

# CURRICULUM VITAE

PD. Dr.med. univ., BSc.

(stand: Mai 2022)

A. J. Reinhart SWEENEY

## AUSBILDUNG / Beruflicher Werdegang

- 1988 - 1991 Biologiestudium an der University of Western Ontario; London Ont., Kanada; Graduation 1991 als Baccalaureat: **Bachelor of Science (B Sc)**
- 1991 - 1999: Medizinstudium an der Universität Innsbruck mit Promotion zum **Doktor der gesamten Heilkunde** am 20. Feb. 99  
1999: Dissertation „*Clinical evaluation and comparison of vacuum based- to thermoplastic mask -head fixation*“
09. `99-02. `00: Post Doc (Proton Centre, Department of Radiation Oncology, Loma Linda University, Loma Linda CA, USA)
01. `00-12. `05: Ausbildung zum Facharzt für Strahlentherapie-Radioonkologie an der Abteilung für Strahlentherapie-Radioonkologie, Medizinische Universität Innsbruck Österreich (Vorstand: Prof. Dr. DI. Peter Lukas)
- 12.2005: Facharztprüfung Österreich → **Facharzt** für Strahlentherapie/Radioonkologie
01. `06-06. `07 **Oberarzt**, Abteilung für Strahlentherapie-Radioonkologie, Med. Univ. Innsbruck (Prof. Dr. DI. P. Lukas)
12. 2006: **Habilitation (VENIA DOCENDI)** Medizinische Universität Innsbruck, Österreich  
Titel: „*Hochpräzision in der Strahlentherapie; Optimierungsstrategien der Patientenfixierung und Zielvolumendefinition*“
06. `07-06. `12 **Oberarzt**, Abteilung für Strahlentherapie, Universitätsklinikum Würzburg (Prof. Dr.med. M. Flentje)
08. `12-07 `13 **Chefarzt** Abteilung Strahlentherapie-Radioonkologie am Onkologischen Kompetenzzentrum Bad-Trissl; Klinik und MVZ InnMed, Oberaudorf
- 01.13 -07. `13 **Ärztlicher Direktor** des MVZ Innmed, Oberaudorf
- ab 01.09.2013: **Chefarzt** der „Strahlentherapie-Schweinfurt“. MVZ und Krankenhaus Leopoldina, Schweinfurt

## Literaturverzeichnis (Stand Feb. 2022)

### Peer reviewed

- 1) Klement, R.J., Meyer, D., Kanzler, S., Sweeney, R.A.  
[Ketogenic diets consumed during radio-chemotherapy have beneficial effects on quality of life and metabolic health in patients with rectal cancer](#)  
(2022) European Journal of Nutrition, 61 (1), pp. 69-84.  
Document Type: Article  
Publication Stage: Final
- 2) Klement, R.J., Popp, I., Kaul, D., Ehret, F., Grosu, A.L., Polat, B., Sweeney, R.A., Lewitzki, V.  
[Accelerated hyper-versus normofractionated radiochemotherapy with temozolomide in patients with glioblastoma: a multicenter retrospective analysis](#)  
(2022) Journal of Neuro-Oncology, 156 (2), pp. 407-417.  
Document Type: Article  
Publication Stage: Final
- 3) Klement, R.J., Koebrunner, P.S., Krage, K., Sweeney, R.A.  
[Low vitamin D status in a cancer patient population from Franconia, Germany](#)  
(2021) Complementary Medicine Research, 28 (4), pp. 300-307.  
Document Type: Article  
Publication Stage: Final  
Access Type: Open Access
- 4) Klement, R.J., Koebrunner, P.S., Meyer, D., Kanzler, S., Sweeney, R.A.  
[Impact of a ketogenic diet intervention during radiotherapy on body composition: IV. Final results of the KETOCOMP study for rectal cancer patients](#)  
(2021) Clinical Nutrition, 40 (7), pp. 4674-4684.  
Document Type: Article  
Publication Stage: Final
- 5) Klement, R.J., Weigel, M.M., Sweeney, R.A.  
[A ketogenic diet consumed during radiotherapy improves several aspects of quality of life and metabolic health in women with breast cancer](#)  
(2021) Clinical Nutrition, 40 (6), pp. 4267-4274.  
Document Type: Article  
Publication Stage: Final
- 6) Guckenberger, M., Mantel, F., Sweeney, R.A., Hawkins, M., Belderbos, J., Ahmed, M., Andratschke, N., Madani, I., Flentje, M.  
[Long-Term Results of Dose-Intensified Fractionated Stereotactic Body Radiation Therapy \(SBRT\) for Painful Spinal Metastases](#)  
(2021) International Journal of Radiation Oncology Biology Physics, 110 (2), pp. 348-357.  
Document Type: Article  
Publication Stage: Final  
Access Type: Open Access
- 7) Klement, R.J., Koebrunner, P.S., Krage, K., Weigel, M.M., Sweeney, R.A.  
[Short-term effects of a Paleolithic lifestyle intervention in breast cancer patients undergoing radiotherapy: a pilot and feasibility study](#)  
(2021) Medical Oncology, 38 (1), art. no. 1,  
Document Type: Article  
Publication Stage: Final
- 8) Klement, R.J., Sweeney, R.A.  
[Face masks in radiation oncology clinics: based on evidence or source of mistakes?](#)  
(2020) Medical Oncology, 37 (9), art. no. 76, .  
Document Type: Letter  
Publication Stage: Final  
Access Type: Open Access
- 9) Klement, R.J., Champ, C.E., Kämmerer, U., Koebrunner, P.S., Krage, K., Schäfer, G., Weigel, M.,

