

Publikationen 2015

Bakr, A., Oing, C., Köcher, S., Borgmann, K., Dornreiter, I., Petersen, C., Mansour, W. Y. (Mar 2015). Involvement of ATM in homologous recombination after end resection and RAD51 nucleofilament formation. *Nucleic Acids Res.*

Busch, C.-J., Tribius, S., Schafhausen, P., & Knecht, R. (Mar 2015). The current role of systemic chemotherapy in the primary treatment of head and neck cancer. *Cancer Treat Rev*, 41(3), 217-221.

Frenzel, T., Grohmann, C., Schumacher, U., and Krüll, A. (Feb 2015). Monitoring of small laboratory animal experiments by a designated web-based database. *Lab Anim.*

Hanken, H., Wilkens, R., Riecke, B., Al-Dam, A., Tribius, S., Kluwe, L., . . . Gröbe, A. (Jan 2015). Is immediate bony microsurgical reconstruction after head and neck tumor ablation associated with a higher rate of local recurrence? *J Craniomaxillofac Surg*

Quabius, E. S., Haag, J., Kühnel, A., Henry, H., Hoffmann, A. S. et. al. (Jan 2015). Geographical and anatomical influences on human papillomavirus prevalence diversity in head and neck squamous cell carcinoma in Germany. *Int J Oncol*, 46(1), 414-422.

Rades, D., Huttenlocher, S., Rudat, V., Hornung, D., Blanck, O., Phuong, P. C., . . . Fischer, D. (Jan 2015). Radiosurgery with 20 Gy provides better local control of 1-3 brain metastases from breast cancer than with lower doses. *Anticancer Res*, 35(1), 333-336.

Reuther, S., Szymczak, S., Raabe, A., Borgmann, K., Ziegler, A., Petersen, C., . . . Hoeller, U. (Jan 2015). Association between SNPs in defined functional pathways and risk of early or late toxicity as well as individual radiosensitivity. *Strahlenther Onkol*, 191(1), 59-66.

Tribius, S., Raguse, M., Voigt, C., Münscher, A., Gröbe, A., Petersen, C., . . . Singer, S. (Mar 2015). Residual deficits in quality of life one year after intensity-modulated radiotherapy for patients with locally advanced head and neck cancer: Results of a prospective study. *Strahlenther Onkol*.

Whelan, J. S., Bielack, S. S., Marina, N., Smeland, S., Jovic, G., Hook, J. M. (Feb 2015). EURAMOS-1, an international randomised study for osteosarcoma: results from pre-randomisation treatment. *Ann Oncol*, 26(2), 407-414.

T Frenzel, A Krüll (2015). The use of IMRT in Germany. *Strahlentherapie und Onkologie*. In Print.

S Tribius, J Donner, H Pazdyka, A Münscher, A Gröbe, C Petersen, A Krüll (2015) Does treatment time matter in patients with locally advanced head and neck cancer? An old chestnut revisited. *Oral Oncology*. In Print.

Publikationen 2014

Becker, A., Placke, A., Kluth, L., Schwarz, R., Isbarn, H., Chun, F., . . . Ahyai, S. A. (Mar 2014). Holmium laser enucleation of the prostate is safe in patients with prostate cancer and lower urinary tract symptoms--a retrospective feasibility study. *J Endourol*, 28(3), 335-341.

Bug, M. U., Gargioni, E., Baek, W. Y., Hilgers, G., Nettelbeck, H., Rosenfeld, A. B., & Rabus, H. (Oct 2014). Proton-impact ionisation cross sections for nanodosimetric track structure simulations. *Radiat Prot Dosimetry*, 161(1-4), 474-477.

Burandt, E., Grünert, M., Lebeau, A., Choschzick, M., Quaas, A., Jänicke, F., . . . Wilczak, W. (May 2014). Cyclin D1 gene amplification is highly homogeneous in breast cancer. *Breast Cancer*.

Clauditz, T. S., von Rheinbaben, K., Lebok, P., Minner, S., Tachezy, M., Borgmann, K., . . . Münscher, A. (Oct 2014). Activated leukocyte cell adhesion molecule (ALCAM/CD166) expression in head and neck squamous cell carcinoma (HNSC). *Pathol Res Pract*, 210(10), 649-655.

Frenzel, T., Grohmann, C., Schumacher, U., & Krüll, A. (Dec 2014). Partial body irradiation of small laboratory animals with an industrial X-ray tube. *Z Med Phys*, 24(4), 352-362.

Güster, J. D., Weissleder, S. V., Busch, C.-J., Kriegs, M., Petersen, C., Knecht, R., . . . Rieckmann, T. (Dec 2014). The inhibition of PARP but not EGFR results in the radiosensitization of HPV/p16-positive HNSC cell lines. *Radiother Oncol*, 113(3), 345-351.

