

## List of publications

1<sup>st</sup> of May, 2020

Martin Andreas, MD, MBA, PhD, MEBCTS

### Original publications (n=72)

IF 268.240

The impact of subclinical congestion on the outcome of patients undergoing transcatheter aortic valve implantation.

Adlbrecht C, Piringer F, Resar J, Watzal V, **Andreas M**, Strouhal A, Hasan W, Geisler D, Weiss G, Grabenwöger M, Delle-Karth G, Mach M. Eur J Clin Invest. 2020 Apr 22:e13251. doi: 10.1111/eci.13251. (2.784)

Minimally invasive access type related to outcomes of sutureless and rapid deployment valves,

**Martin Andreas**, Paolo Berretta, Marco Solinas, Giuseppe Santarpino, Utz Kappert, Antonio Fiore, Mattia Glauber, Martin Misfeld, Carlo Savini, Elisa Mikus, Emmanuel Villa, Kevin Phan, Theodor Fischlein, Bart Meuris, Gianluca Martinelli, Kevin Teoh, Carmelo Mignosa, Malakh Shrestha, Thierry P. Carrel, Tristan Yan, Guenther Laufer, Marco Di Eusanio. EJCTS, accepted Apr 2020 (3.847)

Repeat Transcatheter Aortic Valve Replacement for Transcatheter Prosthesis Dysfunction.

Landes U, Webb JG, De Backer O, Sondergaard L, Abdel-Wahab M, Crusius L, Kim WK, Hamm C, Buzzatti N, Montorfano M, Ludwig S, Schofer N, Voigtlaender L, Guerrero M, El Sabbagh A, Rodés-Cabau J, Guimaraes L, Kornowski R, Codner P, Okuno T, Pilgrim T, Fiorina C, Colombo A, Mangieri A, Eltchaninoff H, Nombela-Franco L, Van Wiechen MPH, Van Mieghem NM, Tchétché D, Schoels WH, Kullmer M, Tamburino C, Sinning JM, Al-Kassou B, Perlman GY, Danenberg H, Ielasi A, Fraccaro C, Tarantini G, De Marco F, Witberg G, Redwood SR, Lisko JC, Babaliaros VC, Laine M, Nerla R, Castriota F, Finkelstein A, Loewenstein I, Eitan A, Jaffe R, Ruile P, Neumann FJ, Piazza N, Alosaimi H, Sievert H, Sievert K, Russo M, **Andreas M**, Bunc M, Latib A, Govdfrey R, Hildick-Smith D, Sathananthan J, Hensey M, Alkhodair A, Blanke P, Leipsic J, Wood DA, Nazif TM, Kodali S, Leon MB, Barbanti M. J Am Coll Cardiol. 2020 Apr 28;75(16):1882-1893. doi: 10.1016/j.jacc.2020.02.051. (18.639)

Advanced three-dimensionally engineered simulation model for aortic valve and proximal aorta procedures.

Russo M, Koenigshofer M, Stoiber M, Werner P, Gross C, Kocher A, Laufer G, Moscato F, **Andreas M**. Interact Cardiovasc Thorac Surg. 2020 Apr 14. pii: ivaa026. doi: 10.1093/icvts/ivaa026 (1.931)

Rapid-Deployment Aortic Valves for Patients with a Small Aortic Root: A single-center experience.

Coti I, Haberl T, Scherzer S, Mag SS, Binder T, Kocher A, Laufer G, **Andreas M**. Ann Thorac Surg. 2020 Mar 20. pii: S0003-4975(20)30402-1. doi: 10.1016/j.athoracsur.2020.02.030. (3.919)

Conduction disturbances following surgical aortic valve replacement with a rapid-deployment bioprosthesis.

