

List of Publications Martin T.R. Grapow 11/2021**Original-Paper, peer-reviewed**

1. Bender, H, **Grapow M**, Schomburg A, U. Reinhold U, Biersack HJ, Effects of diagnostic application of monoclonal antibody on survival in melanoma patients. *Hybridoma*, 1997. 16:65-8.
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3. Ponicke K, Giessler C, **Grapow M**, Heinroth-Hoffmann I, Becker K, Osten B, Brodde OE FP-receptor mediated trophic effects of prostanoids in rat ventricular cardiomyocytes. *Br J Pharmacol* 2000 Apr;129:1723-31
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6. **Grapow M**, Kern T, Reineke D, Brett W, Bernet F, Rueter F, Müller-Schweinitzer E, Zerkowski HR. Improved endothelial function after modified harvesting technique of the Internal Thoracic Artery. *Eur J Cardiothorac Surg.* 2003;23:956-60
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11. Baykut D, **Grapow M**, Bergquist M, Amirkhani A, Ivonin I, Reineke D, Grussenmeyer T, Håkansson P, Zerkowski HR, Baykut G, Bergquist J. Molecular Differentiation of Ischemic and Valvular Heart Disease by Liquid Chromatography / Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry. *Eur J Med Res.* 2006;11:221-6.
12. **Grapow M**, Reineke D, Antona C, Gelpi G, Santoli E, Zerkowski HR, Carrel T, Müller-Schweinitzer E. Intraindividual comparison of human radial and internal thoracic arteries in vitro and the effect of preoperative calcium blocker therapy. *Fund Clin Pharmacol* 2007;21:67-74.
13. Lampert FM, Matt P, **Grapow M**, Lefkovits I, Zerkowski HR, Grussenmeyer T. "Turnover proteome" of human atrial trabeculae. *J Proteome Res.* 2007; 6:4458-68.
14. Müller-Schweinitzer E, Striffeler H, Grussenmeyer T, Reineke D, Glusa E, **Grapow M**. Impact of freezing/thawing procedures on the post-thaw viability of cryopreserved human saphenous vein conduits. *Cryobiology* 2008; 57:37-45
15. Müller-Schweinitzer E, Reineke DC, Glusa E, Ebeigbe AB, **Grapow MT**, Carrel TP. Activated Rho/Rho kinase and modified calcium sensitivity in cryopreserved human saphenous veins. *Cryobiology.* 2008;57:37-45.
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22. Müller-Schweinitzer E, Müller SE, Reineke DC, Kern T, Carrel TP, Eckstein FS, **Grapow M**. Reactive oxygen species mediate functional differences in human radial and internal thoracic arteries from smokers. *J Vasc Surg*. 2010;51:438-44.
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27. **Grapow M**, Melly LF, Eckstein FS, Reuthebuch OT. A new cable-tie based sternal closure system: description of the device, technique of implantation and first clinical evaluation. *J Cardiothorac Surg.* 2012;7:59.
28. Reuthebuch O, Fassel J, Brown J, **Grapow M**, Eckstein F. Early experiences and in-hospital results with a novel off-pump apico-aortic conduit. *Interact Cardiovasc Thorac Surg* 2013;16:482-7
29. Matt P, Albrecht F, Rueter F, **Grapow M**, Pargger H, Fassel J, Reuthebuch O, Eckstein F. Hypothermic Circulatory Arrest using Antegrade Cerebral Perfusion is safe for Elective Aortic Arch Surgery. *Thorac Cardiovasc Surg* 2013;61:553-8
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35. Inderbitzin DT, Bremerich J, Matt P, **Grapow MT**, Eckstein FS, Reuthebuch O. One-year patency control and risk analysis of eSVS®-mesh-supported coronary saphenous vein grafts. *J Cardiothorac Surg*. 2015;10:108.
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38. Matt P, Banerjee P, **Grapow M**, Rueter F, Schurr U, Siegemund M, Fassl J, Reuthebuch O, Eckstein F. Modified frozen elephant trunk for acute type A aortic dissection: a comparative study with standard repair technique. *Eur J Cardiothorac Surg*. 2017;51(4):754-760.
39. Mauermann E, Bolliger D, Fassl J, **Grapow M**, Seeberger EE, Seeberger MD, Filipovic M, Lurati Buse GA. Significance of new Q waves and their location in postoperative ECGs after elective on-pump cardiac surgery: An observational cohort study. *Eur J Anaesthesiol*. 2017;34(5):271-279
40. Shahinian JH, Mayer B, Tholen S, Brehm K, Biniossek ML, Füllgraf H, Kiefer S, Heizmann U, Heilmann C, Rüter F, **Grapow M**, Reuthebuch OT, Eckstein F, Beyersdorf F, Schilling O, Siepe M. Proteomics highlights decrease of matricellular proteins in left ventricular assist device therapy. *Eur J Cardiothorac Surg*. 2017;51(6):1063-1071.
41. Mauermann E, Bolliger D, Fassl J, **Grapow M**, Seeberger EE, Seeberger MD, Filipovic M, Lurati Buse GAL. Postoperative High-Sensitivity Troponin and Its Association With 30-Day and 12-Month, All-Cause Mortality in Patients Undergoing On-Pump Cardiac Surgery. *Anesth Analg*. 2017;125(3):753-761.
42. **Grapow MT**, Haug M, Tschung C, Winkler B, Banerjee P, Heinisch P, Fassl J, Reuthebuch O, Eckstein F. Therapy options in deep sternal wound infection: sternal plating versus muscle flap. *PLOS ONE* 2017;30;12(6):e0180024