Gerber, N. U., von Hoff, K., Resch, A., Ottensmeier, H., Kwiecien, R., Faldum, A., . . . Kortmann, R. D. (Jul 2014). Treatment of children with central nervous system primitive neuroectodermal tumors/pinealoblastomas in the prospective multicentric trial HIT 2000 using hyperfractionated radiation therapy followed by maintenance chemotherapy. *Int J Radiat Oncol Biol Phys*, 89(4), 863-871.

Grohmann, C., Frenzel, T., Werner, R., & Cremers, F. (Sep 2014). Design, performance characteristics and application examples of a new 4D motion platform. *Z Med Phys*. Höcker, A., Krüll, A., Koch, U., & Mehnert, A. (Nov 2014). Exploring spiritual needs and their associated factors in an urban sample of early and advanced cancer patients. *Eur J Cancer Care (Engl)*, 23(6), 786-794.

Hilgers, G., Bug, M. U., Gargioni, E., & Rabus, H. (Oct 2014). Comparison of measured and Monte Carlo simulated track structure parameters in nanometric volumes. *Radiat Prot Dosimetry*, 161(1-4), 441-444.

Huttenlocher, S., Sehmisch, L., Schild, S. E., Blank, O., Hornung, D., & Rades, D. (Oct 2014). Identifying melanoma patients with 1-3 brain metastases who may benefit from whole-brain irradiation in addition to radiosurgery. *Anticancer Res*, 34(10), 5589-5592.

A Höcker, A KRÜLL, U Koch, A Mehnert (2014). Exploring spiritual needs and their associated factors in an urban sample of early and advanced cancer patients. *Eur J Cancer Care* 23(6):786-94.

Kilic, E., Schild, S. E., Thorns, C., Bajrovic, A., & Rades, D. (Sep 2014). Prognostic role of vascular endothelial growth factor and its receptor-1 in patients with esophageal cancer. *Anticancer Res*, 34(9), 5221-5226.

Kötter, A., Cornils, K., Borgmann, K., Dahm-Daphi, J., Petersen, C., Dikomey, E., & Mansour, W. Y. (Jul 2014). Inhibition of PARP1-dependent end-joining contributes to Olaparib-mediated radiosensitization in tumor cells. *Mol Oncol*.

Kubitz, J. C., Richter, H. P., Petersen, C., Goetz, A. E., & Reuter, D. A. (Sep 2014). Right ventricular stroke volume variation: a tool to assess right ventricular volume responsiveness. *Minerva Anesthesiol*, 80(9), 992-995.

Laban, S., Atanackovic, D., Luetkens, T., Knecht, R., Busch, C.-J., Freytag, M., . . . Clauditz, T. S. (Sep 2014). Simultaneous cytoplasmic and nuclear protein expression of melanoma antigen-A family and NY-ESO-1 cancer-testis antigens represents an independent marker for poor survival in head and neck cancer. *Int J Cancer*, 135(5), 1142-1152.

Münscher, A., Sehner, S., Taleh, J., Tribius, S., Möckelmann, N., Böttcher, A., . . . Knecht, R. (Jun 2014). Role of panendoscopy in identifying and managing risk of head and neck squamous cell carcinoma in routine follow-up: a retrospective clinical evaluation. *Eur Arch Otorhinolaryngol*.

Quabius, E. S., Haag, J., Kühnel, A., Henry, H., Hoffmann, A. S., Görögh, T., . . . Hoffmann, M. (Oct 2014). Geographical and anatomical influences on human papillomavirus prevalence diversity in head and neck squamous cell carcinoma in Germany. *Int J Oncol*.

C Petersen, Y Goy, A Krüll (2014). Strahlentherapie beim Vulva- und Vaginalkarzinom. *Onkologe*. 2014 Apr; 20 (4): 348-354.

Rades, D., Bajrovic, A., Schild, S. E., Thorns, C., & Kilic, E. (Aug 2014). Biologic factors associated with tumor oxygenation are prognostic in patients with stage III esophageal cancer: long-term results. *Anticancer Res*, 34(8), 4351-4355.

Rades, D., Evers, J. N., Bajrovic, A., Veninga, T., & Schild, S. E. (May 2014). Re-irradiation of spinal cord compression due to metastasis in elderly patients. *Anticancer Res*, 34(5), 2555-2558.

Rades, D., Evers, J. N., Bajrovic, A., Veninga, T., Karstens, J. H., & Schild, S. E. (Mar 2014). Metastatic spinal cord compression : A validated survival score for elderly patients. *Strahlenther Onkol*.

