

Publikationsverzeichnis

Priv. Doz. Dr. med. Reinhard Friedl

1 Wissenschaftliche Originalpublikationen

Adiponectin - its potential to predict and prevent coronary artery disease. Skrabal CA, Czaja J, Honz K, Emini R, Hannekum A, **Friedl R**. *Thorac Cardiovasc Surg* 59, 201- 206, 2011.

Stracke S, Konner K, Köstlin I, Schneider M, Herzog R, Jehle PM, Keller F, **Friedl R**. Over-expression of IGF system component peptides in stenoses of native arteriovenous fistulas in hemodialysis patients. *Growth Horm IGF Res*, 17(4), 297-306, 2007.

Friedl R, Hoppler H, Ecard K, Scholz W, Hannekum A, Ochsner W, Stracke S. Comparative Evaluation of Multimedia Driven, Interactive and Case-Based Teaching in Heart Surgery. *Ann Thorac Surg* 82(5), 1790-5, 2006.

Friedl R, Hoppler H, Ecard K, Scholz W, Hannekum A, Ochsner W, Stracke S. Multimedia-driven teaching significantly improves students' performance when compared with a print medium. *Ann Thorac Surg* 81(5):1760-6, 2006.

Friedl R, Hoppler H, Ecard K, Scholz W, Hannekum A, Stracke S. Development and prospective evaluation of a multimedia teaching course on aortic valve replacement. *Thorac Cardiovasc Surg* 54(1), 1-9, 2006.

Friedl R, Li J, Schumacher B, Hanke H, Waltenberger J, Hannekum A, Stracke S. Intimal hyperplasia and expression of transforming growth factor-beta1 in saphenous veins and internal mammary arteries before coronary artery surgery. *Ann Thorac Surg* 78(4), 1312-8, 2004.

Friedl R, Preisack MB, Klas W, Rose T, Stracke S, Quast KJ, Hannekum A, Godje O. Virtual reality and 3D visualizations in heart surgery education. *Heart Surg Forum* 5(3), 17-21, 2002.

Friedl R, Klas W, Westermann U, Rose T, Tremper J, Stracke S, Godje O, Hannekum A, Preisack MB. The CardioOP-Data Clas (CDC). Development and application of a thesaurus for content management and multi-user teleteaching in cardiac surgery. *Methods Inf Med* 42(1), 68-78, 2003.

Friedl R, Preisack M, Schefer M, Klas W, Tremper J, Rose T, Bay J, Albers J, Engels P, Guilliard P, Vahl CF, Hannekum A. CardioOp: an integrated approach to teleteaching in cardiac surgery. *Stud Health Technol Inform*. 2000;70:76-82.

R. Friedl, W. Klas, T. Rose, O. Gödje, M. Preisack, J. Tremper, C.F. Vahl, K.J. Quast, A. Hannekum Individualized Learning and Teaching in Heart Surgery: The Cardio-OP Project. *Zeitschrift für Hochschuldidaktik (ZSfHD)* 24 Jahrgang, Heft 1, 58-67, 2000.

W. Klass, Ch. Greiner, **R. Friedl**. Cardio-OP: Gallery of Cardiac Surgery. *Proc IEEE ICMCS 2*, 1092-95, 1999.

Friedl R, F. Eitel, A. Tesche, T. Payer Hypermedia in Surgical Education: An Interactive, Case-based, Bilingual and Self-Evaluating Computer Program on Head Injury- A Prototype. *Proc Comp Ass Rad and Surg* 547-52, 1997

Friedl R, Wieshammer S, Kehrer J, Ammon C, Hubner D, Lehmann J, Heimpel H. A case-based and multi-media computer learning program on the topic of myocardial infarct, angina pectoris and mitral valve stenosis. *Med Klin* 91(9), 4-9, 1996.

R. Friedl, F. Eitel Multimedia in der Ärzteausbildung? Probleme bei der Medienevaluation. *Meducs* 9, 25 – 27, 1996.

Hagenah J, Scharfschwerdt M, Stender B, Ott S, **Friedl R**, Sievers HH, Schlaefer A. A setup for ultrasound based assessment of the aortic root geometry. *Biomed Tech*, 58 (Suppl 1), 2013.

