degree of freedom positioning for intracranial high precision radiotherapy; first phantom and clinical results. *Radiat Oncol.* 2010 May 26;5:42.

14: Richter A, **Sweeney R**, Baier K, Flentje M, Guckenberger M. Effect of breathing motion in radiotherapy of breast cancer: 4D dose calculation and motion tracking via EPID. *Strahlenther Onkol.* 2009 Jul;185(7):425-30. Epub 2009 Aug 28.

15: Guckenberger M, Goebel J, Wilbert J, Baier K, Richter A, **Sweeney RA**, Bratengeier K, Flentje M. Clinical outcome of dose-escalated image-guided radiotherapy for spinal metastases. *Int J Radiat Oncol Biol Phys.* 2009 Nov 1;75(3):828-35. Epub 2009 Feb 26.

16: **Sweeney RA**, Arnold W, Steixner E, Nevinny-Stickel M, Lukas P. Compensating for tumor motion by a 6-degree-of-freedom treatment couch: is patient tolerance an issue? *Int J Radiat Oncol Biol Phys.* 2009 May 1;74(1):168-71.

17: Polat B, Guenther I, Wilbert J, Goebel J, **Sweeney RA**, Flentje M, Guckenberger M. Intra-fractional uncertainties in image-guided intensity-modulated radiotherapy (IMRT) of prostate cancer. *Strahlenther Onkol.* 2008 Dec;184(12):668-73.

18: Guckenberger M, Krieger T, Richter A, Baier K, Wilbert J, **Sweeney RA**, Flentje M. Potential of image-guidance, gating and real-time tracking to improve accuracy in pulmonary stereotactic body radiotherapy. *Radiother Oncol.* 2009 Jun;91(3):288-95.

19: Guckenberger M, **Sweeney RA**, Wilbert J, Krieger T, Richter A, Baier K, Mueller G, Sauer O, Flentje M. Image-guided radiotherapy for liver cancer using respiratory-correlated computed tomography and cone-beam computed tomography. *Int J Radiat Oncol Biol Phys.* 2008 May 1;71(1):297-304.

20: Auberger T, Seydl K, Futschek T, Sztankay A, **Sweeney RA**, Lukas P. Photons or protons: precision radiotherapy of lung cancer. *Strahlenther Onkol.* 2007 Dec;183 Spec No 2:3-6.

21: Weiss W, Horninger W, Forthuber BC, Ulmer H, Lukas P, **Sweeney RA**. Single-institution results of primary external-beam radiation for the treatment of t1-t3 prostate cancer. *Strahlenther Onkol.* 2007 Jun;183(6):321-6.

#### ----- HABILITATION 2006 -----

22: Nevinny-Stickel M, Seppi T, Poljanc K, Forthuber BC, Posch A, Lechner J, Ulmer H, **Sweeney R**, Saurer M, Lukas P. Competing irradiation techniques for para-aortic lymph nodes: dose distribution and NTCP for the kidney. *Int J Radiat Oncol Biol Phys.* 2005 Nov 15;63(4):1206-13.

23: **Sweeney RA**, Vogele M, Wegmayr A, Lukas P, Auberger T. The patient positioning concept for the planned MedAustron centre. *Radiother Oncol.* 2004 Dec;73 Suppl 2:S64-7.

24: Nevinny-Stickel M, **Sweeney RA**, Bale RJ, Posch A, Auberger T, Lukas P. Reproducibility of patient positioning for fractionated extracranial stereotactic radiotherapy using a double-vacuum technique. *Strahlenther Onkol.* 2004 Feb;180(2):117-22.

25: Burtscher J, **Sweeney R**, Bale R, Eisner W, Twerdy K. Neuroendoscopy based on computer assisted adjustment of the endoscope holder in the laboratory. *Minim Invasive Neurosurg.* 2003 Aug;46(4):208-14.