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46. Reuthebuch O, Koechlin L, Schurr U, Grapow M, Fassel J, Eckstein FS. Aortic valve replacement using autologous pericardium: single centre experience with the Ozaki technique. *Swiss Med Wkly*. 2018;148:w14591
47. Heppel D, Grapow M, Reuthebuch O, Bolliger D, Fassel J. Superior Vena Cava Syndrome Following Mitral Valve Repair. *J Cardiothorac Vasc Anesth*. 2018 Apr;32(2):938-941
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49. Koechlin L, Erb JM, Kohler C, Schaeffer T, Eckstein FS, Grapow MTR. Three-Dimensional Transesophageal Echocardiography Reconstruction in Removal of a 7-cm Left Atrial Thrombus Attached to a Displaced Amplatzer Device. *Circ Cardiovasc Imaging*. 2018 Apr;11(4):e007654.
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53. Santer D, Boltres A, Koechlin L, Hunziker P, Jeger R, Maurer M, Grapow M, Eckstein F, Reuthebuch O. Two cases of successful treatment of acute right heart failure with Impella RP®. *ESC Heart Fail*. 2020 Aug; 7(4): 1982–1986.
54. Mork C, Koechlin L, Schaeffer T, Schoemig L, Zenklusen U, Gahl B, Reuthebuch O, Eckstein FS, Grapow MTR. Bretschneider (Custodiol®) and St. Thomas 2 Cardioplegia Solution in Mitral Valve Repair via Anterolateral Right Thoracotomy: A Propensity-Modelled Comparison. *Mediators Inflamm*. 2019; 2019: 5648051.
55. Shahinian JH, Cogliatti L, Gahl B, Berdajs D, Grapow M, Eckstein F, Reuthebuch O. Assessment of compromised parasternal skin perfusion after left internal mammary artery harvesting with a novel laser Doppler imaging. *J Cardiovasc Surg (Torino)*. 2019 Dec;60(6):742-748
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59. Koechlin L, Kaufmann J, Macius E, Bremerich J, Sommer G, Gahl B, Schurr U, Grapow M, Reuthebuch O, Eckstein F, Berdajs DA. Impact of Modified Frozen Elephant Trunk Procedure on Downstream Aorta Remodeling in Acute Aortic Dissection: CT Scan Follow-Up. *World J Surg*. 2020 May;44(5):1648-1657.
60. Schaeffer T, Pfister O, Mork C, Mohacsi P, Rueter F, Scheifele S, Morgen A, Zenklusen U, Doebele T, Maurer M, Erb J, Fassl J, Cueni N, Siegemund M, Pargger H, Gahl B,

Osswald S, Eckstein F, Grapow M. 5-year results of a newly implemented mechanical circulatory support program for terminal heart failure patients in a Swiss non-cardiac transplant university hospital. *J Cardiothorac Surg.* 2021; 16: 64

61. Ramser M, Glauser PM, Glass TR, Weixler B, Grapow MTR, Hoffmann H, Kirchhoff P. Abdominal Decompression after Cardiac Surgery: Outcome of 42 Patients with Abdominal Compartment Syndrome. *World J Surg.* 2021 Apr;45(4):1242-1251.