Gnahm C, Hartung C, **Friedl R**, Hoffmann M, Dietmayer K. Towards navigation on the heart surface during coronary artery bypass grafting. *Int J Comput Assist Radiol Surg* 4(2),105-12, 2009.

Schäfler AE, Friedl R, Hekmat K, Hannekum A, Kirmanoglou K. Chronic atrial fibrillation: decreased actin expression in patients with chronic atrial fibrillation. *J Cardiovasc Surg (Torino)* 49(1), 83-6, 2008.

Gnahm C, Hartung C, **Friedl R**, Hoffmann M, Dietmayer K: Computer-Assisted Open Heart CABG: Image-Guided Navigation for All Target Vessels. Functional Imaging and Modeling of the Heart (FIMH), *Lecture Notes in Computer Science*, Springer, 476-485, 2009.

Gnahm C, Hartung C, **Friedl R**, Hoffmann M, Dietmayer K. Towards Navigation on the Heart Surface during Coronary Artery Bypass Grafting *International Journal of Computer Assisted Radiology and Surgery*, 4(2):105-112, 2009.

Hartung C, Gnahm C, **Friedl R**, Hoffmann M, Dietmayer K. Computer-Assisted Navigation on the Arrested Heart during CABG Surgery. *Bildverarbeitung für die Medizin (BVM)*, Springer, 262-266, 2009.

Hartung C, Gnahm C, **Friedl R**, Hoffmann M, Dietmayer K. Intraoperative Navigation bei Bypassoperationen am offenen Herzen. *Automatisierungstechnische Verfahren für die Medizin*, VDI Berichte, 17, Nr. 274, 59-60. 2009.

C Hartung C, Gnahm C, **Friedl R**, Hoffmann M, Dietmayer K. Towards Projector-based Visualization for Computer-assisted CABG at the Open Heart. *Bildverarbeitung für die Medizin (BVM)*, Informatik Aktuell, Springer, 376-380, 2009.

Hartung C, Gnahm C, **Friedl R**, Hoffmann M, Dietmayer K.. Computer-assisted LAD bypass grafting at the open heart. *Proceedings of SPIE Medical Imaging*, 2009.

Gnahm, C., Hartung, C., **Friedl, R.**, Hoffmann, M. & Dietmayer, K. Towards navigation on the heart surface during coronary artery bypass grafting. Vol.3 (Suppl 1), *Proceedings of Computer Assisted Radiology and Surgery*, Barcelona, Spain, pp.86-S87, Springer-Verlag, 2008.

Gnahm, C., Hartung, C., **Friedl, R.**, Hoffmann, M. & Dietmayer, K. A registration approach for cardiac MSCT and optical tracking data recorded at the ischaemic heart . *Proceedings of Medical Image Understanding and Analysis*, Dundee, Scotland, pp.251-255, BMVA, 2008.

Gnahm, C., Hartung, C., **Friedl, R.**, Hoffmann, M. & Dietmayer, K. Towards navigation on the heart surface during coronary artery bypass grafting. *Int J CARS* 2008, Vol 3, 505-10, 2008.

Gnahm, C., Hartung, C., **Friedl, R.**, Hoffmann, M. & Dietmayer, K. Computer Assisted Navigation on the LAD During Open Heart CABG 7. Jahrestagung der Deutschen Gesellschaft für Computer- und Roboterassistierte Chirurgie (CURAC 2008), Leipzig, pp.247-250, 2008.

Hartung, C., Gnahm, C., **Friedl, R.**, Hoffmann, M. & Dietmayer, K. Image guidance for coronary artery bypass grafting Vol.3 (Suppl 1), *Proceedings of Computer Assisted Radiology and Surgery*, Barcelona, Spain, pp.S91-S93, Springer-Verlag, 2008.

Hartung, C., Gnahm, C., **Friedl, R.**, Hoffmann, M. & Dietmayer, K. Image guidance for coronary artery bypass grafting *Int CARS*, Springer-Verlag, 2008.