- 26: **Sweeney RA**, Bale RJ, Moncayo R, Seydl K, Trieb T, Eisner W, Burtscher J, Donnemiller E, Stockhammer G, Lukas P. Multimodality cranial image fusion using external markers applied via a vacuum mouthpiece and a case report. *Strahlenther Onkol.* 2003 Apr;179(4):254-60.
- 27: Bale RJ, Lottersberger C, Vogele M, Prassl A, Czermak B, Dessl A, **Sweeney RA**, Waldenberger P, Jaschke W. A novel vacuum device for extremity immobilisation during digital angiography: preliminary clinical experiences. *Eur Radiol.* 2002 Dec;12(12):2890-4.
- 28: Bale RJ, **Sweeney RA**. In regard to Salter et al., *IJROBP* 2001;51:555-562. *Int J Radiat Oncol Biol Phys.* 2002 May 1;53(1):253-4; author reply 254.
- 29: Golaszewski SM, Zschiegner F, Siedentopf CM, Unterrainer J, **Sweeney RA**, Eisner W, Lechner-Steinleitner S, Mottaghy FM, Felber S. A new pneumatic vibrator for functional magnetic resonance imaging of the human sensorimotor cortex. *Neurosci Lett.* 2002 May 17;324(2):125-8.
- 30: Hug EB, **Sweeney RA**, Nurre PM, Holloway KC, Slater JD, Munzenrider JE. Proton radiotherapy in management of pediatric base of skull tumors. *Int J Radiat Oncol Biol Phys.* 2002 Mar 15;52(4):1017-24.
- 31: Eisner W, Burtscher J, Bale R, **Sweeney R**, Koppelstätter F, Golaszewski S, Kolbitsch C, Twerdy K. Use of neuronavigation and electrophysiology in surgery of subcortically located lesions in the sensorimotor strip. *J Neurol Neurosurg Psychiatry.* 2002 Mar;72(3):378-81.
- 32: Burtscher J, Bale R, Dessl A, Eisner W, Twerdy K, **Sweeney RA**, Felber S. Virtual endoscopy for planning neuro-endoscopic intraventricular surgery. *Minim Invasive Neurosurg.* 2002 Mar;45(1):24-31.
- 33: Nömayr A, Lell M, **Sweeney R**, Bautz W, Lukas P. MRI appearance of radiation-induced changes of normal cervical tissues. *Eur Radiol.* 2001;11(9):1807-17.
- 34: **Sweeney RA**, Bale R, Auberger T, Vogele M, Foerster S, Nevinny-Stickel M, Lukas P. A simple and non-invasive vacuum mouthpiece-based head fixation system for high precision radiotherapy. *Strahlenther Onkol.* 2001 Jan;177(1):43-7.
- 35: Bale RJ, Burtscher J, Eisner W, Obwegeser AA, Rieger M, **Sweeney RA**, Dessl A, Giacomuzzi SM, Twerdy K, Jaschke W. Computer-assisted neurosurgery by using a noninvasive vacuum-affixed dental cast that acts as a reference base: another step toward a unified approach in the treatment of brain tumors. *J Neurosurg.* 2000 Aug;93(2):208-13.
- 36: Nevinny-Stickel M, Ennemoser S, **Sweeney R**, Bangerl I, Zur Nedden D, Lukas P. Comparison of standard and individually planned infradiaphragmatic fields in irradiation of retroperitoneal lymph nodes. *Int J Radiat Oncol Biol Phys.* 2000 Aug 1;48(1):147-51
- 37: Bale RJ, **Sweeney R**, Vogele M, Nevinny M, Auer T, Bluhm A, Thumfart WF, Lukas P. [Noninvasive head fixation for external irradiation of tumors of the head-neck area]. *Strahlenther Onkol.* 1998 Jul;174(7):350-4
- 38: **Sweeney R**, Bale R, Vogele M, Nevinny-Stickel M, Bluhm A, Auer T, Hessenberger G, Lukas P. Repositioning accuracy: comparison of a noninvasive head holder with thermoplastic mask for fractionated radiotherapy and a case report. *Int J Radiat Oncol Biol Phys.* 1998 May 1;41(2):475-83.
- 39: Bale RJ, Vogele M, Martin A, Auer T, Hensler E, Eichberger P, Freysinger W, **Sweeney R**, Gunkel AR, Lukas PH. VBH head holder to improve frameless stereotactic brachytherapy of cranial tumors. *Comput Aided Surg.* 1997;2(5):286-91

## **Buch Beiträge**

1. **Sweeney RA**, Guckenberger M: "Base of skull Tumors." in Principles and Practice of Stereotactic Radiosurgery Chin & Regine (Eds) Springer; Auflage: 2nd ed. 2015 (25. Januar 2015)
2. Guckenberger M, **Sweeney RA**: Spinal radiosurgery after spinal radiotherapy or radiosurgery. in: "Controversies in Stereotactic Radiosurgery: Best Evidence Recommendations" Sheehan Gerszten (Eds) Thieme Medical Publishers; Auflage: 1 (9. April 2014)
3. Guckenberger M, **Sweeney RA**: Reduced normal tissues doses through advanced technology. in: "Re-irradiation: New Frontiers" . Nieder Langendijk (Eds.) Springer Berlin Heidelberg; 1st Edition. (2011) ISBN-10: 3642124674
4. P. Lukas, **Sweeney RA**: Bild Fusion (Image Fusion) in : "Strahlentherapie" (Wannenmacher, Debus, Wenz) 2006 und 2011 Springer Verlag  
ISBN-10: 3-540-22812-8

## ----- **HABILITATION 2006** -----

5. Nevinny-Stickel M, **Sweeney RA**, Schiestl B, Eichberger P, Lukas P. Evaluation of EXOMIO User Interface & Patient Repositioning Accuracy: Prostate Cancer. In: Progress in CT-3D Simulation. Mould RF, editor. Bochum, Germany: Medical Innovative Technology GmbH, 2003: 85-92  
ISBN:.3-00-011938-8
6. **Sweeney R**, Nevinny-Stickel M, Wegmayr A, Auberger T, Posch A, Lukas P. Patient Positioning Systems for Cranial and Extracranial Treatments. In: Mould RF, editor. "Progress in CT-3D Simulation". Bochum, Germany: Medical Innovative Technology GmbH, 2003: 77-84. ISBN:.3-00-011938-8
7. Co-author of Details on Patient Fixation, Positioning and Verification for Hadron Therapy. In "MedAustron; Das Projekt". Editors: T. Auberger and E. Griesmayer. 2004 ISBN:3-200-00141-0

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