Reviews/Editorials, peer reviewed

1. Zerkowski HR, **Grapow M**, Todorov A, Morawietz H. Reverse Remodeling by Surgery- Fact or Fiction? *Z Kardiol.* 2000;89 Suppl 7:76-84 (now *Clin Res Cardiol*)
2. **Grapow M**, Bernet F, Rüter F, Wehrle A, Buser P, Todorov A, Zerkowski HR. Mechanische Langzeit-Kreislaufunterstützung. *Kardiovaskuläre Medizin* 2000;3:454-466
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4. Matt P, Bernet F, **Grapow M**, Zerkowski HR. Herzchirurgie beim alten Patienten. *Swiss Med Forum* 2003; 47:1044-46
5. Zerkowski HR, Grussenmeyer T, Matt P, **Grapow M**, Engelhardt S, Lefkovits I. Proteomics strategies in cardiovascular research. *J Proteome Res.* 2004;3:200-8
6. Matt P, Bernet F, **Grapow M**, Zerkowski HR. Cardiac surgery in elderly patients: What is the evidence? *Heart Drug* 2004;4:119.122
7. Bernet F, **Grapow M**, Zerkowski HR. Beating Heart Surgery. *Kardiovask Med* 2004;7:214-217
8. Matt P, **Grapow M**, Grussenmeyer T, Lefkovits I, Zerkowski HR. Proteomics research in cardiovascular disease. *Res Adv Cardiol* 2005;4:25-30

9. **Grapow M**, von Wattenwyl R, Zerkowski HR. Current evidence-based Situation in Coronary Revascularization: PCI versus CABG and Diabetes. *Clin Res Cardiol* 2006;95:31-34
10. **Grapow M**, von Wattenwyl R, Guller U, Beyersdorf F, Zerkowski HR. Randomized controlled trials do not reflect reality – real-world analyses are critical for treatment guidelines! *J Thorac Cardiovasc Surg.* 2006;132:5-7.
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Case-Reports/How to do it-Paper, peer reviewed

1. Gybels Y, **Grapow M**, Todorov A, Wagner G, Zerkowski HR Aberrant right pulmonary artery and double outlet ventricle: one-stage repair. *Ann Thorac Surg* 2000;69:630-2
2. **Grapow M**, Todorov A, Bernet F, Zerkowski HR. Ambulatory long-term management of a left ventricular assist device. Current modality in terminal heart failure. *Swiss Surg* 2003;9:27-30
3. **Grapow M**, Bernet F, Zerkowski HR. Pseudoaneurysm in a Marfan-patient 16 years after Bentall-operation. *Asian Cardiovasc Thorac Ann.* 2004;12:182-3.
4. Matt P, Todorov A, **Grapow M**, Zerkowski HR. Ascending aortic thrombus causing stroke. *Eur J Cardiothorac Surg.* 2004;25:286.
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6. Baykut D, Doerge SE, **Grapow M**, Bremerich J, Zerkowski HR. Late perforation of the aortic root by an atrial septal defect occlusion device. *Ann Thorac Surg.* 2005;79:28
7. Bernet F, **Grapow M**, Zerkowski HR. How to avoid traction to a pedicled internal thoracic artery. *J Thorac Cardiovasc Surg* 2005;120:1186-7

8. Bernet F, Reineke D, **Grapow M**, Zerkowski HR. OPCAB Surgery after right Pneumonectomy. *J Cardiac Surg* 2006; 21:92-3.
9. von Wattenwyl R, **Grapow MT**, Reineke DC, Zerkowski HR. Challenges in early cardiothoracic surgery: aortic homograft transplantation in coarctation, a 44-year follow-up. *J Thorac Cardiovasc Surg.* 2006 132:969-70
10. **Grapow M**, Lampert F, Handschin R, Bremerich J, Eckstein FS, Carrel TP. Recurrent syncope and chest pain in a young soccer player. *Swiss Med Forum* 2009:695-697
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13. **Grapow MT**, Campelos P, Barriuso C, Mulet J. Eyes wide shut--unusual two stage repair of pectus excavatum and annuloaortic ectasia in a 37 year old marfan patient: case report. *J Cardiothorac Surg.* 2011;6:64.
14. Winkler B, **Grapow M**, Seeberger M, Matt P, Aulitzky W, Eckstein F. Heart failure resulting from giant left atrial synovial sarcoma metastasis. *Thorac Cardiovasc Surg.* 2012;60:84-6.
15. Inderbitzin DT, Seeberger M, **Grapow M**, Kaiser C, Muralidhar K, Eckstein FS. High-resolution three-dimensional echocardiography of left atrial myxoma. *Asian Cardiovasc Thorac Ann* 2012; 20:741
16. Winkler B, Inderbitzin DT, Ruppert P, Halbeisen M, **Grapow MT**, Eckstein FS Integrity of mechanical aortic valve prostheses explanted after 27 and 23 years. *Asian Cardiovasc Thorac Ann.* 2013 Jun;21(3):348-51
17. Kakaty D, **Grapow M**, Huber B, Lardinois D. Long-term survival after extended resection of primary atrial myxosarcoma. *J Surg Case Rep.* 2015 Jan 12;2015(1).