Coti I, Schukro C, Drevinja F, Haberl T, Kaider A, Kocher A, Laufer G, **Andreas M**. J Thorac Cardiovasc Surg. 2020 Feb 19. pii: S0022-5223(20)30433-5. doi: 10.1016/j.jtcvs.2020.01.083. (5.261)

Current trends of sutureless and rapid deployment valves: 11-year experience from the sutureless and rapid deployment international registry (SURD-IR)

Paolo Berretta, Sebastian Artz, Antonio Fiore, Thierry P. Carrel, Martin Misfeld, Kevin Teoh, Emmanuel Villa, Alberto Albertini, Theodor Fischlein, Gianluca Martinelli, Malak Shrestha, Carlo Savini, Antonio Miceli, Giuseppe Santarpino, Martin Andreas, Carmelo Mignosa, Kevin Phan, Bart Meuris, Marco Solinas, Tristan Yan, Marco Di Eusanio. EJCTS accepted 19032020 (3.847)

Early results from a prospective, single-arm European trial on decellularized allografts for aortic valve replacement: the ARISE Study and ARISE registry data

Alexander Horke, Igor Tudorache, Günther Laufer, **Martin Andreas**, Jose L. Pomar, Daniel Pereda, Eduard Quintana, Marta Sitges, Bart Meyns, Filip Rega, Mark Hazekamp, Michael Hübler, Martin Schmiady, John Pepper, Ulrich Rosendahl, Artur Lichtenberg, Payam Akhyari, Ramadan Jashari, Dietmar Boethig, Dmitry Bobylev, Murat Avsar, Serghei Cebotari, Axel Haverich, Samir Sarikouch EJCTS accepted 2020 (3.847)

An extended duration of the pre-operative hospitalization is associated with an increased risk of healthcare-associated infections after cardiac surgery

Patrick Sulzgruber, Sebastian Schnaubelt, Lorenz Koller, Günther Laufer, Arnold Pilz, Niema Kazem, Max-Paul Winter Barbara Steinlechner, **Martin Andreas**, Tatjana Fleck, Klaus Distelmaier, Georg Goliash, Alexander Niessner. Scientific Reports, accepted Feb 2020 (4.01)

Light-chain and transthyretin cardiac amyloidosis in severe aortic stenosis: prevalence, screening possibilities, and outcome.

Nitsche C, Aschauer S, Kammerlander AA, Schneider M, Poschner T, Duca F, Binder C, Koschutnik M, Stiffinger J, Goliash G, Siller-Matula J, Winter MP, Anvari-Pirsch A, **Andreas M**, Geppert A, Beitzke D, Loewe C, Hacker M, Agis H, Kain R, Lang I, Bonderman D, Hengstenberg C, Mascherbauer J. Eur J Heart Fail. 2020 Feb 20. doi: 10.1002/ejhf.1756. (12.129)

Atrial Fibrillation Following Cardiac Surgery: Electrophysiological Mechanism and Outcome.

Ehrlich MP, Osorio-Jaramillo E, Aref T, Coti I, **Andreas M**, Laufer G, Ad N. Ann Thorac Surg. 2020 Feb 12. pii: S0003-4975(20)30191-0. doi: 10.1016/j.athoracsur.2019.12.069. (3.919)

Minimally Invasive Redo Aortic Valve Replacement: Results From a Multicentric Registry (SURD-IR).

Santarpino G, Berretta P, Kappert U, Teoh K, Mignosa C, Meuris B, Villa E, Albertini A, Carrel TP, Misfeld M, Martinelli G, Phan K, Miceli A, Folliguet T, Shrestha M, Solinas M, **Andreas M**, Savini C, Yan T, Fischlein T, Di Eusanio M. Ann Thorac Surg. 2020 Jan 16. pii: S0003-4975(20)30015-1. doi: 10.1016/j.athoracsur.2019.11.033. (3.919)