Rades, D., Evers, J. N., Rudat, V., Bajrovic, A., Karstens, J. H., & Schild, S. E. (2014). A validated score estimating ambulatory status following radiotherapy of elderly patients for metastatic spinal cord compression. *BMC Cancer*, 14, 589.

Rades, D., Weber, A., Bartscht, T., Bajrovic, A., Karstens, J. H., & Schild, S. E. (Jul 2014). A new prognostic factor for the survival of patients with renal cell carcinoma developing metastatic spinal cord compression. *Strahlenther Onkol*, 190(7), 667-670.

Reuther, S., Szymczak, S., Raabe, A., Borgmann, K., Ziegler, A., Petersen, C., . . . Hoeller, U. (Aug 2014). Association between SNPs in defined functional pathways and risk of early or late toxicity as well as individual radiosensitivity. *Strahlenther Onkol*.

Schiffmann, J., Lesmana, H., Tennstedt, P., Beyer, B., Boehm, K., Platz, V., . . . Schwarz, R. (Dec 2014). Additional androgen deprivation makes the difference: Biochemical recurrence-free survival in prostate cancer patients after HDR brachytherapy and external beam radiotherapy. *Strahlenther Onkol*.

Serpa, M., Baier, K., Cremers, F., Guckenberger, M., & Meyer, J. (Mar 2014). Suitability of markerless EPID tracking for tumor position verification in gated radiotherapy. *Med Phys*, 41(3), 031702.

Tachezy, M., Gebauer, F., Petersen, C., Arnold, D., Trepel, M., Wegscheider, K., . . . Yekebas, E. (2014). Sequential neoadjuvant chemoradiotherapy (CRT) followed by curative surgery vs. primary surgery alone for resectable, non-metastasized pancreatic adenocarcinoma: NEOPA- a randomized multicenter phase III study (NCT01900327, DRKS00003893, ISRCTN82191749). *BMC Cancer*, 14, 411.

Tribius, S., & Petersen, C. (Oct 2014). [Induction chemotherapy in locally advanced head and neck cancer? No. *Dtsch Med Wochenschr*, 139(41), 2081.

Würschmidt, F., Stoltenberg, S., Kretschmer, M., & Petersen, C. (Jun 2014). Incidental dose to coronary arteries is higher in prone than in supine whole breast irradiation. A dosimetric comparison in adjuvant radiotherapy of early stage breast cancer. *Strahlenther Onkol*, 190(6), 563-568.

Publikationen 2013

Bielack S, Kempf-Bielack B, Von Kalle T, Schwarz R, Wirth T, Kager L, Whelan J. Controversies in childhood osteosarcoma. *Minerva Pediatrica*. 65:125-48;2013.
Petersen C und Schwarz R. Prostate cancer. *Medical Radiology. Radiation Oncology*. Springer-Verlag Berlin Heidelberg. 2013.

Baumann, M., Bodis, S., Dikomey, E., van der Kogel, A., Overgaard, J., Rodemann, H. P., et al. (Sep 2013). Molecular radiation biology/oncology at its best: cutting edge research presented at the 13th International Wolfsberg Meeting on Molecular Radiation Biology/Oncology. *Radiother Oncol*, 108(3), 357-361.

Borgmann, K. L., Conway, C. J., & Morrison, M. L. (2013). Breeding phenology of birds: mechanisms underlying seasonal declines in the risk of nest predation. *PLoS One*, 8(6), e65909.

Bug, M. U., Gargioni, E., Nettelbeck, H., Baek, W. Y., Hilgers, G., Rosenfeld, A. B., et al. (Oct 2013). Ionization cross section data of nitrogen, methane, and propane for light ions and electrons and their suitability for use in track structure simulations. *Phys Rev E Stat Nonlin Soft Matter Phys*, 88(4), 043308.

Busch, C.-J., Kriegs, M., Laban, S., Tribius, S., Knecht, R., Petersen, C., et al. (Sep 2013). HPV-positive HNSCC cell lines but not primary human fibroblasts are radiosensitized by the inhibition of Chk1. *Radiother Oncol*, 108(3), 495-499.

Clauditz, T. S., Wang, C.-J., Gontarewicz, A., Blessmann, M., Tennstedt, P., Borgmann, K., et al. (Feb 2013). Expression of insulin-like growth factor II mRNA-binding protein 3 in squamous cell carcinomas of the head and neck. *J Oral Pathol Med*, 42(2), 125-132.

Dikomey, E. (Sep 2013). [Predictive marker for acute normal tissue toxicity in radiotherapy of non-small cell lung cancer]. *Strahlenther Onkol*, 189(9), 806-808.

Fields, J., Cisneros, I. E., Borgmann, K., & Ghorpade, A. (2013). Extracellular regulated kinase 1/2 signaling is a critical regulator of interleukin-1 β -mediated astrocyte tissue inhibitor of metalloproteinase-1 expression. *PLoS One*, 8(2), e56891.

