

Abteilung "Strahlentherapie und Radioonkologie"

Journalbeiträge

1. Badawi AM, Weiss E, Sleeman WC, Yan C, Hugo GD (2010) Optimizing principal component models for representing interfraction variation in lung cancer radiotherapy. *MED PHYS*, 37(9): 5080-91.
2. Bogdanova N, Sokolenko AP, Iyevleva AG, Abysheva SN, Blaut M, Bremer M, Christiansen H, Rave-Fränk M, Dörk T, Imyanitov EN (2010) PALB2 mutations in German and Russian patients with bilateral breast cancer. *Breast Cancer Res Tr (Internet-Ausgabe)*, 126: 545-50.
3. Christiansen H, Moriconi F, Rave-Fränk M, Cameron S, Batusic D, Wagner D, Malik I, Hess CF, Ramadori G (2010) Wirkung ionisierender Strahlung auf die Leber: Klinischer Hintergrund und experimentelle Daten. *Deutsche Zeitschrift für klinische Forschung : DZKF*, 3/4-2010: 66-75.
4. Christiansen H, Rödel RMW, Matthias C, Hess CF, Wolff HA (2010) In regards to Barkati et al. (*Int J Radiat Oncol Biol Phys* 2010;76:410-416). *Int J Radiat Oncol (Internet-Ausgabe)*, 78(2): 639-40.
5. Christiansen H, Wolff HA, Rödel RMW, Matthias C, Hess CF (2010) In regards to: Dr. N. Lance Downing et al. (*Int J Radiat Oncol Biol Physics* 2009;75:1064-1070). *Int J Radiat Oncol*, 76(5): 1600-1.
6. Gaedcke J, Grade M, Jung K, Schirmer M, Jo P, Obermeyer C, Wolff HA, Herrmann MK, Beissbarth T, Becker H, Ried T, Ghadimi M (2010) KRAS and BRAF mutations in patients with rectal cancer treated with preoperative chemoradiotherapy. *Radiother Oncol (Internet-Ausgabe)*, 94: 76-81.
7. Gordon JJ, Sayah N, Weiss E, Siebers JV (2010) Coverage optimized planning: probabilistic treatment planning based on dose coverage histogram criteria. *MED PHYS*, 37(2): 550-63.
8. Herrmann MKA, Bloch E, Overbeck T, Koerber W, Wolff HA, Hille A, Vorwerk H, Hess CF, Muller M, Christiansen H, Pradier O (2010) Mediastinal radiotherapy after multidrug chemotherapy and prophylactic cranial irradiation in patients with SCLC--treatment results after long-term follow-up and literature overview. *CANCER RADIOTHER*, 15: 81-8.
9. Hille A, Grüger S, Christiansen H, Wolff HA, Volkmer B, Lehmann J, Dörr W, Rave-Fränk M (2010) Effect of tumour-cell-derived or recombinant keratinocyte growth factor (KGF) on proliferation and radioresponse of human epithelial tumour cells (HNSCC) and normal keratinocytes in vitro. *Radiat Environ Bioph (Internet-Ausgabe)*, 49(2): 261-70.
10. Koenig S, Yuan Q, Krause P, Christiansen H, Rave-Fränk M, Kafert-Kasting S, Kriegbaum H, Schneider A, Ott M, Meyburg J (2010) Regional transient portal ischemia and irradiation as preparative regimen for hepatocyte transplantation. *CELL TRANSPLANT*, 20: 303-11.
11. Krause P, Rave-Fränk M, Wolff HA, Becker H, Christiansen H, Koenig S (2010) Liver sinusoidal endothelial and biliary cell repopulation following irradiation and partial hepatectomy. *WORLD J GASTROENTERO*, 16(31): 3928-35.
12. Malik IA, Moriconi F, Sheikh N, Naz N, Khan S, Dudas J, Mansuroglu T, Hess CF, Rave-Fränk M, Christiansen H, Ramadori G (2010) Single-dose gamma-irradiation induces up-regulation of chemokine gene expression and recruitment of granulocytes into the portal area but not into other regions of rat hepatic tissue. *Am J Pathol (Internet-Ausgabe)*, 176(4): 1801.
13. Roedel RMW, Matthias C, Wolff HA, Schindler P, Aydin T, Christiansen H (2010) Transoral laser microsurgery for recurrence after primary radiotherapy of early glottic cancer. *Auris Nasus Larynx (Internet-Ausgabe)*, 37(4): 474-481.
14. Schirmer MA, Brockmüller J, Rave-Fränk M, Virsik P, Wilken B, Kühnle E, Campean R, Hoffmann AO, Müller K, Goetze RG, Neumann M, Janke JH, Nasser F, Wolff HA, Ghadimi BM, Schmidberger H, Hess CF, Christiansen H, Hille A (2010) A putatively functional haplotype in the gene encoding transforming growth factor beta-1 as a potential biomarker for radiosensitivity. *Int J Radiat Oncol (Internet-Ausgabe)*, 79: 866-74.
15. Spitzner M, Emons G, Kramer F, Gaedcke J, Rave-Fränk M, Scharf JG, Burfeind P, Becker H, Beissbarth T, Ghadimi BM, Ried T, Grade M (2010) A gene expression signature for chemoradiosensitivity of colorectal cancer cells. *Int J Radiat Oncol (Internet-Ausgabe)*, 78(4): 1184-92.
16. Sprenger T, Rodel F, Beissbarth T, Conradi LC, Rothe H, Homayounfar K, Wolff HA, Ghadimi BM, Yildirim M, Becker H, Rodel C, Liersch T (2010) Failure of downregulation of survivin following neoadjuvant radiochemotherapy in rectal cancer is associated with distant metastases and shortened survival. *CLIN CANCER RES*, -: -.
17. Sprenger T, Rothe H, Jung K, Christiansen H, Conradi LC, Ghadimi BM, Becker H, Liersch T (2010) Stage II/III rectal cancer with intermediate response to preoperative radiochemotherapy: do we have indications for individual risk stratification? *World J Surg Oncol*, 8: 27.
18. Weiss E, Wu J, Sleeman W, Bryant J, Mitra P, Myers M, Ivanova T, Mukhopadhyay N, Ramakrishnan V, Murphy M, Williamson J (2010) Clinical evaluation of soft tissue organ boundary visualization on cone-beam computed tomographic imaging. *Int J Radiat Oncol (Internet-Ausgabe)*, 78(3): 929-36.