- Off-pump tricuspid valve repair by automated sutured tricuspid annular plication via transatrial cannulation: preclinical ex vivo and in vivo results.  
Werner P, Russo M, Sauer J, Zilberszac R, Rath C, Kocher A, Laufer G, **Andreas M**.  
Interact Cardiovasc Thorac Surg. 2020 Apr 1;30(4):636-645. doi: 10.1093/icvts/ivz297. (1.931)
- Off-Pump Tricuspid Annuloplasty through a Direct Transatrial Approach: Early Results.  
**Andreas M**, Werner P, Laufer G, Sauer J.  
Thorac Cardiovasc Surg. 2019 Nov 4. doi: 10.1055/s-0039-1698392. (1.152)
- Prognostic Value of Right Ventricular Dysfunction and Tricuspid Regurgitation in Patients with Severe Low-Flow Low-Gradient Aortic Stenosis.  
Zilberszac R, Gleiss A, Schweitzer R, Bruno P, **Andreas M**, Stelzmüller M, Massetti M, Wisser W, Laufer G, Binder T, Gabriel H, Rosenhek R.  
Sci Rep. 2019 Oct 10;9(1):14580. (4.011)
- Electrical Stimulation of the Greater Auricular Nerve to Reduce Postoperative Atrial Fibrillation.  
**Andreas M**, Arzl P, Mitterbauer A, Ballarini NM, Kainz FM, Kocher A, Laufer G, Wolzt M. Circ Arrhythm Electrophysiol. 2019 Oct;12(10):e007711. (4.968)
- A novel, transfemoral prosthesis designed to treat aortic valve regurgitation: technical aspects and procedural guide.  
Russo M, Werner P, Moscato F, Rath C, Stoiber M, Hengstenberg C, **Andreas M**.  
J Cardiovasc Med (Hagerstown). 2019 Sep 24. (1.427)
- Strong Signs for a Weak Wall in Tricuspid Aortic Valve Associated Aneurysms and a Role for Osteopontin in Bicuspid Aortic Valve Associated Aneurysms.  
Stern C, Scharinger B, Tuerkcan A, Nebert C, Mimler T, Baranyi U, Doppler C, Aschacher T, **Andreas M**, Stelzmueller ME, Ehrlich M, Graf A, Laufer G, Bernhard D, Messner B.  
Int J Mol Sci. 2019 Sep 26;20(19). pii: E4782. (4.183)
- Routine preoperative aortic computed tomography angiography is associated with reduced risk of stroke in coronary artery bypass grafting: a propensity-matched analysis  
Sandner S, Nolz R, Loewe C, Gregorich M, Heinze G, **Andreas M**, Kolh P, Zimpfer D, Laufer G. European Journal of Cardio-Thoracic Surgery, ezz237, doi.org/10.1093/ejcts/ezz237 (3.847)
- Early Antibiotic Prophylaxis Prior to Bypass Surgery Improves Tissue Penetration  
**Andreas M**, Zeitlinger M, Shabaniyan S, Wisser W, Thell R, Edlinger-Stanger M, Maier-Salamon A, Jaeger W, Kocher A, Laufer G, Hiesmayr M, Hutschala D  
Thoracic and Cardiovascular Surgeon, accepted August 2019 (1.152)
- Disproportionate Functional Mitral Regurgitation: Advancing a Conceptual Framework to Clinical Practice.  
Bartko PE, Heitzinger G, Arfsten H, Pavo N, Spinka G, **Andreas M**, Mascherbauer J, Hengstenberg C, Hülsmann M, Goliash G.  
JACC Cardiovasc Imaging. 2019 Jun 8. (10.975)

Early Insight Into In Vivo Recellularization of Cell-Free Allogenic Heart Valves.  
Sarikouch S, Theodoridis K, Hilfiker A, Boethig D, Laufer G, **Andreas M**, Cebotari S, Tudorache I, Bobylev D, Neubert L, Teiken K, Robertus JL, Jonigk D, Beerbaum P, Haverich A, Horke A. *Ann Thorac Surg*. 2019 Aug;108(2):581-589. doi: 10.1016/j.athoracsur.2019.02.058. (3.919)

Extracellular matrix in ascending aortic aneurysms and dissections - What we learn from decellularization and scanning electron microscopy.  
Mimler T, Nebert C, Eichmair E, Winter B, Aschacher T, Stelzmueller ME, **Andreas M**, Ehrlich M, Laufer G, Messner B. *PLoS One*. 2019 Mar 18;14(3):e0213794. doi: 10.1371/journal.pone.0213794. (2.776)