Sweeney, R.A.

[Impact of a ketogenic diet intervention during radiotherapy on body composition: III - Final results of the KETOCOMP study for breast cancer patients](#)

(2020) Breast Cancer Research, 22 (1), art. no. 94 .

Publication Stage: Final

Access Type: Open Access

10) Klement, R.J., Sonke, J.-J., Allgäuer, M., Andratschke, N., Appold, S., Belderbos, J., Belka, C., Blanck, O., Dieckmann, K., Eich, H.T., Mantel, F., Eble, M., Hope, A., Grosu, A.L., Nevinny-Stickel, M., Semrau, S., Sweeney, R.A., Hörner-Rieber, J., Werner-Wasik, M., Engenhardt-Cabillic, R., Ye, H., Grills, I., Guckenberger, M.

[Correlating Dose Variables with Local Tumor Control in Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer: A Modeling Study on 1500 Individual Treatments](#)

(2020) International Journal of Radiation Oncology Biology Physics, 107 (3), pp. 579-586.

Document Type: Article

Publication Stage: Final

11) Hartrampf, P.E., Hänscheid, H., Kertels, O., Schirbel, A., Kreissl, M.C., Flentje, M., Sweeney, R.A., Buck, A.K., Polat, B., Lapa, C.

[Long-term results of multimodal peptide receptor radionuclide therapy and fractionated external beam radiotherapy for treatment of advanced symptomatic meningioma](#)

(2020) Clinical and Translational Radiation Oncology, 22, pp. 29-32.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

12) Klement, R.J., Schäfer, G., Sweeney, R.A.

[A ketogenic diet exerts beneficial effects on body composition of cancer patients during radiotherapy: An interim analysis of the KETOCOMP study](#)

(2020) Journal of Traditional and Complementary Medicine, 10 (3), pp. 180-187.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

13) Klement, R.J., Brehm, N., Sweeney, R.A.

[Ketogenic diets in medical oncology: a systematic review with focus on clinical outcomes](#)

(2020) Medical Oncology, 37 (2), art. no. 14 .

Document Type: Review

Publication Stage: Final

14) Klement, R.J., Sonke, J.-J., Allgäuer, M., Andratschke, N., Appold, S., Belderbos, J., Belka, C., Dieckmann, K., Eich, H.T., Flentje, M., Grills, I., Eble, M., Hope, A., Grosu, A.L., Semrau, S., Sweeney, R.A., Hörner-Rieber, J., Werner-Wasik, M., Engenhardt-Cabillic, R., Ye, H., Guckenberger, M.

[.Estimation of the  \$\alpha/\beta\$  ratio of non-small cell lung cancer treated with stereotactic body radiotherapy](#)

(2020) Radiotherapy and Oncology, 142, pp. 210-216..

Document Type: Article

Publication Stage: Final

15) Klement, R.J., Schäfer, G., Sweeney, R.A.

[A fatal case of Fournier's gangrene during neoadjuvant radiotherapy for rectal cancer](#)

[\[Article@Entwicklung eines tödlichen Fournier-Gangröns während neoadjuvanter Bestrahlung eines Rektumkarzinoms\]](#)

(2019) Strahlentherapie und Onkologie, 195 (5), pp. 441-446.