Marx N, Walcher D, Ivanova N, Rautzenberg K, Jung A, **Friedl R**, Hombach V, de Caterina R, Basta G, Wautier MP, Wautiers JL. Thiazolidinediones reduce endothelial expression of receptors for advanced glycation end products. *Diabetes* 53(10), 2662-8, 2004.

Melamed RJ, **Friedl R**, Engl T, Lanwert S, Preisack MB, Jonas D, Bickeboller R. LaMedica. The medical education academy on the internet. *Urologe A* 41(1), 18-25, 2002.

Godje O, Hoke K, Goetz AE, Felbinger TW, Reuter DA, Reichart B, **Friedl R**, Hannekum A, Pfeiffer UJ. Reliability of a new algorithm for continuous cardiac output determination by pulse-contour analysis during hemodynamic instability. *Crit Care Med* 30(1), 52-8, 2002.

Stracke S, Konner K, Kostlin I, **Friedl R**, Jehle PM, Hombach V, Keller F, Waltenberger J. Increased expression of TGF-beta1 and IGF-I in inflammatory stenotic lesions of hemodialysis fistulas. *Kidney Int* 61(3), 1011-9, 2002.

Godje O, **Friedl R**, Hannekum A. Accuracy of beat-to-beat cardiac output monitoring by pulse contour analysis in hemodynamical unstable patients. *Med Sci Monit* 7(6), 1344-50, 2001.

Godje O, K. Höke, **Friedl R**, Hannekum A. Echtzeit-Herzzzeitvolumen-Mesung in der herzchirurgischen Intensivmedizin mittels Pulskontur-Analyse. *Z Herz-Thorax- Gefäßchir* 15, 81-87, 2001.

Eren A, **Friedl R**, Hannekum A, Gulbins H. Cardiac surgery in a patient with haemophilia A. *Thorac Cardiovasc Surg* 54(3), 2-4, 2006.

Ochsenfahrt C, **Friedl R**, Hannekum A, Schumacher BA. Endocarditis after nipple piercing in a patient with a bicuspid aortic valve. *Ann Thorac Surg*. 71(4), 1365-6, 2001.

2 Buchbeiträge

Friedl R. Das Herz tanzt mit Verstand. In *Ästhetik – Zur Meßbarkeit einer Sensation*. (Hrsg. Universität für angewandte Kunst Wien, Università Ca' Foscari di Venezia und Bauhaus-Universität Weimar). 173-194, 2017.

Höppler H, Kadlec N, Stracke S, Aymanns C, Lindemann B, Keller F, Ecard K, Gödje O, Hannekum A, **Friedl R**. "BMBF-Projekt LaMedica. Digitale Lehrmedien und Mediendidaktik in der Wissensvermittlung.", *Rechnergestützte Lehr- und Lernsysteme in der Medizin* (Hrsg. J. Bernauer et al.). Aachen: Shaker 137 –146, 2002.

T. Payer, F. Eitel, **R. Friedl**: Computerunterstütztes Hypermedia-Selbstlernprogramm: Schädel-Hirn-Trauma/Head-Injury. In: *Computer Based Training in der Medizin: Technik-Evaluation-Implementation*. Aachen: Shaker 117 – 121, (1998).

3 Elektronische Medien

Friedl R, H. Höppler, K. Ecard, A. Hannekum: Aortenklappenersatz mit einer gerüstmontierten Bioprothese. DVD Video. IWF Wissen und Medien GmbH Göttingen. 2005.

Friedl R: Interaktive, multimediale Fallsimulationen zu Angina pectoris, Herzinfarkt und Mitralstenose. In: *Das Herz*. CD-ROM. Heidelberg: Springer-Verlag 1995.

Friedl R, Tesche, A.; Payer, T., Eitel, F: Ein interaktives, fallbasiertes, zweisprachiges und selbst-evaluierendes Computer Programm zum Thema Schädel Hirn-Trauma: ein Prototyp. In: *Multimedia Medizin Ausbildung*. CD-ROM. Hrsg. IBE LMU-München 1996.