Minimally invasive aortic valve replacement with sutureless and rapid deployment valves: a report from an international registry (Sutureless and Rapid Deployment International Registry) Berretta P, **Andreas M**, Carrel TP, Solinas M, Teoh K, Fischlein T, Santarpino G, Folliguet T, Villa E, Meuris B, Mignosa C, Martinelli G, Misfeld M, Glauber M, Kappert U, Savini C, Shrestha M, Phan K, Albertini A, Yan T, Di Eusanio M. *Eur J Cardiothorac Surg*. 2019 Feb 28. pii: ezz055. doi: 10.1093/ejcts/ezz055. (3.847)

Transcatheter aortic valve-in-valve implantation in degenerative rapid deployment bioprostheses. Landes U, Dvir D, Schoels W, Tron C, Ensminger S, Simonato M, Schäfer U, Bunc M, Aldea GS, Cerillo A, Windecker S, Marzocchi A, **Andreas M**, Amabile N, Webb J, Kornowski R. *EuroIntervention*. 2019 May 20;15(1):37-43. doi: 10.4244/EIJ-D-18-00752. (4.018)

Transcatheter aortic valve-in-ring implantation: feasibility in an acute, preclinical, pilot trial.  
**Andreas M**, Russo M, Kuwata S, Cesarovic N, Wang C, Guidotti A, Lipiski M, Rankin JS, Regar E, Taramasso M, Maisano F, Weber A.  
*Interact Cardiovasc Thorac Surg*. 2019 Jun 1;28(6):908-915. doi: 10.1093/icvts/ivy341. (1.931)

Noninvasive mapping before surgical ablation for persistent, long-standing atrial fibrillation.  
Ehrlich MP, Laufer G, Coti I, Peter M, **Andreas M**, Stix G, Ad N.  
*J Thorac Cardiovasc Surg*. 2018 Sep 25. (5.261)

Long-term performance of pulmonary homografts after the Ross procedure: experience up to 25 years.  
Oeser C, Uyanik-Uenal K, Kocher A, Laufer G, **Andreas M**.  
*Eur J Cardiothorac Surg*. 2018 Nov 22. (3.847)

Intravenous Heme Arginate Induces HO-1 (Heme Oxygenase-1) in the Human Heart.  
**Andreas M**, Oeser C, Kainz FM, Shabanian S, Aref T, Bilban M, Messner B, Heidtmann J, Laufer G, Kocher A, Wolzt M.  
*Arterioscler Thromb Vasc Biol*. 2018 Nov (6.618)

Bicuspid aortic valve repair with "self-made" radio-opaque rigid annuloplasty ring implantation.  
Russo M, Maisano F, **Andreas M**, Benussi S, Alkadhi H, Weber A.  
*J Card Surg*. 2018 Oct;33(10):649-650. (1.179)

Intermediate-term outcome of 500 consecutive rapid-deployment surgical aortic valve procedures.

**Andreas M**, Coti I, Rosenhek R, Shabanian S, Mahr S, Uyanik-Uenal K, Wiedemann D, Binder T, Kocher A, Laufer G.

Eur J Cardiothorac Surg. 2018 Aug 20. (3.847)

Early Clinical Experience with Double Ring Implantation for Aortic and Mitral Valve Repair.

Russo M, **Andreas M**, Rankin SJ, Maisano F, Weber A.

Thorac Cardiovasc Surg. 2018 Aug 2. (1.152)

Outcomes of a Rapid Deployment Aortic Valve Versus Its Conventional Counterpart: A Propensity-Matched Analysis.

Wahlers TCW, **Andreas M**, Rahmanian P, Candolfi P, Zemanova B, Giot C, Ferrari E, Laufer G. Innovations (Phila). 2018 May/Jun;13(3):177-183.

Sutureless and Rapid-Deployment Aortic Valve Replacement International Registry (SURD-IR): early results from 3343 patients.