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19. Wolff H, Rödel R, Gunawan B, Overbeck T, Herrmann M, Hennies S, Hille A, Vorwerk H, Matthias C, Hess C, Christiansen H (2010) Nasopharyngeal carcinoma in adults: treatment results after long-term follow-up with special reference to adjuvant interferon-beta in undifferentiated carcinomas. *J Cancer Res Clin (Internet-Ausgabe)*, 136: 89-96.
20. Wolff HA, Rolke D, Rave-Fränk M, Schirmer M, Eicheler W, Doerfler A, Hille A, Hess CF, Matthias C, Rödel RMW, Christiansen H (2010) Analysis of chemokine and chemokine receptor expression in squamous cell carcinoma of the head and neck (SCCHN) cell lines. *Radiat Environ Bioph (Internet-Ausgabe)*, 50(1): 145-54.
21. Wolff HA, Wagner DM, Christiansen H, Hess CF, Vorwerk H (2010) Single fraction radiosurgery using Rapid Arc for treatment of intracranial targets. *RADIAT ONCOL*, 5: 77.
22. Wolff HA, Bosch J, Jung K, Overbeck T, Hennies S, Matthias C, Hess CF, Roedel RM, Christiansen H (2010) High-grade acute organ toxicity as positive prognostic factor in primary radio(chemo)therapy for locally advanced, inoperable head and neck cancer. *Strahlenther Onkol (Internet-Ausgabe)*, 186(5): 262-8.
23. Wolff HA, Gaedcke J, Jung K, Hermann RM, Rothe H, Schirmer M, Liersch T, Herrmann MKA, Hennies S, Rave-Fränk M, Hess CF, Christiansen H (2010) High-grade acute organ toxicity during preoperative radiochemotherapy as positive predictor for complete histopathologic tumor regression in multimodal treatment of locally advanced rectal cancer. *Strahlenther Onkol (Internet-Ausgabe)*, 186(1): 30-5.
24. Wolff HA, Raus I, Jung K, Schüler P, Herrmann MK, Hennies S, Vorwerk H, Hille A, Hess CF, Christiansen H (2010) High-grade Acute Organ Toxicity as a Positive Prognostic Factor in Primary Radiochemotherapy for Anal Carcinoma. *Int J Radiat Oncol (Internet-Ausgabe)*, 79: 1467-78.
25. Wu J, Murphy MJ, Weiss E, Sleeman WC, Williamson J (2010) Development of a population-based model of surface segmentation uncertainties for uncertainty-weighted deformable image registrations. *MED PHYS*, 37(2): 607-14.
26. Yan C, Zhong H, Murphy M, Weiss E, Siebers JV (2010) A pseudoinverse deformation vector field generator and its applications. *MED PHYS*, 37(3): 1117-28.

Habilitationen

1. Vorwerk H, Zielvolumenkonzept bei der Präzisionsbestrahlung: Diagnostische, radioonkologische und bestrahlungstechnische Aspekte. Habilitation Universität Göttingen 2010.

Medizinische Dissertationen

1. Ewen A, Dr. med., Onkologische Ergebnisse sowie objektive und subjektive Erfassung der Kehlkopffunktion nach organerhaltender lasermikrochirurgischer Resektion und adjuvanter Radio(chemo)therapie bei lokal fortgeschrittenen Larynxkarzinomen - Eine Analyse der Therapieergeb. Dissertation Universität Göttingen 2010.
2. Friedrich C, Dr. med., Untersuchungen zur Kombinationswirkung von Valproat und Bestrahlung in Bezug auf klonogenes Überleben, Apoptose, Polyploidie und chromosomale Instabilität in Prostatakarzinom- und Prostatahyperplasie-Zelllinien. Dissertation Universität Göttingen 2010.
3. Lutze T, Dr. med., Experimentelle Untersuchungen zur kombinierten Wirkung von Interferon-beta (IFN- β -) und Röntgenstrahlung auf Zellen mit funktionaler oder defekter homologer Rekombinationsreparatur (HRR). Dissertation Universität Göttingen 2010.
4. Tippelt S, Dr. med., Wechselwirkungen von TNF-ad ionisierender Strahlung in primären Hepatozyten in vitro. Dissertation Universität Göttingen 2010.