

Journalbeiträge

1. Balcarek P, Jung K, Frosch KH, Stürmer KM (2011) Value of the tibial tuberosity-trochlear groove distance in patellar instability in the young athlete. *AM J SPORT MED*, 39: 1756-61.
2. Bender C, Heyde Sv, Henjes F, Wiemann S, Korf U, Beissbarth T (2011) Inferring signalling networks from longitudinal data using sampling based approaches in the R-package 'ddepn'. *BMC BIOINFORMATICS*, 12: 291.
3. Blanchard G, Dickhaus T, Hack N, Konietzschke F, Rohmeyer K, Rosenblatt J, Scheer M, Werft W (2011)  $\mu$ TOSS-Multiple hypothesis testing in an open software system. *J MACH LEARN RES*, 11: 12-19.
4. Bramlage C, Cuneo A, Härtel D, Jung K, Witteck CH, Högel R, Müller GA, Bramlage P, Tebbe U (2011) Nierenarterienstenose: Intervention oder medikamentöse Behandlung? Renal artery stenosis: angioplasty or drug treatment? *DEUT MED WOCHENSCHR*, 136: 76-81.
5. Bramlage CP, Müller GA, Tampe B, Bevanda J, Maatouk I, Koziolok M, Lange K, Ahrens K, Schmid H, Cohen CD, Bramlage P, Kretzler M, Strutz F (2011) The role of bone morphogenetic protein-5 (BMP-5) in human nephrosclerosis. *J NEPHROL*, 24: 647-55.
6. Brase JC, Johannes M, Mannsperger H, Fälth M, Metzger J, Kacprzyk LA, Andrasiuk T, Gade S, Meister M, Sirma H, Sauter G, Simon R, Schlomm T, Beissbarth T, Korf U, Kuner R, Sülthmann H (2011) TMPRSS2-ERG -specific transcriptional modulation is associated with prostate cancer biomarkers and TGF- signaling. *BMC CANCER*, 11: 507.
7. Clarke A, Friede T, Putz R, Ashdown J, Martin S, Blake A, Adi Y, Parkinson J, Flynn P, Platt S, Stewart-Brown S (2011) Warwick-Edinburgh Mental Well-being Scale (WEMWBS): validated for teenage school students in England and Scotland. A mixed methods assessment. *BMC PUBLIC HEALTH*, 11: 487.
8. Conradi LC, Bleckmann A, Schirmer M, Sprenger T, Jo P, Homayounfar K, Wolff HA, Rothe H, Middel P, Becker H, Ghadimi MB, Beissbarth T, Liersch T (2011) Thymidylate synthase as a prognostic biomarker for locally advanced rectal cancer after multimodal treatment. *ANN SURG ONCOL*, 18: 2442-52.
9. Danner BC, Gerdes JS, Jung K, Sander B, Enders C, Liersch T, Seipelt R, Gutenberg A, Gunawan B, Schöndube FA, Füzesi L (2011) Comparison of chromosomal aberrations in primary colorectal carcinomas to their pulmonary metastases. *Cancer Genet*, 204: 122-8.
10. Danner BC, Hellms T, Jung K, Gunawan B, Didilis V, Füzesi L, Schöndube FA (2011) Prognostic value of chromosomal imbalances in squamous cell carcinoma and adenocarcinoma of the lung. *ANN THORAC SURG*, 92: 1038-43.