Gröbe, A., Hanken, H., Kluwe, L., Schöllchen, M., Tribius, S., Pohlenz, P., et al. (Oct 2013). Immunohistochemical analysis of p16 expression, HPV infection and its prognostic utility in oral squamous cell carcinoma. *J Oral Pathol Med*, 42(9), 676-681.

Holmström, F., Pasetto, A., Nähr, V., Brass, A., Kriegs, M., Hildt, E., et al. (Feb 2013). A synthetic codon-optimized hepatitis C virus nonstructural 5A DNA vaccine primes polyfunctional CD8+ T cell responses in wild-type and NS5A-transgenic mice. *J Immunol*, 190(3), 1113-1124

Janjetovic, S., Bokemeyer, C., Fiedler, W., Frenzel, T., Calaminus, G., & Honecker, F. (2013). Late recurrence of a pineal germinoma 14 years after radiation and chemotherapy: a case report and review of the literature. *Onkologie*, 36(6), 371-373.

Kari, V., Karpiuk, O., Tieg, B., Kriegs, M., Dikomey, E., Krebber, H., et al. (2013). A subset of histone H2B genes produces polyadenylated mRNAs under a variety of cellular conditions. *PLoS One*, 8(5), e63745.

Kluth, M., Hesse, J., Heini, A., Krohn, A., Steurer, S., Sirma, H., et al. (Jul 2013). Genomic deletion of MAP3K7 at 6q12-22 is associated with early PSA recurrence in prostate cancer and absence of TMPRSS2:ERG fusions. *Mod Pathol*, 26(7), 975-983.

Köcher, S., Spies-Naumann, A., Kriegs, M., Dahm-Daphi, J., & Dornreiter, I. (Sep 2013). ATM is required for the repair of Topotecan-induced replication-associated double-strand breaks. *Radiother Oncol*, 108(3), 409-414.

Krüll, A., & Debatin, J. F. (Feb 2013). [Establishing an Ambulatory Health-Care Centre (AHCC) at a University Hospital]. *Zentralbl Chir*, 138(1), 57-63.

Kubitz, J. C., Richter, H. P., Petersen, C., Goetz, A. E., & Reuter, D. A. (Sep 2014). Right ventricular stroke volume variation: a tool to assess right ventricular volume responsiveness. *Minerva Anesthesiol*, 80(9), 992-995.

Laban, S., Steinmeister, L., Gleißner, L., Grob, T. J., Grénman, R., Petersen, C., et al. (Nov 2013). Sorafenib sensitizes head and neck squamous cell carcinoma cells to ionizing radiation. *Radiother Oncol*, 109(2), 286-292.

Laban, S., Wang, C. J., Münscher, A., Tribius, S., Schafhausen, P., & Knecht, R. (May 2013). Molecular targeting agents in the context of primary chemoradiation strategies. *Head Neck*, 35(5), 738-746.

Larmann, J., Frenzel, T., Schmitz, M., Hahnenkamp, A., Demmer, P., Immenschuh, S., et al. (Jul 2013). In vivo fluorescence-mediated tomography imaging demonstrates atorvastatin-mediated reduction of lesion macrophages in ApoE^{-/-} mice. *Anesthesiology*, 119(1), 129-141.

Mahner, S., Trillsch, F., Kock, L., Rohsbach, D., Petersen, C., Kruell, A., et al. (Jul 2013). Adjuvant therapy in node-positive vulvar cancer. *Expert Rev Anticancer Ther*, 13(7), 839-844.

Mansour, W. Y., Bogdanova, N. V., Kasten-Pisula, U., Rieckmann, T., Köcher, S., Borgmann, K., et al. (Jan 2013). Aberrant overexpression of miR-421 downregulates ATM and leads to a pronounced DSB repair defect and clinical hypersensitivity in SKX squamous cell carcinoma. *Radiother Oncol*, 106(1), 147-154.

Mansour, W. Y., Borgmann, K., Petersen, C., Dikomey, E., & Dahm-Daphi, J. (Dec 2013). The absence of Ku but not defects in classical non-homologous end-joining is required to trigger PARP1-dependent end-joining. *DNA Repair (Amst)*, 12(12), 1134-1142.

Münscher, A., Busch, C.-J., Schafhausen, P., Tribius, S., & Knecht, R. (Nov 2013). [The most important study results of primary chemoradiation for head and neck squamous cell carcinoma : highlights of the ASCO Meeting 2013]. *HNO*, 61(11), 905-910.

Nikkilä, J., Parpys, A. C., Pylkäs, K., Bose, M., Huo, Y., Borgmann, K., et al. (2013). Heterozygous mutations in PALB2 cause DNA replication and damage response defects. *Nat Commun*, 4, 2578.