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19. Heppel D, Grapow M, Reuthebuch O, Bolliger D, Fassl J. Superior Vena Cava Syndrome Following Mitral Valve Repair. *J Cardiothorac Vasc Anesth.* 2018;32(2):938-941
20. Shahinian JH, Tobler D, Wolff T, Grapow M. Interrupted right-sided aortic arch: performance of umbilical xenograft after primary neonatal corrective surgery. *J Thorac Dis.* 2018;10(1):E24-E26
21. Koechlin L, Erb JM, Kohler C, Schaeffer T, Eckstein FS, Grapow MTR. Three-Dimensional Transesophageal Echocardiography Reconstruction in Removal of a 7-cm Left Atrial Thrombus Attached to a Displaced Amplatzer Device. *Circ Cardiovasc Imaging.* 2018;11(4):e007654

Bookchapters

1. Bender H, **Grapow M**, Frohmann JP, Biersack HJ: Klinische Bedeutung von Radioimmunszintigraphie und Positronen-Emissions- Tomographie in der Diagnostik von malignen Melanomen. in "Klinik der malignen Melanome: Grundlagen, Diagnostik, Therapie". Boettcher und Adamietz, 1999 Boehringer Mannheim; 231-265
2. Bender H, Frohmann JP, **Grapow M**, Schomburg A, Reinhold U, Biersack HJ: Potential Role of whole-body FDG-PET in the routine staging of malignant melanoma. in "Radioactive isotopes in clinical medicine and research". XXIII Bergmann, Köhn, Sinzinger, 1999 Birkhäuser Verlag Basel; 467-470
3. **Grapow M**, Zerkowski H-R: Herzchirurgische Therapie: "Grundl. Techn. Möglichk. und Grenzen", "Vorbereitung und Narkose", "Aortokoronare Bypassoperation", "Vitienchirurgie", "Herz- und Herz-Lungentransplantation", "Weitere herzchirurgische Behandlungsverfahren". in Werdan, Trappe, Zerkowski: Das Herz Buch, U&S
4. **Grapow M**, Todorov A, Brett W, Zerkowski HR. Chirurgische Möglichkeiten bei Endzuständen des Herzversagens. In " Wildwiese mit weiten Zäunen" Zerkowski HR, Wolfhard U (Eds.) 2001 Steinkopff Verlag Darmstadt; 1-19
5. **Grapow M**, Zerkowski HR, in Buser P, Zerkowski HR, Osterhues HH, Brett W, Osswald S, Pfisterer M (Eds) 2002 Steinkopff Verlag Darmstadt,
6. Zerkowski HR, Rueter F, **Grapow M**. Artificielle Organe als Ersatz – Erfahrungen mit dem Kunstherz. In Paolo Becchi, Alberto Bondolfi, Ulrike Kostka und Kurt Seelmann: Ethik und Recht. Organallokation. 2004 Schwabe Verlag AG Basel; 287-302
7. Zerkowski HR, **Grapow M**. Künstlicher Ersatz des Herzens – Jahrzehnte des Fortschritts oder inhumaner Irrweg? Geerlings W, Mügge A (Eds) 2006 Ferdinand Schoeningh AG Paderborn; 55-73
8. **Grapow M**, Reinhartz O, Hill JD, Zerkowski HR. Mechanische Kreislaufunterstützung: von der Überbrückung zur Transplantation über Herzmuskelerholung bis hin zur Destinationstherapie. In Zerkowski HR, Baumann G: HerzAkut Medizin. 2006 Steinkopff Verlag Darmstadt

9. Lefkovits I, Grussenmeyer T, Matt P, **Grapow M**, Lefkovits M, Zerkowski HR. Proteomics in clinical research: perspectives and expectations. In Andras Falhus: Immunogenomics and Human Disease. 2006 John Wiley & Sons, Ltd, London

10. **Grapow M**, Guller U, Zerkowski HR. Wahrnehmung und Wirklichkeit – zur Bedeutung unterschiedlicher Studientypen für den klinischen Alltag; in Ennker J, Zerkowski H-R Risiko und Qualität in der Herzchirurgie. 2006 Steinkopff Verlag Darmstadt

Editor

Cardiac Disease in the Elderly, Interventions-Ethics-Economics. Preiss M, **Grapow M**, Buser P, Zerkowski HR (Eds.) 2001Steinkopff Darmstadt