Document Type: Article

Publication Stage: Final

16) Klement, R.J., Sweeney, R.A., Gross, E.C., Champ, C.E.

[Problems associated with a highly artificial ketogenic diet: Letter to the Editor Re: van der Louw EJTM, Olieman JF, van den Bemt PMLA, et al. 'Ketogenic diet treatment as adjuvant to standard treatment of glioblastoma multiforme: a feasibility and safety study'](#)

(2019) Therapeutic Advances in Medical Oncology, 11.

Document Type: Letter

Publication Stage: Final

Access Type: Open Access

17) Mantel, F., Sweeney, R.A., Klement, R.J., Hawkins, M.A., Belderbos, J., Ahmed, M., Toussaint, A., Polat, B., Flentje, M., Guckenberger, M.

[Risk factors for vertebral compression fracture after spine stereotactic body radiation therapy: Long-term results of a prospective phase 2 study](#)

(2019) Radiotherapy and Oncology,

Document Type: Article

Publication Stage: Article in Press

18) Guckenberger, M., Sweeney, R.A., Hawkins, M., Belderbos, J., Andratschke, N., Ahmed, M., Madani, I., Mantel, F., Steigerwald, S., Flentje, M.

[Dose-intensified hypofractionated stereotactic body radiation therapy for painful spinal metastases: Results of a phase 2 study](#)

(2018) Cancer, 124 (9), pp. 2001-2009. Cited 15 times.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

19) Guckenberger, M., Sweeney, R.A., Panje, C., Tanadini-Lang, S.

[Reduced normal tissue doses through advanced technology](#)

(2017) Medical Radiology, pp. 75-103.

Document Type: Article

Publication Stage: Final

20) Klement, R.J., Sweeney, R.A.

[Impact of a ketogenic diet intervention during radiotherapy on body composition: II. Protocol of a randomised phase I study \(KETOCOMP\)](#)

(2016) Clinical Nutrition ESPEN, 12, pp. e1-e6.

Document Type: Article

Publication Stage: Final

21) Klement, R.J., Sweeney, R.A.

[Impact of a ketogenic diet intervention during radiotherapy on body composition: I. Initial clinical experience with six prospectively studied patients](#)

(2016) BMC Research Notes, 9 (1), art. no. 143.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

22) Sweeney, R.A.J., Guckenberger, M.

[Skull base tumors](#)

(2015) Principles and Practice of Stereotactic Radiosurgery, pp. 483-498.

Document Type: Book Chapter

Publication Stage: Final

23) Sweeney, R., Polat, B., Samnick, S., Reiners, C., Flentje, M., Verburg, F.A.

[O-\(2-\[18F\]fluoroethyl\)-l-tyrosine uptake is an independent prognostic determinant in patients with glioma referred for radiation therapy](#)

(2014) Annals of Nuclear Medicine, 28 (2), pp. 154-162. .

Document Type: Article

Publication Stage: Final

24) Gerszten, P.C., Sahgal, A., Sheehan, J.P., Kersh, R., Chen, S., Flickinger, J.C., Quader, M., Fahim, D., Grills, I., Shin, J.H., Winey, B., Oh, K., Sweeney, R.A., Guckenberger, M.

[A multi-national report on methods for institutional credentialing for spine radiosurgery](#)

(2013) Radiation Oncology, 8 (1), art. no. 158.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

25) Verburg, F.A., Sweeney, R., Hänscheid, H., Dießl, S., Israel, I., Löhr, M., Vince, G.H., Flentje, M., Reiners, C., Samnick, S.

[Patients with recurrent glioblastoma multiforme initial experience with p-\[131I\]iodo-L-phenylalanine and external beam radiation therapy \[Article@Patienten mit rezidivierendem glioblastoma multiforme Erste Erfahrungen mit p-\[131I\]Iod-L-phenylalanin und externen Strahlentherapie\]](#)

(2013) NuklearMedizin, 52 (1), pp. 36-42.

Document Type: Article

Publication Stage: Final

26) Guckenberger, M., Hawkins, M., Flentje, M., Sweeney, R.A.

[Fractionated radiosurgery for painful spinal metastases: DOSIS - a phase II trial](#)

(2012) BMC Cancer, 12, art. no. 530.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

27) Hnscheid, H., Sweeney, R.A., Flentje, M., Buck, A.K., Lhr, M., Samnick, S., Kreissl, M., Verburg, F.A.