Pfäffle, H. N., Wang, M., Gheorghiu, L., Ferraiolo, N., Greninger, P., Borgmann, K., et al. (Oct 2013). EGFR-activating mutations correlate with a Fanconi anemia-like cellular phenotype that includes PARP inhibitor sensitivity. *Cancer Res*, 73(20), 6254-6263.
Rades, D., Veninga, T., Bajrovic, A., Karstens, J. H., & Schild, S. E. (Jun 2013). A validated scoring system to identify long-term survivors after radiotherapy for metastatic spinal cord compression. *Strahlenther Onkol*, 189(6), 462-466.

Reuther, S., Metzke, E., Bonin, M., Petersen, C., Dikomey, E., & Raabe, A. (Feb 2013). No effect of the transforming growth factor #1 promoter polymorphism C-509T on TGFB1 gene expression, protein secretion, or cellular radiosensitivity. *Int J Radiat Oncol Biol Phys*, 85(2), 460-465.

Reuther, S., Reiter, M., Raabe, A., & Dikomey, E. (Nov 2013). Effect of irradiation on the expression of DNA repair genes studied in human fibroblasts by real-time qPCR using three methods of reference gene validation. *Radiat Environ Biophys*, 52(4), 463-469.

Rieckmann, T., Kriegs, M., Nitsch, L., Hoffer, K., Rohaly, G., Kocher, S., et al. (Feb 2013). p53 modulates homologous recombination at I-SceI-induced double-strand breaks through cell-cycle regulation. *Oncogene*, 32(8), 968-975.

Rieckmann, T., Tribius, S., Grob, T. J., Meyer, F., Busch, C.-J., Petersen, C., et al. (May 2013). HNSCC cell lines positive for HPV and p16 possess higher cellular radiosensitivity due to an impaired DSB repair capacity. *Radiother Oncol*, 107(2), 242-246.

Saker, J., Kriegs, M., Zenker, M., Heldt, J.-M., Eke, I., Pietzsch, H.-J., et al. (Mar 2013). Inactivation of HNSCC cells by 90Y-labeled cetuximab strictly depends on the number of induced DNA double-strand breaks. *J Nucl Med*, 54(3), 416-423.

Tennstedt, P., Fresow, R., Simon, R., Marx, A., Terracciano, L., Petersen, C., et al. (May 2013). RAD51 overexpression is a negative prognostic marker for colorectal adenocarcinoma. *Int J Cancer*, 132(9), 2118-2126.

Tribius, S., & Hoffmann, M. (Mar 2013). Human papilloma virus infection in head and neck cancer. *Dtsch Arztebl Int*, 110(11), 184--90, 190e1.

Tribius, S., Sommer, J., Prosch, C., Bajrovic, A., Muenscher, A., Blessmann, M., et al. (Mar 2013). Xerostomia after radiotherapy. What matters--mean total dose or dose to each parotid gland? *Strahlenther Onkol*, 189(3), 216-222.

Woelber, L., Trillsch, F., Kock, L., Grimm, D., Petersen, C., Choschzick, M., et al. (May 2013). Management of patients with vulvar cancer: a perspective review according to tumour stage. *Ther Adv Med Oncol*, 5(3), 183-192.

Zils, K., Bielack, S., Wilhelm, M., Werner, M., Schwarz, R., Windhager, R., et al. (Aug 2013). Osteosarcoma of the mobile spine. *Ann Oncol*, 24(8), 2190-2195.

Publikationen 2012

Andreassen, C. N., Dikomey, E., Parliament, M., & West, C. M. (Dec 2012). Will SNPs be useful predictors of normal tissue radiosensitivity in the future? *Radiother Oncol*, 105(3), 283-288.

Ashutosh, Chao, C., Borgmann, K., Brew, K., & Ghorpade, A. (2012). Tissue inhibitor of metalloproteinases-1 protects human neurons from staurosporine and HIV-1-induced apoptosis: mechanisms and relevance to HIV-1-associated dementia. *Cell Death Dis*, 3, e332.

Clauditz, T. S., Wang, C.-J., Gontarewicz, A., Blessmann, M., Tennstedt, P., Borgmann, K., et al. (Feb 2013). Expression of insulin-like growth factor II mRNA-binding protein 3 in squamous cell carcinomas of the head and neck. *J Oral Pathol Med*, 42(2), 125-132.
Dikomey, E., Dahm-Daphi, J., & Distel, L. (Nov 2012). Prediction of the reaction of normal tissue and tumor cells to radiotherapy]. *Strahlenther Onkol*, 188 Suppl 3, 304-307.