11. Engelke W, Jung K, Knösel M (2011) Intra-oral compartment pressures: a biofunctional model and experimental measurements under different conditions of posture. *CLIN ORAL INVEST*, 15: 165-76.
12. Friede T, Parsons N, Stallard N, Todd S, Valdes Marquez E, Chataway J, Nicholas R (2011) Designing a seamless phase II/III clinical trial using early outcomes for treatment selection: An application in multiple sclerosis. *STAT MED*, -: -.
13. Friede T, Kieser M (2011) Sample Size Reassessment in Non-inferiority Trials, International Pilot Study Designs with ANCOVA. *METHOD INFORM MED*, 50: 237-243.
14. Friede T, Kieser M (2011) Blinded sample size recalculation for clinical trials with normal data and baseline adjusted analysis. *PHARM STAT*, 10: 8-13.
15. Gade S, Porzelius C, Faelt M, Brase JC, Wuttig D, Kuner R, Binder H, Suelthmann H, Beissbarth T (2011) Graph based fusion of miRNA and mRNA expression data improves clinical outcome prediction in prostate cancer. *BMC BIOINFORMATICS*, 12: 488.
16. Grade M, Hummon AB, Camps J, Emons G, Spitzner M, Gaedcke J, Hoermann P, Ebner R, Becker H, Difilippantonio MJ, Ghadimi BM, Beissbarth T, Caplen NJ, Ried T (2011) A genomic strategy for the functional validation of colorectal cancer genes identifies potential therapeutic targets. *INT J CANCER*, 128: 1069-79.
17. Hahn W, Wasser-Merkel W, Lange K, Gruber RM, Kubein-Meesenburg D, Ihlow D (2011) Accuracy of fit of 3-to-3 retainers after adhesive fixation using a neodymium-iron-boron magnet chain. *J OROFAC ORTHOP*, 72: 381-8.
18. Hahn W, Engelke B, Jung K, Dathe H, Kramer FJ, Rödig T, Kubein-Meesenburg D, Gruber RM (2011) The influence of occlusal forces on force delivery properties of aligners during rotation of an upper central incisor. *ANGLE ORTHOD*, 81: 1057-63.
19. Heuer JF, Crozier TA, Braun U, Neumann P, Hilgers R, Quintel M, Timmermann A (2011) The use of the Foley Airway Stylet Tool® to guide tracheal intubations through an intubating laryngeal mask airway. *MINERVA ANESTESIOLOGIA*, 77: 1037-42.
20. Heuer JF, Sauter P, Barwing J, Herrmann P, Crozier TA, Bleckmann A, Beißbarth T, Moerer O, Quintel M (2011) Effects of High-frequency Oscillatory Ventilation on Systemic and Cerebral Hemodynamics and Tissue Oxygenation: An Experimental Study in Pigs. *NEUROCRIT CARE*, 1: epub.