[PET SUV correlates with radionuclide uptake in peptide receptor therapy in meningioma](#)

(2012) European Journal of Nuclear Medicine and Molecular Imaging, 39 (8), pp. 1284-1288

Document Type: Article

Publication Stage: Final

28) Guckenberger, M., Saur, G., Wehner, D., Sweeney, R.A., Thalheimer, A., Germer, C.-T., Flentje, M.

[Comparison of preoperative short-course radiotherapy and long-course radiochemotherapy for locally advanced rectal cancer](#)

(2012) Strahlentherapie und Onkologie, 188 (7), pp. 551-557.

Document Type: Article

Publication Stage: Final

29) Kreissl, M.C., Hnscheid, H., Lohr, M., Verburg, F.A., Schiller, M., Lassmann, M., Reiners, C.,

Samnick, S.S., Buck, A.K., Flentje, M., Sweeney, R.A.

[Combination of peptide receptor radionuclide therapy with fractionated external beam radiotherapy for treatment of advanced symptomatic meningioma](#)

(2012) Radiation Oncology, 7 (1), art. no. 99.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

30) Sweeney, R.A., 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](#)

(2012) Radiation Oncology, 7 (1), art. no. 81,.

Document Type: Review

Publication Stage: Final

Access Type: Open Access

31) Guckenberger, M., Roesch, J., Baier, K., Sweeney, R.A., Flentje, M.

[Dosimetric consequences of translational and rotational errors in frame-less image-guided radiosurgery](#)

(2012) Radiation Oncology, 7 (1), art. no. 63

Document Type: Article

Publication Stage: Final

Access Type: Open Access

32) Guckenberger, M., Sweeney, R.A., Flickinger, J.C., Gerszten, P.C., Kersh, R., Sheehan, J., Sahgal, A.

[Clinical practice of image-guided spine radiosurgery - results from an international research consortium](#)

(2011) Radiation Oncology, 6 (1), art. no. 172.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

33) Guckenberger, M., Mayer, M., Buttman, M., Vince, G.H., Sweeney, R.A., Flentje, M.

[Prolonged survival when temozolomide is added to accelerated radiotherapy for glioblastoma multiforme](#)

(2011) Strahlentherapie und Onkologie, 187 (9), pp. 548-554. Cited 15 times.

Document Type: Article

Publication Stage: Final

34) Guckenberger, M., Ok, S., Polat, B., Sweeney, R.A., Flentje, M.

[Erratum: Guckenberger M, Ok S, Polat B, Sweeney RA, Flentje M. Toxicity after Intensity-Modulated, Image-Guided Radiotherapy for Prostate Cancer. \(Strahlenther Onkol \(2010\) 186 \(535-543\) DOI: 10.1007/s00066-010-2144-z\)](#)

(2010) Strahlentherapie und Onkologie, 186 (12), p. 705..