Di Eusanio M, Phan K, Berretta P, Carrel TP, **Andreas M**, Santarpino G, Di Bartolomeo R, Folliguet T, Meuris B, Mignosa C, Martinelli G, Misfeld M, Glauber M, Kappert U, Shrestha M, Albertini A, Teoh K, Villa E, Yan T, Solinas M.

Eur J Cardiothorac Surg. 2018 Oct 1;54(4):768-773. (3.847)

Tricuspid valve replacement: results of an orphan procedure - which is the best prosthesis?

Wiedemann D, Ruppel V, Mascherbauer J, Kammerlander A, Mora B, Dimitrov K, Weber B, **Andreas M**, Laufer G, Kocher A.

J Cardiovasc Surg (Torino). 2018 Aug;59(4):626-632. (1.062)

Minimally invasive aortic valve replacement through an upper hemisternotomy: the Vienna technique.

Kocher A, Coti I, Laufer G, **Andreas M**.

Eur J Cardiothorac Surg. 2018 May 1;53(suppl\_2):ii29-ii31. (3.847)

Quality of medical therapy in heart failure patients undergoing elective revascularisation: A protective effect of disease modifying therapy at discharge.

Wurm R, Huelsmann M, Hienert M, Seidl V, Wiedemann D, Laufer G, Kocher A, Adlbrecht C, **Andreas M**.

Sci Rep. 2017 Nov 2;7(1):14909. (4.011)

Surgical minimally invasive techniques for mitral valve repair—cannulation techniques and the Vienna approach.

Coti I, Haberl T, Laufer G, **Andreas M**. J Vis Surg 2018;4:126.

Minimalinvasiver Aortenklappenersatz über eine anteriore rechtsseitige Thorakotomie

**Andreas M**, Mahr S, Kocher A, Laufer G

Zeitschrift für Herz-,Thorax- und Gefäßchirurgie, 31(4), 241-246

Increased Thromboembolic Events With Dabigatran Compared With Vitamin K Antagonism in Left Ventricular Assist Device Patients: A Randomized Controlled Pilot Trial. **Andreas M**, Moayedifar R, Wieselthaler G, Wolzt M, Riebandt J, Haberl T, Angleitner P, Schlöglhofer T, Wiedemann D, Schima H, Laufer G, Zimpfer D.

Circ Heart Fail. 2017 May;10(5). pii: e003709. (6.526)

