

Interventional strategies in special clinical indications

- Clinical practice of primary angioplasty for the treatment of acute myocardial infarction in Germany: results from the MITRA and MIR registries** 64
R. Zahn, R. Schiele, S. Schneider, A. K. Gitt, J. Senges
- Debulking prior to stenting – a worthwhile effort?** 72
M. P. Heintzen, Ö. Aktug, C. J. Michel
- Transcatheter closure of intracardiac shunts** 77
H. Sievert, U. Krumdordf
- Myocardial perfusion after transcatheter/percutaneous myocardial laser revascularization** 84
M. Wiemer, P. Wielepp, T. Butz, D. Horstkotte, W. Burchert

Diagnostic and therapeutic applications of intravascular ultrasound

- Ten years after introduction of intravascular ultrasound in the catheterization laboratory: tool or toy?** 89
E. Regar, P. W. Serruys
- Influence of stent design and deployment technique on neointima formation and vascular remodeling** 98
A. König, T. M. Schiele, J. Rieber, K. Theisen, H. Mudra, V. Klauss
- Intravascular sonotherapy for treatment of in-stent restenosis** 103
H. Mudra, M. Hug, A. Knape, C. Spes

Beyond morphology – assessment of coronary physiology in the cath lab

- Rationale of combined intracoronary pressure and flow velocity measurements** 108
M. Meuwissen, M. Siebes, J. A. E. Spaan, J. J. Piek
- Fractional flow reserve to decide between percutaneous transluminal coronary angioplasty or coronary artery bypass grafting in patients with angiographically multivessel disease: a tailored approach** 113
C.-J. Botman, J. W. Bech, B. De Bruyne, H. Bonnier, J. Bartunek, J. Koolen, R. Michels, N. Pijls
- Safety of FFR-based treatment strategies: the Munich experience** ... 115
J. Rieber, P. Jung, T. M. Schiele, A. Koenig, I. Erhard, T. Segmiller, S. Ebel, K. Theisen, U. Siebert, V. Klauss
- Simultaneous Doppler and pressure recordings to assess microvascular dysfunction in chronic total coronary occlusions – potential for recovery during follow-up** 120
G. S. Werner
- Early detection of myocardial microcirculatory disturbances after primary PTCA in patients with acute myocardial infarction: coronary blood flow velocity versus sestamibi perfusion imaging** ... 126
H.-U. Stempfle, R. Schmid, A. Tausig, V. Auer, M. Hacker, T. M. Schiele, K. Hahn, V. Klauss