Document Type: Erratum

Publication Stage: Final

Access Type: Open Access

- 35) Wilbert, J., Guckenberger, M., Polat, B., Sauer, O., Vogele, M., Flentje, M., Sweeney, R.A.  
[Semi-robotic 6 degree of freedom positioning for intracranial high precision radiotherapy; first phantom and clinical results](#)  
(2010) Radiation Oncology, 5 (1), art. no. 42  
Document Type: Article  
Publication Stage: Final  
Access Type: Open Access
- 36) Guckenberger, M., Ok, S., Polat, B., Sweeney, R.A., Flentje, M.  
[Toxicity after intensity-modulated, image-guided radiotherapy for prostate cancer](#)  
(2010) Strahlentherapie und Onkologie, 186 (10), pp. 535-543.  
Document Type: Article  
Publication Stage: Final
- 37) Guckenberger, M., Goebel, J., Wilbert, J., Baier, K., Richter, A., Sweeney, R.A., Bratengeier, K., Flentje, M.  
[Clinical Outcome of Dose-Escalated Image-Guided Radiotherapy for Spinal Metastases](#)  
(2009) International Journal of Radiation Oncology Biology Physics, 75 (3), pp. 828-835.  
Document Type: Article  
Publication Stage: Final
- 38) 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](#)  
(2009) Strahlentherapie und Onkologie, 185 (7), pp. 425-430.  
Document Type: Article  
Publication Stage: Final
- 39) Guckenberger, M., Krieger, T., Richter, A., Baier, K., Wilbert, J., Sweeney, R.A., Flentje, M.  
[Potential of image-guidance, gating and real-time tracking to improve accuracy in pulmonary stereotactic body radiotherapy](#)  
(2009) Radiotherapy and Oncology, 91 (3), pp. 288-295.  
Document Type: Article  
Publication Stage: Final
- 40) Sweeney, R.A., 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?](#)  
(2009) International Journal of Radiation Oncology Biology Physics, 74 (1), pp. 168-171.  
Document Type: Article  
Publication Stage: Final
- 41) Polat, B., Guenther, I., Wilbert, J., Goebel, J., Sweeney, R.A., Flentje, M., Guckenberger, M.  
[Intra-fractional uncertainties in image-guided intensity-modulated radiotherapy \(IMRT\) of prostate cancer](#)  
(2008) Strahlentherapie und Onkologie, 184 (12), pp. 668-673  
Document Type: Article  
Publication Stage: Final
- 42) Guckenberger, M., Sweeney, R.A., 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](#)  
(2008) International Journal of Radiation Oncology Biology Physics, 71 (1), pp. 297-304. Cited 69 times.  
Document Type: Article  
Publication Stage: Final
- 43) Germer, C.-T., Sweeney, R.A., Melcher, I., Von Rahden, B.H.A.  
[Management of oligometastatic CUP syndrome \[Article@Management des CUP-syndroms mit oligometastasierung\]](#)  
(2008) Onkologie, 14 (9), pp. 908-919.  
Document Type: Review  
Publication Stage: Final

44) Auberger, T., Seydl, K., Futschek, T., Sztankay, A., Sweeney, R.A., Lukas, P.  
[Photons or protons: Precision radiotherapy of lung cancer](#)  
(2007) Strahlentherapie und Onkologie, 183 (SUPPL. 2), pp. 3-6. 44) Document Type: Conference Paper  
Publication Stage: Final

45) Weiss, W., Horninger, W., Forthuber, B.C., Ulmer, H., Lukas, P., Sweeney, R.A.  
[Single-institution results of primary external-beam radiation for the treatment of T1-T3 prostate cancer](#)  
(2007) Strahlentherapie und Onkologie, 183 (6), pp. 321-326.  
Document Type: Article  
Publication Stage: Final

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

46) Nevinny-Stickel, M., Seppi, T., Poljanc, K., Forthuber, B.C., 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](#)  
(2005) International Journal of Radiation Oncology Biology Physics, 63 (4), pp. 1206-1213. Cited 6 times.  
Document Type: Article  
Publication Stage: Final

47) Nevinny-Stickel, M., Sweeney, R.A., Bale, R.J., Posch, A., Auberger, T., Lukas, P.  
[Reproducibility of Patient Positioning for Fractionated Extracranial Stereotactic Radiotherapy Using a Double-Vacuum Technique](#)  
(2004) Strahlentherapie und Onkologie, 180 (2), pp. 117-122.  
Document Type: Article  
Publication Stage: Final

48) Sweeney, R.A., Vogele, M., Wegmayr, A., Lukas, P., Auberger, T.  
[The patient positioning concept for the planned MedAustron centre](#)  
(2004) Radiotherapy and Oncology, 73 (SUPPL. 2), pp. S64-S67.  
Document Type: Conference Paper  
Publication Stage: Final

49) Burtscher, J., Sweeney, R., Bale, R., Eisner, W., Twerdy, K.  
[Neuroendoscopy based on computer assisted adjustment of the endoscope holder in the laboratory](#)  
(2003) Minimally Invasive Neurosurgery, 46 (4), pp. 208-214.  
Document Type: Article  
Publication Stage: Final

50) Sweeney, R.A., Bale, R.J., 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](#)  
(2003) Strahlentherapie und Onkologie, 179 (4), pp. 254-260.  
Document Type: Article  
Publication Stage: Final

51) Golaszewski, S.M., Zschiegner, F., Siedentopf, C.M., Unterrainer, J., Sweeney, R.A., Eisner, W., Lechner-Steinleitner, S., Mottaghy, F.M., Felber, S.  
[A new pneumatic vibrator for functional magnetic resonance imaging of the human sensorimotor cortex](#)  
(2002) Neuroscience Letters, 324 (2), pp. 125-128.  
Document Type: Article  
Publication Stage: Final

