



## **Dr. Konrad Buchauer**

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### **Units**

Department of Radiation Oncology

### **Profile Function**

scientist (post doc)

## Publications (24)

Buchauer K (2022). Dosimetrische Herausforderungen bei der Brachytherapie von Hauterkrankungen. Presented at: 10. Dreiländersymposium Brachytherapie vom 10. - 12. März 2022 an der Klinik Oberwaid in St.Gallen, Oberwaid, St. Gallen

Wilke L, Pemler P, Riegler A, Röser A, Schmidhalter D, Spruijt K, Surber G, Vallet V, Wiehle R, Willner J, Winkler P, Wittig A, Guckenberger M, Meier K, Lotze S, Kretschmer M, Moustakis C, Blanck O, Albers D, Albrecht C, Avcu Y, Boucenna R, Buchauer K, Etzelstorfer T, Henkenberens C, Jeller D, Jurianz K, Kornhuber C, Tanadini-Lang S. Improving interinstitutional and intertechnology consistency of pulmonary SBRT by dose prescription to the mean internal target volume dose. *Strahlenther Onkol* 2021; 197:836-846.

Wilke L, Buchauer K. Can a consistent dose to the target volume in SBRT be obtained by prescribing on the mean ITV dose?. *Radiotherapy and Oncology* 2018; 127:215-216.

Buchauer K, Schiefer J, Plasswilm L (2017). Temperature dependent dose error of Gafchromic EBT3 and EBT-XD film and clinical relevance in SRT.

Buchauer K (2016). 3D-Druck zur Optimierung der Dosisverteilung eines HDR-Brachytherapie Oberflächenapplikators mit vertikal angeordneter Quelle.

Buchauer K, Schiefer J, Plasswilm L, Henke G (2016). Vertical type surface brachytherapy applicator improvement with a 3d printed dose compensation body.

Schiefer J, Buchauer K, Heinze S. Tomotherapy dosimetry intercomparison 2016. 2016

Schiefer J, Buchauer K, Heinze S. Tomotherapy dosimetry intercomparison 2015. 2016

Putora P, Engeler D, Haile S, Graf N, Buchauer K, Schmid H, Plasswilm L. Erectile function following brachytherapy, external beam radiotherapy, or radical prostatectomy in prostate cancer patients. *Strahlenther Onkol* 2015; 192:182-9.

Buchauer K, Schiefer J, Plasswilm L (2015). 3d printed dose compensation body to remove dose artifacts of a HDR Brachytherapy surface applicator of the vertical type.

Schiefer H, Buchauer K, Heinze S, Henke G, Plasswilm L. Design and implementation of a "cheese" phantom-based Tomotherapy TLD dose intercomparison. *Strahlenther Onkol* 2015; 191:855-61.

Buchauer K, Henke G, Plasswilm L, Schiefer J (2015). The SSRMP Tomotherapy Dosimetry.

Buchauer K (2014). Introductory lecture: GafChromic dosimetry and the status of the GafChromic detector in clinical small field dosimetry.

Buchauer K, Henke G, Schiefer J, Plasswilm L. Surface dose characterisation of the Varian Ir-192 HDR conical surface applicator set with a vertically orientated source. *Strahlenther Onkol* 2014; 190:1163-8.

**Buchauer K, Schiefer J, Plasswilm L (2014). Scanning protocol improvements in Gafchromic EBT-x dosimetry.**

**Schiefer J, Ingulfsen N, Kluckert J, Peters S, Buchauer K, Putora P, Henke G, Plasswilm L (2014). Investigation of isocenter path characteristics of the gantry rotation with a smartphone application. Presented at: 18th Annual SASRO meeting Lugano, Lugano**

**Buchauer K, Höng L, Henke G, Schiefer J, Plasswilm L (2014). Influence of Characteristic Surface Dose on Calibration and Clinical Use of the Varian IR-192 HDR Surface Applicator Set with Vertical Leipzig-Style Cones.**

**Schiefer J, Buchauer K (2014). Metal artifacts correction algorithm for Siemens CT: MARIS.**

**Schiefer J, Buchauer K, Heinze S. Results of the TLD intercomparison 2014. 2014**

**Buchauer K, Schiefer J, Plasswilm L (2013). Erste klinische Erfahrungen mit Tomotherapie in St. Gallen. Presented at: 30. Jahrestagung der Österreichischen Gesellschaft für Radioonkologie, Bregenz**

**Buchauer K, Schiefer J, Plasswilm L (2013). Analyse der Oberflächendosisverteilung von Varian Ir-192 HDR Applikatoren des vertikalen Leipzig Typ. Presented at: 30. Jahrestagung der Österreichischen Gesellschaft für Radioonkologie, Bregenz**

**Buchauer K, Schiefer J, Plasswilm L (2012). Surface dose optimization of the Varian Ir-192 HDR surface applicator set.**

**Buchauer K. Temperaturkompensierte Dosisverifikation mit Radiochromem Film - Qualitätskontrolle neuer Bestrahlungstechniken im Gesamtkonzept der modernen Strahlentherapie. 2012.**

**Buchauer K, Hillbrand E, de Vries A. GAFCHROMIC® EBT photospectral dose response dependence on temperature and implications for flat bed scanning. Medical Physics 2009; 36:5044-5052.**

## Projects (0)

No results found.

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