- Long-term outcomes of a rapid deployment aortic valve: data up to 5 years.  
Laufer G, Haverich A, **Andreas M**, Mohr FW, Walther T, Shrestha M, Rahmanian P, Holzhey D, Roth M, Schmitz C, Schramm R, Giot C, Wahlers TCW.  
Eur J Cardiothorac Surg. 2017 Aug 1;52(2):281-287. (3.847)
- Direct sternal administration of vancomycin and gentamicin during closure prevents wound infection. **Andreas M**, Muckenhuber M, Hutschala D, Kocher A, Thalhammer F, Vogt P, Fleck T, Laufer G  
Interact Cardiovasc Thorac Surg., accepted Jan 2017 (1.931)
- The recipient's heme oxygenase-1 promoter region polymorphism is associated with cardiac allograft vasculopathy.  
Freystaetter K, **Andreas M**, Bilban M, Perkmann T, Kaider A, Masetti M, Kocher A, Wolzt M, Zuckermann A. Transpl Int. 2017 Feb 10. (3.526)
- Pledget-Armed Sutures Affect the Haemodynamic Performance of Biologic Aortic Valve Substitutes: A Preliminary Experimental and Computational Study.  
Capelli C, Corsini C, Biscarini D, Ruffini F, Migliavacca F, Kocher A, Laufer G, Taylor AM, Schievano S, **Andreas M**, Burriesci G, Rath C.  
Cardiovasc Eng Technol. 2017 Mar;8(1):17-29. (1.776)
- The megaaortic syndrome: Progression of ascending aortic aneurysm or a disease of distinct origin? Baranyi U, Stern C, Winter B, Türkcan A, Scharinger B, Stelzmüller ME, Aschacher T, **Andreas M**, Ehrlich M, Laufer G, Bernhard D, Messner B.  
Int J Cardiol. 2017 Jan 15;227:717-726. (3.471)
- Clinical significance of the single nucleotide polymorphism TLR2 R753Q in heart transplant recipients at risk for cytomegalovirus disease  
Schneider M, Matiqi T, Kundi M, Rieder F, **Andreas M**, Strassl R, Zuckermann A, Jungbauer C, Steininger C  
Journal of Clinical Virology, J Clin Virol. 2016 Nov;84:64-69. (3.020)
- Bioimpedance cardiography in pregnancy: A longitudinal cohort study on hemodynamic pattern and outcome.  
**Andreas M**, Kuessel L, Kastl SP, Wirth S, Gruber K, Rhomberg F, Gomari-Grisar FA, Franz M, Zeisler H, Gottsauner-Wolf M.  
BMC Pregnancy Childbirth. 2016 Jun 1;16(1):128. (2.413)
- Conventional versus rapid-deployment aortic valve replacement: a single-centre comparison between the Edwards Magna valve and its rapid-deployment successor.  
**Andreas M**, Wallner S, Habertheuer A, Rath C, Schauperl M, Binder T, Beitzke D, Rosenhek R, Loewe C, Wiedemann D, Kocher A, Laufer G.  
Interact Cardiovasc Thorac Surg. 2016 Mar 13. (1.931)
- Primary cardiac tumors on the verge of oblivion: A European experience over 15 years. Habertheuer A, Laufer G, Wiedemann D, **Andreas M**, Ehrlich M, Rath C, Kocher A  
Journal of Cardiothoracic Surgery, 2015 Apr 18;10:56. (1.470)
- Safety and feasibility of a novel adjustable mitral annuloplasty ring: a multicentre European experience  
**Andreas M**, Doll N, Livesey S, Castella M, Kocher A, Casselman F, Voth V, Bannister C, Encalada Palacios JF, Pereda D, Laufer G, Czesla M.  
Eur J Cardiothorac Surg. 2015 Feb 17. pii: ezv015. (3.847)

- Cefazolin and linezolid penetration into sternal cancellous bone during coronary artery bypass grafting.  
**Andreas M**, Zeitlinger M, Wisser W, Jaeger W, Maier-Salamon A, Thalhammer F, Kocher A, Hiesmayr JM, Laufer G, Hutschala D.  
 Eur J Cardiothorac Surg. 2015 Nov;48(5):758-64. (3.847)
- Comparable long-term results for porcine and pericardial prostheses after isolated aortic valve replacement.  
**Andreas M**, Wallner S, Ruetzler K, Wiedemann D, Ehrlich M, Heinze G, Binder T, Moritz A, Hiesmayr MJ, Kocher A, Laufer G.  
 Eur J Cardiothorac Surg. 2015 Oct;48(4):557-61. (3.847)
- Peri-interventional endothelin--a receptor blockade improves long-term outcome in patients with ST-elevation acute myocardial infarction.  
 Adlbrecht C, Wurm R, Humenberger M, **Andreas M**, Redwan B, Distelmaier K, Klappacher G, Lang IM.  
 Thromb Haemost. 2014 Jul 3;112(1):176-82. (4.733)
- Effects of endothelin A receptor blockade in patients with ST-elevation acute coronary syndrome - A rhythmologic substudy.  
 Adlbrecht C, Wurm R, Pezawas T, **Andreas M**, Redwan B, Distelmaier K, Kaider A, Lang IM. Life Sci. 2014 Feb 26. (3.448)
- The Ross procedure offers excellent survival compared with mechanical aortic valve replacement in a real-world setting.  
**Andreas M**, Wiedemann D, Seebacher G, Rath C, Aref T, Rosenhek R, Heinze G, Eigenbauer E, Simon P, Ruetzler K, Hiesmayr JM, Moritz A, Laufer G, Kocher A.  
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- Impact of cold ischemia on mitochondrial function in porcine hearts and blood vessels. D Wiedemann, T Schachner, N Bonaros, M Dorn, **M Andreas**, A Kocher, A Kuznetsov Int J Mol Sci. 2013 Nov 7;14(11):22042-51. (4.183)
- A Single-Center Experience With the Ross Procedure Over 20 Years.  
**Andreas M**, Seebacher G, Reida E, Wiedemann D, Pees C, Rosenhek R, Heinze G, Moritz A, Kocher A, Laufer G.  
 Ann Thorac Surg. 2013 Oct 8 (3.919)
- Long-term absolute and relative survival after aortic valve replacement: A prospective cohort study.  
 Lassnigg A, Hiesmayr M, Frantal S, Brannath W, Mouhieddine M, Presterl E, Isetta C, Bachmann LM, **Andreas M**, Seitelberger R, Schmidlin D.  
 Eur J Anaesthesiol. 2013 Nov;30(11):695-703. (4.140)
- Endoscopic vein harvesting is influenced by patient-related risk factors and may be of specific benefit in female patients.  
**Andreas M**, Wiedemann D, Stasek S, Kampf S, Ehrlich M, Eigenbauer E, Laufer G, Kocher A.  
 Interact Cardiovasc Thorac Surg. 2013 Oct;17(4):603-7. (1.931)
- Innovative, simplified orthotopic lung transplantation in rats.  
 Habertheuer A, Kocher A, Laufer G, Petzelbauer P, **Andreas M**, Aharinejad S, Ehrlich M, Wiedemann D.  
 J Surg Res. 2013 May 24. (1.872)