52) Bale, R.J., Sweeney, R.A.  
[In regard to Salter et al., IJROBP 2001;51:555-562 \[3\] \(multiple letters\)](#)  
(2002) International Journal of Radiation Oncology Biology Physics, 53 (1), pp. 253-254.  
Document Type: Letter  
Publication Stage: Final

53) Burtscher, J., Bale, R., Dessl, A., Eisner, W., Twerdy, K., Sweeney, R.A., Felber, S.  
[Virtual endoscopy for planning neuro-endoscopic intraventricular surgery](#)  
(2002) Minimally Invasive Neurosurgery, 45 (1), pp. 24-31. Cited 20 times.  
53)  
Document Type: Article



Publication Stage: Final

54) Hug, E.B., Sweeney, R.A., Nurre, P.M., Holloway, K.C., Slater, J.D., Munzenrider, J.E.

[Proton radiotherapy in management of pediatric base of skull tumors](#)

(2002) International Journal of Radiation Oncology Biology Physics, 52 (4), pp. 1017-1024.

Document Type: Article

Publication Stage: Final

55) 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](#)

(2002) Journal of Neurology Neurosurgery and Psychiatry, 72 (3), pp. 378-381.

Document Type: Article

Publication Stage: Final

Access Type: Open Access

56) Sweeney, R.A., Bale, R., Auberger, T., Vogele, M., Foerster, S., Nevinny-Sticekl, M., Lukas, P.

[A simple and non-invasive vacuum mouthpiece-based head fixation system for high precision radiotherapy](#)

(2001) Strahlentherapie und Onkologie, 177 (1), pp. 43-47.

Document Type: Article

Publication Stage: Final

57) Nömayr, A., Lell, M., Sweeney, R., Bautz, W., Lukas, P.

[MRI appearance of radiation-induced changes of normal cervical tissues](#)

(2001) European Radiology, 11 (9), pp. 1807-1817. Cited 70 times.

Document Type: Article

Publication Stage: Final

58) Nevinny-Stickel, M., Ennemoser, S., Sweeney, R., Bangerl, I., Nedden, D.Z., Lukas, P.

[Comparison of standard and individually planned infradiaphragmatic fields in irradiation of retroperitoneal lymph nodes](#)

(2000) International Journal of Radiation Oncology Biology Physics, 48 (1), pp. 147-151.  
times.

Document Type: Article

Publication Stage: Final

59) Bale, R.J., Burtscher, J., Eisner, W., Obwegeser, A.A., Rieger, M., Sweeney, R.A., Dessl, A., Giacomuzzi, S.M., 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](#)

(2000) Journal of Neurosurgery, 93 (2), pp. 208-213.

Document Type: Article

Publication Stage: Final

60) 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](#)

(1998) International Journal of Radiation Oncology Biology Physics, 41 (2), pp. 475-483.

Document Type: Article

Publication Stage: Final

61) Bale, R.J., Sweeney, R., Vogele, M., Nevinny, M., Auer, T., Bluhm, A., Thumfart, W.F., Lukas, P.

[Non-invasive head fixation for external irradiation of tumors of the head and neck](#)

[\[Article@Nichtinvasive kopffixation für externe bestrahlung von tumoren im kopf- hals-bereich\]](#)

(1998) Strahlentherapie und Onkologie, 174 (7), pp. 350-354.

Document Type: Article

Publication Stage: Final

62) Bale, R.J., Vogele, M., Martin, A., Auer, T., Hensler, E., Eichberger, P., Freysinger, W., Sweeney, R., Gunkel, A.R., Lukas, P.H.

[VBH head holder to improve frameless stereotactic brachytherapy of cranial tumors](#)

(1997) Computer Aided Surgery, 2 (5), pp. 286-291.

.



## **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
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;

<b>Sonstige Berufsausbildung</b>		
<b>Datum Erlangung Abschluss</b>	<b>Bezeichnung/Abschluss Berufsausbildung</b>	<b>Ausbildende Stelle (Hochschule, Ausbildungsträger, Verband, .....)</b>
07-2007	<b>Approbation</b> Deutschland	Regierung Unterfranken
10/2008	<b>Fachkunde</b> im Strahlenschutz (Richtlinie Strahlenschutz in der Medizin):Für alle Anwendungsgebiete einschließlich Afterloading-Verfahren. Für Anlagen zur Erzeugung ionisierender Strahlung (Beschleuniger)	Bayerische Landesärztekammer
05/2009	Spezialkenntnisse in der stereotaktisch geführten Präzisionsstrahlentherapie / Radiochirurgie	Bayerische Landesärztekammer
03/2009	Prüfarzt	UK Regensburg
07/ 2014	GCP-Refresherkurs Prüfarzt	UK Würzburg
04/2022	GCP-Refresherkurs Prüfarzt	Leo KH Schweinfurt