Douglas, S., Huttenlocher, S., Bajrovic, A., Rudat, V., Schild, S. E., & Rades, D. (2012) Prognostic factors for different outcomes in patients with metastatic spinal cord compression from cancer of unknown primary. *BMC Cancer*, 12, 261.

Friedrich, R. E., Todorovic, M., Heiland, M., Scheuer, H. A., & Krüll, A. (May 2012). Scattering effects of irradiation on surroundings calculated for a small dental implant. *Anticancer Res*, 32(5), 2043-2046.

Hoffmann, M., Hoffmann, A. S., & Tribius, S. (Nov 2012). Public awareness of human papilloma virus infection in the head and neck area: an appeal for precision in diagnostics and for public health awareness]. *HNO*, 60(11), 968-973.

Hoffmann, M., Tribius, S., Quabius, E. S., Henry, H., Pfannenschmidt, S., Burkhardt, C., et al. (Oct 2012). HPV DNA, E6*I-mRNA expression and p16INK4A immunohistochemistry in head and neck cancer - how valid is p16INK4A as surrogate marker? *Cancer Lett*, 323(1), 88-96.

Köcher, S., Rieckmann, T., Rohaly, G., Mansour, W. Y., Dikomey, E., Dornreiter, I., et al. (Sep 2012). Radiation-induced double-strand breaks require ATM but not Artemis for homologous recombination during S-phase. *Nucleic Acids Res*, 40(17), 8336-8347.
Laban, S., Wang, C. J., Knecht, R., Tribius, S., & Münscher, A. (May 2012). New aspects of primary radiochemotherapy in head and neck cancer. Highlights from the 2011 ASCO Congress]. *HNO*, 60(5), 393-397.

Laban, S., Wang, C. J., Münscher, A., Tribius, S., Schafhausen, P., & Knecht, R. (May 2013). Molecular targeting agents in the context of primary chemoradiation strategies. *Head Neck*, 35(5), 738-746.

Laban, S., Zielinski, V., Busch, C.-J., Münscher, A., Schafhausen, P., Tribius, S., et al. (Nov 2012). [The most important results on primary chemoradiation for head and neck squamous cell carcinoma: highlights from the 2012 ASCO meeting]. *HNO*, 60(11), 962-967.

- Lazarakis, P., Bug, M. U., Gargioni, E., Guatelli, S., Incerti, S., Rabus, H., et al. (Jan 2012). Effect of a static magnetic field on nanodosimetric quantities in a DNA volume. *Int J Radiat Biol*, 88(1-2), 183-188.
- Lazarakis, P., Bug, M. U., Gargioni, E., Guatelli, S., Rabus, H., & Rosenfeld, A. B. (Mar 2012). Comparison of nanodosimetric parameters of track structure calculated by the Monte Carlo codes Geant4-DNA and PTra. *Phys Med Biol*, 57(5), 1231-1250.
- Mansour, W. Y., Bogdanova, N. V., Kasten-Pisula, U., Rieckmann, T., Köcher, S., Borgmann, K., et al. (Jan 2013). Aberrant overexpression of miR-421 downregulates ATM and leads to a pronounced DSB repair defect and clinical hypersensitivity in SKX squamous cell carcinoma. *Radiother Oncol*, 106(1), 147-154.
- Parpys, A. C., Petermann, E., Petersen, C., Dikomey, E., & Borgmann, K. (Mar 2012). DNA damage by X-rays and their impact on replication processes. *Radiother Oncol*, 102(3), 466-471.
- Raabe, A., Derda, K., Reuther, S., Szymczak, S., Borgmann, K., Hoeller, U., et al. (2012). Association of single nucleotide polymorphisms in the genes ATM, GSTP1, SOD2, TGFB1, XPD and XRCC1 with risk of severe erythema after breast conserving radiotherapy. *Radiat Oncol*, 7, 65.
- Rades, D., Douglas, S., Huttenlocher, S., Veninga, T., Bajrovic, A., Rudat, V., et al. (Dec 2012). Prognostic factors and a survival score for patients with metastatic spinal cord compression from colorectal cancer. *Strahlenther Onkol*, 188(12), 1114-1118.
- Rades, D., Douglas, S., Veninga, T., Bajrovic, A., Stalpers, L. J., Hoskin, P. J., et al. (Sep 2012). A survival score for patients with metastatic spinal cord compression from prostate cancer. *Strahlenther Onkol*, 188(9), 802-806.
- Rades, D., Douglas, S., Veninga, T., Bajrovic, A., Stalpers, L. J., Hoskin, P. J., et al. (Jun 2012). Metastatic spinal cord compression in non-small cell lung cancer patients. Prognostic factors in a series of 356 patients. *Strahlenther Onkol*, 188(6), 472-476.
- Rades, D., Douglas, S., Veninga, T., Poortmans, P., Bajrovic, A., Hoskin, P. J., et al. (Jul 2012). Prognostic factors for local control and survival in patients with spinal cord compression from myeloma. *Strahlenther Onkol*, 188(7), 628-631.
- Rades, D., Douglas, S., Veninga, T., Stalpers, L. J., Bajrovic, A., Rudat, V., et al. (Apr 2012). Prognostic factors in a series of 504 breast cancer patients with metastatic spinal cord compression. *Strahlenther Onkol*, 188(4), 340-345.
- Rades, D., Hakim, S. G., Bajrovic, A., Karstens, J. H., Veninga, T., Rudat, V., et al. (Oct 2012). Impact of zoledronic acid on control of metastatic spinal cord compression. *Strahlenther Onkol*, 188(10), 910-916.
- Rades, D., Huttenlocher, S., Evers, J. N., Bajrovic, A., Karstens, J. H., Rudat, V., et al. (May 2012). Do elderly patients benefit from surgery in addition to radiotherapy for treatment of metastatic spinal cord compression? *Strahlenther Onkol*, 188(5), 424-430.
- Reuther, S., Metzke, E., Bonin, M., Petersen, C., Dikomey, E., & Raabe, A. (Feb 2013). No effect of the transforming growth factor #1 promoter polymorphism C-509T on TGFB1 gene expression, protein secretion, or cellular radiosensitivity. *Int J Radiat Oncol Biol Phys*, 85(2), 460-465.
- Rieckmann, T., Kriegs, M., Nitsch, L., Hoffer, K., Rohaly, G., Kocher, S., et al. (Feb 2013).