Augmentation index and pulse wave velocity in normotensive and pre-eclamptic pregnancies.

Franz MB, Burgmann M, Neubauer A, Zeisler H, Sanani R, Gottsauner-Wolf M, Schiessl B, **Andreas M**.  
Acta Obstet Gynecol Scand. 2013 Aug;92(8):960-6. (2.741)

Internal mammary artery harvesting influences antibiotic penetration into presternal tissue.

**Andreas M**, Zeitlinger M, Hoferl M, Jaeger W, Zimpfer D, Hiesmayr JM, Laufer G, Hutschala D.  
Ann Thorac Surg. 2013 Apr;95(4):1323-9; (3.919)

How to build your own coronary anastomosis simulator from scratch.

De Raet JM, Arroyo J, Büchner S, Siregard S, **Andreas M**, Halvorsen F, Grabosch A, Stubbendorff M.  
Interact Cardiovasc Thorac Surg. 2013 Jun;16(6):772-6. (1.931)

Automatic model-based analysis of skeletal muscle BOLD-MRI in reactive hyperemia.

Schewzow K, **Andreas M**, Moser E, Wolzt M, Schmid AI.  
J Magn Reson Imaging. 2013 Oct;38(4):963-9. (3.732)

Heme arginate improves reperfusion patterns after ischemia: a randomized, placebo-controlled trial in healthy male subjects.

**Andreas M**, Schmid AI, Doberer D, Schewzow K, Weisshaar S, Heinze G, Bilban M, Moser E, Wolzt M.  
J Cardiovasc Magn Reson. 2012 Aug 2;14:55. (5.070)

Systemic endothelin receptor blockade in ST-segment elevation acute coronary syndrome protects the microvasculature: a randomised pilot study.

Adlbrecht C, **Andreas M**, Redwan B, Distelmaier K, Mascherbauer J, Kaider A, Wolzt M, Tilea IA, Neunteufl T, Delle-Karth G, Maurer G, Lang IM.  
EuroIntervention. 2012 Apr;7(12):1386-95. (4.018)

Characteristics of TAV- and BAV-associated thoracic aortic aneurysms--smooth muscle cell biology, expression profiling, and histological analyses.