### Erfahrung in klinischen Studien:

Mitarbeit in vielen klinischen Studien (Phase I-III & Anwendungsbeobachtungen) in Uni-Kliniken Innsbruck und Würzburg sowie Schweinfurt zwischen 2000 und 2022 (siehe folgende Tabelle)

#### Studien (ausgewählte)

Zeitraum	Bezeichnung	Leitung	Funktion
2015-2018	Impact of a Ketogenic Diet Intervention During Radiotherapy on Body Composition NCT02516501	PD Sweeney, Dr. R. Klement	Principle Investigator
2015-2016	ARO 213-05 Strahlentherapie nach brusterhaltender Operation beim Mammakarzinom: Hypofraktionierung mit simultan-integriertem Boost versus Standard-Fraktionierung (HYPOSIB)	Prof. Dunst, Uni-Lübeck	Prüfarzt
2011-2012	SAKK (Dosisintensivierte Bestrahlung bei Patienten mit Prostata Ca und PSA-Wiederanstieg nach Prostataentfernung)	Dr. Pirus Ghadjar, University Hospital Bern Schweiz	Prüfaarzt
2011-2015	DOSIS (Dose-intensified Image-Guided Fractionated Radiosurgery for Spinal Metastases) NCT01594892	Prof. M. Guckenberger Würzburg PD.Sweeney	Principle Investigator
2009-2010	C-RAD Oberflächenscanner, Pilotstudie; Korrelation zu CBCT	Prof. Flentje, Würzburg	Principle Investigator
2009-2013	PVAG 14	GHSg	Prüfarzt (Strahlentherapie)
2009 -2013	CENTRIC (Cilengitide in kombination mit Temozolomide und Radiotherapy in neu diagnostizierten Glioblastom. Phase III randomisiert	EORTC / Merck	Prüfarzt
2009 - 2013	Multizentrische Pilotstudie zur Therapie von Medulloblastomen des Erwachsenenalters (NOA07)	Neuro Onkologischer Arbeitskreis (NOA)	Prüfarzt (seit 2009)
2007-2013	Oral Vinorelbine and Cisplatin with concomittant radiotherapy followed by either consolidation therapy with oral vinorelbine and Cisplatin or BSC in stage III NSCLC. A randomized pahse III study	Arbeitsgemeinschaft für Radiologische Onkologie (ARO)	Mitarbeit (RT-Planung/Patientenbetreuung/Doku seit 2007)
2008 - 2012	Prospektiv randomisierte, multizentrische Studie der Phase III: Präoperative Radio-Chemotherapie und adjuvante Chemotherapie mit 5 FU plus Oxaliplatin im Vergleich zu einer präoperativen Radiochemotherapie mit 5 FU beim local fortgeschrittenen Rektumkarzinom im UICC-Stadium II und III	ARO	Mitarbeit.( (RT-Planung/Patientenbetreuung/Doku seit 2008)
Ab 08/ 2009	HD 18	German Hodgkin Study Group (GHSg)	Hauptprüfer (Strahlentherapie)
Von 2003-2007	HD 12-15.	German Hodgkin Study Group (GHSg) / Prof. Lukas, Innsbruck	Mitarbeit (seit 2001 (RT-Planung/Patientenbetreuung/ Dokumentation))
1996-2007	Mehrere klinische Anwendungsstudien von Medizinprodukten (intra- und extrakranielle Strahlentherapie), siehe Publikationsliste	Prof. Lukas, Innsbruck	Hauptzuständig
2006-2007	Patiententoleranz auf einem sich bewegendem automatischen	Sweeney, Innsbruck	Hauptprüfer

	Bestrahlungstisch in Vorbereitung auf Tumor tracking unter Strahlentherapie von Lungen / Leber tumoren	(EK nr.: UN 2610)	
2006-2007	Erhebung der Genauigkeit von 2- und 3-dimensionalen Analysen der Field Positioning Errors für die Image Guided Radiotherapy am Linearbeschleuniger mit Cone Beam CT	Sweeney, Innsbruck (EK nr. UN 2863)	Hauptprüfer