

MONDAY, OCTOBER 1, 2012

Oral Session 2 (Chair: Su-Lin Lee)

4:30 PM – 4:45 PM Model-based Postoperative Modeling of Stent-Based Devices from CT: Application to TAVI

I. Voigt, E. Assoumou Mengue, R. Ionasec, T. Mansi, B. Georgescu, J. Hornegger and D. Comaniciu

4:45 PM – 5:00 PM Landmark-based registration of OCT image sequences for the follow-up of stent coverage and apposition

L. Sarry, R. Dumas, F. Dubuisson, E. Péry, N. Combaret and P. Motreff

PANEL DISCUSSION “The Future of Computer Assisted Stenting”

5:00 PM – 5:25 PM Panel Members:

Dr. Reza Ghotbi , Klinikum M. Pasing, Germany
Dr. Yunqiang Chen, Siemens Corporate Research, US
Dr. Frode Manstad-Hulaas, St Olavs Hospital, Norway
Dr. Vincent Bismuth, GE Healthcare, France
Dr. Juan Rigla, Boston Scientific, Spain

Moderation: Stefanie Demirci

5:25 PM – 5:30 PM Final Remarks



MONDAY, OCTOBER 1, 2012

2:00 PM – 2:05 PM Welcome and Introductory Remarks

PLENARY CLINICAL

2:05 PM - 2:45 PM “The endovascular therapy; facts and fictions!”

*Dr. med. Reza Ghotbi, Head of Vascular Surgery
Department, Klinikum Muenchen Pasing, Germany*

Poster Session (Chair: Petia Radeva)

2:45 PM – 2:57 PM 1-minute Poster Teasers

2:57 PM – 3:30 PM Poster Discussions

P1 Semi-automatic Measurement of Vessel Wall Support from Implanted Stents in IVOCT Image Sequences

A. Wang, J. Eggermont, N. Dekker, J. H. C. Reiber and J. Dijkstra

P2 Virtual deployment of pipeline flow diverters

L. Flórez-Valencia, E. E. Dávila Serrano, J. G. Riveros Reyes, O. Bernard, J. Latt, O. Malaspinas, B. Chopard, G. Courbebaisse and M. Orkisz

P3 Fast Segmentation of Abdominal Aortic Aneurysms for Endovascular Repair Planning and Follow-up

I. Macia, M. Arenas, J. Haitz Legarreta, I. Robin, M. Graña and S. Rajasekharan

MONDAY, OCTOBER 1, 2012

- P4 Rapid Prototyping of Silicone-based Phantom Models for Stent Simulation Validation
C. Russ, M. Gessat, G. Szekely and V. Falk
- P5 Motion Adapted Catheter Navigation with Real-Time Instantiation and Improved Visualisation
S.-L. Lee, K.-W. Kwok, L. Wang, C. Riga, C. Bicknell and G.-Z. Yang
- P6 Role of 3D/3D and 2D/3D Registration in Computer Assisted Stenting Procedures
G. Chintalapani and P. Chinnadurai
- P7 Computational Methods of Modeling Stent Deployment in the Coronary Artery
N. Filipovic, D. Nikolic, Z. Milosevic, T. Exarchos, D. I Fotiadis and O. Parodi
- P8 2D+t/3D+t CTA-XA registration using population-based motion estimates
N. Baka, C. Metz, C. Schultz, L. Neeffjes, R. J. van Geuns, B. P.F. Lelieveldt, W. Niessen, M. de Bruijne and T. van Walsum
- P9 Multi-image based stent visibility enhancement
Y. Chen, Y. Zhu, T.-C. Chang and T. Fang
- P10 Intracranial stent visualization for image guided interventions and therapy
D. Ruijters, P. van de Haar, R. Roijers, N. J. Noordhoek, J. Timmer and D. Babic



MONDAY, OCTOBER 1, 2012

- P11 Reconstruction of Stent Induced Loading Forces on the Aortic Valve Complex
R. Hopf, M. Gessat, V. Falk and E. Mazza
- P12 Stent Strut Detection by Classifying a Wide Set of IVUS Features
R. Hua, O. Pujol, F. Ciompi, M. Alberti, S. Balocco, F. Mauri and P. Radeva
- 3:30 PM – 4:00 PM Coffee Break**
- Oral Session 1 (Chair: Gozde Unal)**
- 4:00 PM – 4:15 PM Influence of vascular morphology on hemodynamic changes after flow diverter placement in saccular intracranial aneurysms
I. Larrabide, A. J Geers, M. L. Aguilar, H. G. Morales, D. A. Rufenacht and A. Frangi
- 4:15 PM – 4:30 PM Towards Predicting the Effects of Stent-Grafting on the Motion of the Thoracic Aorta
E. Schwartz, J. Holfeld, M. Czerny, C. Loewe and G. Langs