p53 modulates homologous recombination at I-SceI-induced double-strand breaks through cell-cycle regulation. *Oncogene*, 32(8), 968-975.

Tennstedt, P., Fresow, R., Simon, R., Marx, A., Terracciano, L., Petersen, C., et al. (May 2013). RAD51 overexpression is a negative prognostic marker for colorectal adenocarcinoma. *Int J Cancer*, 132(9), 2118-2126.

Tribius, S., Hoffmann, A. S., Bastrop, S., Görögh, T., Haag, J., Röcken, C., et al. (Nov 2012). HPV status in patients with head and neck of carcinoma of unknown primary site: HPV, tobacco smoking, and outcome. *Oral Oncol*, 48(11), 1178-1184.

Tribius, S., Reemts, E., Prosch, C., Raguse, M., Petersen, C., Kruell, A., et al. (Sep 2012) Global quality of life during the acute toxicity phase of multimodality treatment for patients with head and neck cancer: can we identify patients most at risk of profound quality of life decline? *Oral Oncol*, 48(9), 898-904.

Woelber, L., Eulenburg, C., Choschzick, M., Kruell, A., Petersen, C., Giesecking, F., et al. (Mar 2012) Prognostic role of lymph node metastases in vulvar cancer and implications for adjuvant treatment. *Int J Gynecol Cancer*, 22(3), 503-508.

Publikationen 2011

Kordes U, Flitsch J, Hagel C, Goebell E, Schwarz R, Herberhold T, von Bueren AO, Rutkowski S, Müller HL. Ectopic craniopharyngioma. *Klinische Pädiatrie* 223:176-7. 2011. S. Bielack und R. und Schwarz, et al. Osteosarkome. S1 Leitlinie der Gesellschaft für Pädiatrische Onkologie und Hämatologie 2011.

Bannas P., Weber C., Adam G., Frenzel T., Derlin T., Mester J., Klutmann S.:(2011) Contrast-Enhanced [(18)F]fluorodeoxyglucose-Positron Emission Tomography/Computed Tomography for Staging and Radiotherapy Planning in Patients with Anal Cancer. *INT J RADIAT ONCOL*, 81: 445-451.

Kasten-Pisula U., Saker J., Eicheler W., Krause M., Yaromina A., Meyer-Staeckling S., Scherkl B., Kriegs M., Brandt B., Grénman R., Petersen C., Baumann M., Dikomey E.:(2011)

Cellular and tumor radiosensitivity is correlated to epidermal growth factor receptor protein expression level in tumors without EGFR amplification. *INT J RADIAT ONCOL*, 80: 1181-8. Lehmann C., Beierlein V., Hagen-Aukamp C., Kerschgens C., Rhee M., Frühauf S., Otto J., Graefen M., Krüll A., Berger D., Koch U., Bergelt C.:(2011)

[Psychosocial Predictors of Utilization of Medical Rehabilitation Services among Prostate Cancer Patients.]. *Rehabilitation (Stuttg)*, 51(3):160-70.