**Abteilung "Medizinische Statistik"**

21. Hua TD, Vormfelde SV, Abed MA, Schneider-Rudt H, Sobotta P, Friede T, Chenot JF (2011) Practice nursed-based, individual and video-assisted patient education in oral anticoagulation--protocol of a cluster-randomized controlled trial. *BMC FAM PRACT*, 12: 17.
22. Johannes M, Fröhlich H, Sültmann H, Beißbarth T (2011) pathClass: An R-Package for Integretion of Pathway Knowledge into Support Vector Machines for Biomarker Discovery. *BIOINFORMATICS*, 27: 1442-1443.
23. Jung K, Becker B, Brunner E, Beissbarth T (2011) Comparison of global tests for functional gene sets in two-group designs and selection of potentially effect-causing genes. *BIOINFORMATICS*, 27: 1377-83.
24. Jung K, Engelke W, Knösel M (2011) Statistical signal processing methods for intraoral pressure curve analysis in orthodontics. *EUR J ORTHODONT*, 2011: First published online: April 20, 2011.
25. Jung K, Friede T, Beissbarth T (2011) Reporting FDR analogous confidence intervals for the log fold change of differentially expressed genes. *BMC BIOINFORMATICS*, 12: 288.
26. Jung K, GoerdT C, Lange P, Blocher J, Djukic M, Gerber J, Spreer A, Nau R, Otto M, Schmidt H (2011) The use of S100B and Tau protein concentrations in the cerebrospinal fluid for the differential diagnosis of bacterial meningitis: a retrospective analysis. *EUR NEUROL*, 66: 128-32.
27. Kendziorra E, Ahlborn K, Spitzner M, Rave-Fränk M, Emons G, Gaedcke J, Kramer F, Wolff HA, Becker H, Beissbarth T, Ebner R, Ghadimi BM, Pukrop T, Ried T, Grade M (2011) Silencing of the Wnt transcription factor TCF4 sensitizes colorectal cancer cells to (chemo-) radiotherapy. *CARCINOGENESIS*, 32: 1824-31.
28. Klemm F, Bleckmann A, Siam L, Chuang HN, Rietkötter E, Behme D, Schulz M, Schaffrinski M, Schindler S, Trümper L, Kramer F, Beissbarth T, Stadelmann C, Binder C, Pukrop T (2011)  $\beta$ -catenin-independent WNT signaling in basal-like breast cancer and brain metastasis. *CARCINOGENESIS*, 32: 434-42.
29. Knösel M, Jung K (2011) Informational value and bias of videos related to orthodontics screened on a video-sharing Web site. *ANGLE ORTHOD*, 81: 532-9.
30. Knösel M, Jung K (2011) On the relevance of "ideal" occlusion concepts for incisor inclination target definition. *AM J ORTHOD DENTOFAC*, 140: 652-9.
31. Knösel M, Jung K, Bleckmann A (2011) YouTube, dentistry, and dental education. *J DENT EDUC*, 75: 1558-68.
32. Konietschke F, Harrar SW, Lange K, Brunner E (2011) Rank procedures for matched pairs with missing values - Asymptotic theory and a small sample approximation. *COMPUT STAT DATA AN*, 10: 2011.023.022.
33. Kretschmer L, Starz H, Thoms KM, Satzger I, Völker B, Jung K, Mitteldorf C, Bader C, Siedlecki K, Kapp A, Bertsch HP, Gutzmer R (2011) Age as a key factor influencing metastasizing patterns and disease-specific survival after sentinel lymph node biopsy for cutaneous melanoma. *INT J CANCER*, 129: 1435-42.
34. Leha A, Beißbarth T, Jung K (2011) Sequential Interim Analyses of Survival Data in DNA Microarray Experiments. *BMC BIOINFORMATICS*, 12: 127.
35. Nicholas R, Giannetti P, Alsanousi A, Friede T, Muraro PA (2011) Development of oral immunomodulatory agents in the management of multiple sclerosis. *DRUG DES DEV THER*, 2011: 255-274.
36. Nicholas R, Straube S, Schmidli H, Schneider S, Friede T (2011) Trends in annualized relapse rates in relapsing-remitting multiple sclerosis and consequences for clinical trial design. *MULT SCLER J*, 17: 1211-7.
37. Patel S, Brown S, Friede T, Griffiths F, Lord J, Ngunjiri A, Thistlethwaite J, Tysall C, Woolvine M, Underwood M (2011) Study protocol: Improving patient choice in treating low back pain (IMPACT - LBP): A randomised controlled trial of a decision support package for use in physical therapy. *BMC MUSCULOSKEL DIS*, 12: 52.
38. Porzelius C, Johannes M, Binder H, Beissbarth T (2011) Leveraging external knowledge on molecular interactions in classification methods for risk prediction of patients. *BIOMETRICAL J*, 53: 190-201.
39. Prenzel T, Begus-Nahrman Y, Kramer F, Hennion M, Hsu C, Gorsler T, Hintermair C, Eick D, Kremmer E, Simons M, Beissbarth T, Johnsen SA (2011) Estrogen-dependent gene transcription in human breast cancer cells relies upon proteasome-dependent monoubiquitination of histone H2B. *CANCER RES*, 71: 5739-53.
40. Psychogios MK, Wachter D, Mohr A, Schramm P, Fröhlich AM, Jung K, Rohde V, Knauth M (2011) Feasibility of flat panel angiographic computed tomography after intravenous contrast agent application in the postoperative evaluation of patients with clipped aneurysms. *AM J NEURORADIOL*, 32: 1956-1962.
41. Raupach T, Münscher C, Beißbarth T, Burckhardt G, Pukrop T (2011) Towards outcome-based programme evaluation: using student comparative self-assessments to determine teaching effectiveness. *MED TEACH*, 33: e446-53.
42. Rossenbach J, Mueller GA, Lange K, Armstrong VW, Schmitto JD, Hintze E, Helfmann J, Konstantinides S, Koziolok MJ (2011) Lipid-apheresis improves microcirculation of the upper limbs. *J CLIN APHERESIS*, 26: 167-73.

