PUBLICATIONS

BOOK ARTICLES

Schneider U, Pedroni E. Quantitative Proton Radiography. In: Faulkner K, Carey B, Crellin A, Harrison RM (eds) Quantitative Imaging in Oncology. BIR, London, 1996; 61-63.

Schneider U. Proton radiography. In: , Linz U, ed. Ion Beam Therapy, Chapman and Hall, 1994; 300-307.

REVIEWED PAPERS

2019

Rohrer Bley C, Meier V, Besserer J, Schneider U. Intensity-Modulated Radiation Therapy Dose Prescription and Reporting: Sum and Substance of ICRU Report 83 for Veterinary Medicine. Accepted in Veterinary Radiology & Ultrasound.

Hauri P, Schneider U. Whole-body dose equivalent is similar for 6MV and 15MV intensity-modulated radiation therapy. Journal of Applied Clinical Medical Physics, accepted.

2018

Schneider U, Walsh L, Newhauser W. Tumour size can have an impact on the outcomes of epidemiological studies on second cancers after radiotherapy. Radiat Environ Biophys. 2018 Nov;57(4):311-319. doi: 10.1007/s00411-018-0753-6. Epub 2018 Aug 31.

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Stokkevåg CH, Schneider U, Muren LP, Newhauser W. Radiation-induced cancer risk predictions in proton and heavy ion radiotherapy. Phys Med. 2017 May 13. pii: S1120-1797(17)30109-6. doi: 10.1016/j.ejmp.2017.04.022.

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Zwahlen DR, Bischoff LI, Gruber G, Sumila M, Schneider U. Estimation of second cancer risk after radiotherapy for rectal cancer: comparison of 3D conformal radiotherapy and volumetric modulated arc therapy using different high dose fractionation schemes. Radiat Oncol. 2016 Nov 10;11(1):149.

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Schneider U. Baroclinic zonal currents in rotating stars. Astron Astrophys 1990; 238:142-144.

PROCEEDINGS

2013

Hartmann M, Schneider U. Cancer Integration of second cancer risk calculations in a radiotherapy treatment planning system. ICCR, 6-9.05.2013, Melbourne, Australien

Hälg R, Bashkirov, V, Schulte R, Schneider U, Lomax T. Retrospective Neutron Dose Characterization for Pediatric Proton Therapy. Geant4 2013 International User Conference Bordeaux

Schneider U. IMRT, IGRT, protons and the risk of second cancers. 17th Annual SASRO Meeting 4 – 6 July 2013, Davos, Switzerland.

Schneider U. Proton Radiography and Tomography. Particle Radiosurgery conference, August 25-29 2013, Universitätszentrum Obergurgl, Austria

2012

Schneider U, Walsh L. Cancer risk above 1 Gy and the impact for space radiation protection, ICTR-PHE meeting, 27.02-02.03.2012, Geneva, Switzerland.

Fuji H., Schneider U., Ishida Y, Konno Y. Reduction of organ doses and secondary cancer risks by proton beam therapy and intensity modulated radiation therapy in treatment of neuroblastoma., ASTRO 2012, USA

Schneider U (invited talk) Normal tissue damage – models of second tumor induction after radiotherapy. 39th annual meeting of the European radiation Research (ERR) society, Vietri sul Mare, October 15-19, 2012.

Schneider U (invited talk) Models for secondary cancer induct ion at radiotherapy dose. An update. ESTRO 31, 9-13 May, 2012 Barcelona, Spain.

2011

Dörr, W., Bartkowiak, D., Grantzau, T., Jereczek-Fossa, B. A., Schneider, U. Second cancers after radiation therapy – potentials and pitfalls of the analyses of clinical databases. Radiother.Oncol. 99, Suppl. 1, 2011, S47: ESTRO Anniversary Meeting, London, UK, 08.-12.05.2011

Schneider U, Pedroni E, Hartmann M, Besserer J, Lomax T. Spatial resolution of proton tomography: methods, initial phase space and object thickness, AAPM 53rd annual meeting, 31.07-04.08.2011, Vancouver, Canada.

Schneider U, Hartmann M, Besserer J. Spatial resolution of proton tomography: impact of air gap between patient and detector, DGMP/ÖGMP/SGSMP annual meeting, 28.09-01.10.2011, Vienna, Austria.

W. Dörr, D. Bartkowiak, T. Grantzau, B.A. Jereczek-Fossa, U. Schneider. SECOND CANCERS AFTER RADIATION THERAPY – POTENTIAL AND PITFALLS OF THE ANALYSES OF CLINICAL DATABASES. ESTRO Anniversary Meeting, London, UK, 08.-12.05.2011

ROGER talks!!

2010

Schneider U., Sumila M., Robotka J., Gruber G., Mack A., Besserer J. Breast cancer risk after radiotherapy – Fit of a mechanistic model including fractionation to Hodgkin's disease patients. AAPM 52nd annual meeting, Philadelphia, USA

Schneider U. Strategy for modelling cancer risk from calculated organ dose. ALLEGRO meeting, June 2010, Munich, Germany.

Robotka J., Schneider U., Sumila M. Evaluation of a breast cancer induction model with epidemiological data for involved field Hodgkin's disease radiotherapy. ESTRO 29, September 2010, Barcelona, Spain.