Myllynen L., Rieckmann T., Dahm-Daphi J., Kasten-Pisula U., Petersen C., Dikomey E., Kriegs M.:(2011) In tumor cells regulation of DNA double strand break repair through EGF receptor involves both NHEJ and HR and is independent of p53 and K-Ras status. *Radiother Oncol*, 101: 147-51.

Petersen C., Würschmidt F. (2011). Late Toxicity of Radiotherapy: A Problem or a Challenge for the Radiation Oncologist? *BREAST CARE*, 6: 369-374.

Rades D., Freundt K., Meyners T., Bajrovic A., Basic H., Karstens J.H., Adamietz I.A., Wildfang I., Rudat V., Schild S.E., Dunst J.:(2011) Dose Escalation for Metastatic Spinal

Cord Compression in Patients with Relatively Radioresistant Tumors. INT J RADIAT ONCOL, 80: 1492-1497.

Rades D., Kronemann S., Meyners T., Bohlen G., Tribius S., Kazic N., Schroeder U., Hakim S.G., Schild S.E., Dunst J.:(2011) Comparison of four cisplatin-based radiochemotherapy regimens for nonmetastatic stage III/IV squamous cell carcinoma of the head and neck. INT J RADIAT ONCOL, 80: 1037-44.

Rades D., Lange M., Veninga T., Stalpers L.J.A., Bajrovic A., Adamietz I.A., Rudat V., Schild S.E.:(2011) Final results of a prospective study comparing the local control of short-course and long-course radiotherapy for metastatic spinal cord compression. INT J RADIAT ONCOL, 79: 524-30.

Rollet S., Colautti P., Grosswendt B., Herault J., Wind M., Gargioni E., Beck P., Latocha M., Moro D.:(2011) Microdosimetric assessment of the radiation quality of a therapeutic proton beam: comparison between numerical simulation and experimental measurements. RADIAT PROT DOSIM, 143: 445-9.

Tribius S., Bergelt C.:(2011) Intensity-modulated radiotherapy versus conventional and 3D conformal radiotherapy in patients with head and neck cancer: is there a worthwhile quality of life gain? CANCER TREAT REV, 37: 511-9.

Tribius S., Ihloff A.S., Rieckmann T., Petersen C., Hoffmann M.:(2011) Impact of HPV status on treatment of squamous cell cancer of the oropharynx: what we know and what we need to know. Cancer Lett, 304: 71-9.

Vehling S., Lehmann C., Oechsle K., Bokemeyer C., Krüll A., Koch U., Mehnert A.:(2011) Global meaning and meaning-related life attitudes: exploring their role in predicting depression, anxiety, and demoralization in cancer patients. Support Care Cancer, 19: 513-520.

Woelber L., Choschzick M., Eulenburg C., Hager M., Jaenicke F., Giesecking F., Kock L., Ihnen M., Petersen C., Schwarz J., Mahner S.:(2011) Prognostic value of pathological resection margin distance in squamous cell cancer of the vulva. Ann Surg Oncol, 18: 3811-8.

Woelber L., Kock L., Giesecking F., Petersen C., Trillsch F., Choschzick M., Jaenicke F., Mahner S.:(2011) Clinical management of primary vulvar cancer. Eur J Cancer, 47: 2315-21.
Würschmidt F., Petersen C., Wahl A., Dahle J., Kretschmer M.:(2011) [18F]fluoroethylcholine-PET/CT imaging for radiation treatment planning of recurrent and primary prostate cancer with dose escalation to PET/CT-positive lymph nodes. Radiat Oncol, 6: 44.

Rades, Dirk; Huttenlocher, Stefan; Bajrovic, Amira; Karstens, Johann H, Adamietz; Irenaeus A; Kazic, Nadja; Rudat, Volker; Schild, Steven E. :(2011) SURGERY FOLLOWED BY RADIOTHERAPY VERSUS RADIOTHERAPY ALONE FOR METASTATIC SPINAL CORD COMPRESSION FROM UNFAVORABLE TUMORS; INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS; 81(5): E861-E868.

Rades, Dirk; Schroeder, Ursula; Bajrovic, Amira; Schild, Steven E. : (2011) Radiochemotherapy versus surgery plus radio(chemo)therapy for stage T3/T4 larynx and hypopharynx cancer - Results of a matched-pair analysis; EUROPEAN JOURNAL OF CANCER; 47(18): 2729-2734.

Rades, Dirk; Meyners, Thekla; Kazic, Nadja; Bajrovic, Amira; Rudat, Volker; Schild, Steven E. :(2011) Comparison of radiochemotherapy alone to surgery plus radio(chemo)therapy for non-metastatic stage III/IV squamous cell carcinoma of the head and neck A Matched-Pair Analysis; STRAHLENTHERAPIE UND ONKOLOGIE; 187(9): 541-547