**Abteilung "Medizinische Statistik"**

43. Schillinger W, Athanasiou T, Weicken N, Berg L, Tichelbäcker T, Puls M, Hünlich M, Wachter R, Helms HJ, Seipelt R, Schöndube FA, Hasenfuss G (2011) Impact of the learning curve on outcomes after percutaneous mitral valve repair with MitraClip and lessons learned after the first 75 consecutive patients. EUR J HEART FAIL, 13: 1331-9.
44. Sprenger T, Rodel F, Beissbarth T, Conradi LC, Rothe H, Homayounfar K, Wolff HA, Ghadimi BM, Yildirim M, Becker H, Rodel C, Liersch T (2011) Failure of downregulation of survivin following neoadjuvant radiochemotherapy in rectal cancer is associated with distant metastases and shortened survival. CLIN CANCER RES, 17: 1623-31.
45. Thapar A, Lane T, Nicholas R, Friede T, Ellis M, Assenheim J, Franklin IJ, Davies AH (2011) Systematic review of sonographic chronic cerebrospinal venous insufficiency findings in multiple sclerosis. PHLEBOLOGY, 26: 319-25.
46. Varges D, Jung K, Gawinecka J, Heinemann U, Schmitz M, von Ahsen N, Krasnianski A, Armstrong VW, Zerr I (2011) Amyloid- $\beta$  1-42 levels are modified by apolipoprotein E  $\epsilon$  4 in Creutzfeldt-Jakob disease in a similar manner as in Alzheimer's disease. J ALZHEIMERS DIS, 23: 717-26.
47. Wolff HA, Conradi LC, Schirmer M, Beissbarth T, Sprenger T, Rave-Fränk M, Hennies S, Hess CF, Becker H, Christiansen H, Liersch T (2011) Gender-Specific Acute Organ Toxicity during Intensified Preoperative Radiochemotherapy for Rectal Cancer. ONCOLOGIST, 16: 621-31.
48. Wolff HA, Daldrup B, Jung K, Overbeck T, Hennies S, Matthias C, Hess CF, Roedel RMW, Christiansen H (2011) High-grade acute organ toxicity as positive prognostic factor in adjuvant radiation and chemotherapy for locally advanced head and neck cancer. RADIOLOGY, 258: 864-71.
49. Wolff HA, Hennies S, Herrmann MKA, Rave-Fränk M, Eickelmann D, Virsik P, Jung K, Schirmer M, Ghadimi M, Hess CF, Hermann RM, Christiansen H (2011) Comparison of the micronucleus and chromosome aberration techniques for the documentation of cytogenetic damage in radiochemotherapy-treated patients with rectal cancer. STRAHLENTHER ONKOL, 187: 52-8.
50. Wolff HA, Raus I, Jung K, Schüler P, Herrmann MK, Hennies S, Vorwerk H, Hille A, Hess CF, Christiansen H (2011) High-grade acute organ toxicity as a positive prognostic factor in primary radiochemotherapy for anal carcinoma. INT J RADIAT ONCOL, 79: 1467-78.
51. Xyda A, Haberland U, Klotz E, Bock HC, Jung K, Knauth M, Schramm R, Psychogios MN, Erb G, Schramm P (2011) Brain volume perfusion CT performed with 128-detector row CT system in patients with cerebral gliomas: a feasibility study. EUR RADIOL, 21: 1811-9.
52. Ziebolz D, Pabel SO, Lange K, Krohn-Grimberghe B, Hornecker E, Mausberg RF (2011) Clinical Periodontal and Microbiologic Parameters in Patients with Rheumatoid Arthritis. J PERIODONTOL, 2011: ?.

**Naturwiss. u.a. nichtmed. Diss.**

1. Bender C, Dr. rer. nat., Systematic analysis of time resolved high-throughput data using stochastic network inference methods. Dissertation Universität Göttingen 2011.
2. Johannes M, Dr. rer. nat., Integration of Prior Biological Knowledge Into Support Vector Machines. Dissertation Universität Göttingen 2011.
3. Lange K, Dr. rer. nat., Nichtparametrische Analyse diagnostischer Gütemaße bei Clusterdaten. Dissertation Universität Göttingen 2011.

**Diplomarbeiten**

1. Artmann S, MSc, Evaluating miRNA and target-mRNA Expression Profiles. Diplomarbeit Universität Göttingen 2011.
2. Bösiger S, MSc, Exakte Powervergleiche von Multiplen Kontrasttests mit Exakte Powervergleiche von Multiplen Kontrasttests mit der ANOVA. Diplomarbeit Universität Göttingen 2011.
3. Ellenberger D, Dipl.-Math., Verbesserung des Chen-Qin-Test im Ein-Gruppen-Design. Diplomarbeit Universität Göttingen 2011.
4. Helms HJ, Dipl.-Math., Robuste Verfahren für strukturierte hochdimensionale Repeated-Measures-Designs unter Nicht-Normalverteilung. Diplomarbeit Universität Göttingen 2011.
5. Miller S, Dipl.-Math., Exakte Multiple Kontrasttests in Repeated Measures Designs. Diplomarbeit Universität Göttingen 2011.
6. Schneider S, Dipl.-Math., Einfluss von Score-Funktionen auf nichtparametrische relative Effekte im Mehrstichprobenfall. Diplomarbeit Universität Göttingen 2011.