Genhart S., Besserer J., Gruber G, Schneider U. Correlation between central lung distance and NTCP for radiation pneumonitis caused by whole breast irradiation.. ESTRO 29, September 2010, Barcelona, Spain

Hälg RA, Besserer J, Mayer S, Schneider U. Comparison of different radiotherapy treatment techniques, radiation qualities and therapy machines with respect to neutron dose. International Symposium on Standards, Applications and Quality Assurance in Medical Radiation Dosimetry 9-12 November 2010, Vienna, Austria.

2009

Schneider U. Modelling Second Cancers following Radiotherapy, a Comparison of Proton and X-ray Treatments, BIR President's Conference 2009: 19 – 20 May 2009, London, UK

Schneider U. Strategy for modelling cancer risk from calculated organ dose. ALLEGRO meeting, February 2009, Pavia, Italy

2008

Schneider U. Models to predict radiation induced cancer at high dose. ESTRO 27, September 14-17, 2008, Göteborg, Sweden

Schneider U., Lomax A., Timmermann B. Second cancers in children treated with modern radiotherapy techniques. 43th SGSMP annual meeting, Chur, Switzerland.

2007

Zwahlen D, Martin JM, Millar JM, Schneider U. The impact of radiation treatment volume on secondary cancer risk in stage I testicular seminoma. RANZCR 58th scientific meeting , Melbourne, Australia, October 2007.

Schneider U. Radiation-induced Cancers: Is Integral Dose the Ultimate Measure? 9th BIENNIAL ESTRO MEETING, Barcelona, September 2007 (invited talk).

Schneider U. Estimation of radiation-induced cancer from 3D dose distributions: concept of organ equivalent dose. SASRO 11th annual meeting, Aarau, March 2007 (invited talk).

2006

Pfaffenberger A., Schneider U, Poppe B., Oelfke U. Estimating second cancer incidence after radiation therapy. ESTRO 25, Leipzig, October 2006.

Pfaffenberger A., Schneider U, Poppe B., Oelfke U. Modellierung des Zweitkrebsrisikos nach der Strahlentherapie. DGMP annual meeting, Regensburg, September 2006.

Schneider U. Zweitkarzinome nach Strahlentherapie - Implikationen für die Optimierung des Bestrahlungsplanes. DEGRO 2006, Dresden, May 2006.

M.N.J. Steneker, A.J. Lomax, U. Schneider. Intensity modulated photon (IMXT) and proton (IMPT) therapy for the treatment of head and neck tumors. 3rd International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology (ICTR), Lugano, 12.-15.03.06.

U. Schneider, A. Lomax, J. Besserer, N. Lombriser, P. Pemler, D. Ross, B. Kaser-Hotz. The impact of dose escalation on secondary cancer risk after radiotherapy of prostate cancer. 3rd International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology (ICTR), Lugano, 12.-15.03.06.

2005

Schneider U, Lomax A, Pemler P, Besserer J, Ross D, Lombriser N, Kaser-Hotz B. The concept of organ equivalent dose to estimate secondary cancers applied to radiotherapy of prostate cancer. 10th Workshop on Heavy Charged Particles in Biology and Medicine, Oropa, Italy, June 2005.

Schneider U, Lomax A, Pemler P, Besserer J, Ross D, Lombriser N, Kaser-Hotz B. Radiation induced cancer after radiotherapy: The impact of IMRT and proton radiotherapy. 47th Annual Meeting of the AAPM, Seattle, USA, July 2005.

Schneider U. Modeling secondary cancer risk after radiotherapy. SGSMP annual meeting 2005, Lausanne, November 2005.

2004

Schneider U, Zwahlen D, Ross D, Besserer J, Pemler P, Kaser-Hotz B. Estimation of radiation induced cancer from 3D dose distributions: The concept of organ equivalent dose applied to radiotherapy of prostate cancer. Proceedings of the Annual Meeting of the SGSMP, Bern, Switzerland, October 2004.

Schneider U, Pemler P, Besserer J, Kaser-Hotz B. Estimation of radiation induced organ specific cancer incidence for radiotherapy treatment planning. Proceedings of the 15th Annual NASA Space radiation health investigator's workshop, Port Jefferson, NY, USA, May 2004, Rad. Res.

Scheib G, Cresenti R, Vogelsanger W, Gianolini S, Lomax A, Schneider U. Normoxic Polymer Gel - Basic characterisation and clinical use. Proceedings of the Dosgel 2004, Gent, Belgium, September 2004.

Crescenti R, Scheib S, Lomax A, Schneider U. Magic gel composition and MR imaging parameter optimization for 3-D dose verifications in IMRT, proton therapy and radiosurgery. Proceedings of the Annual Meeting of the SGSMP, Bern, Switzerland, October 2004.

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Lomax N, Cozzi L, Fogliata-Cozzi A, Ionescu-Farca F, Roser H, Schneider U, Trueb P. What's what in linac QC according to SGSMP recommendations number 11. Proceedings of the Annual Meeting of the SGSMP, Bern, Switzerland, October 2004

2003

Schneider U. Comparison of the risk of radio-induced cacinogenesis. Can this method be transferred to heavy ion therapy? 9th Workshop on Heavy Charged Particles in Biology and Medicine, Lyon, France October 2003, invited talk.

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