Blunder S, Messner B, Aschacher T, Zeller I, Türkcan A, Wiedemann D, **Andreas M**, Blüschke G, Laufer G, Schachner T, Bernhard D.  
Atherosclerosis. 2012 Feb;220(2):355-61. (4.255)

Comparison of measuring energy metabolism by different (31) P-magnetic resonance spectroscopy techniques in resting, ischemic, and exercising muscle.

Schmid AI, Schrauwen-Hinderling VB, **Andreas M**, Wolzt M, Moser E, Roden M.  
Magn Reson Med. 2012 Apr;67(4):898-905. (3.858)

Effect of ischemic preconditioning in skeletal muscle measured by functional magnetic resonance imaging and spectroscopy: a randomized crossover trial.

**Andreas M**, Schmid AI, Keilani M, Doberer D, Bartko J, Crevenna R, Moser E, Wolzt M.  
J Cardiovasc Magn Reson. 2011 Jun 30;13(1):32. (5.070)



N-terminal-pro-brain natriuretic peptide is decreased in insulin dependent gestational diabetes mellitus: a prospective cohort trial.

**Andreas M**, Zeisler H, Handisurya A, Franz MB, Gottsauner-Wolf M, Wolzt M, Kautzky-Willer A.

Cardiovasc Diabetol. 2011 Apr 13;10:28 (5.948)

Haem arginate infusion stimulates haem oxygenase-1 expression in healthy subjects. D Doberer, A Haschemi, **M Andreas**, TC Zapf, B Clive, M Jeitler, H Heinzl, O Wagner, M Wolzt, and M Bilban

Br J Pharmacol. 2010 Dec;161(8):1751-1762. (6.583)

NT-proBNP is increased in healthy pregnancies compared to non-pregnant controls. Franz MB, **Andreas M** (shared first), Schiessl B, Zeisler H, Neubauer A, Kastl SP, Hess G, Rhomberg F, Zdunek D, Maurer G, Schlembach D, Heinze G, Szekeres T, Gottsauner-Wolf M.

*Acta Obstet Gynecol Scand.* 2009;88(2):234-7. (2.741)

## Case Reports / Images (n=20)

(IF 45.265)

Simultaneous Transcatheter Mitral Valve-in-MAC and Aortic Valve-in-Valve Implantation – Benefits of Advanced Multimodality Imaging  
European Heart Journal of Cardiovascular Imaging (5.260)

Transcatheter edge-to-edge tricuspid repair for recurrence of valvular regurgitation after left ventricular assist device and tricuspid ring implantation.  
**Andreas M**, Russo M, Werner P, Schneider M, Wittmann F, Scherzer S, Mascherbauer J, Kocher A, Laufer G, Wiedemann D, Zimpfer D.  
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## Videos (n=3)

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Minimally Invasive Aortic Valve Replacement via Anterolateral Thoracotomy

Dominik Wiedemann, Thomas Haberl, Alfred Kocher, **Martin Andreas**, Guenther

Laufer

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## Reviews (n=6)

(IF 5.158)

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**Letters (n=8)****(IF 35.548)**

Rapid-Deployment Aortic Valves in a Small Aortic Root: Prosthesis-patient mismatch and pacemaker implantation

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**Andreas M**, Arzl P, Mitterbauer A, Ballarini NM, Kainz FM, Kocher A, Laufer G, Wolzt M.

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**Andreas M**, Zeitlinger M, Hutschala D.

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## Faculty

TEAM Meeting 2020  
PCR London Valves 2019  
ESCVS 2019  
EuroPCR 2019  
C3-Meeting 2019  
Edwards Aortic Valve Course 2018  
Mitral Valve Meeting Zurich 2018  
Focus Valve Meeting Innsbruck 2017  
MAM Zurich 2017

## Invited talks

Essential Learning: transeptal puncture for mitral interventions  
PCR LondonValves 2019

Intermediate-term outcome of 500 consecutive rapid-deployment surgical aortic valve procedures  
International Federation for Artificial Organs 2019 (Osaka, Japan)

Future-ability of surgeons in aortic valve disease  
International Federation for Artificial Organs 2019 (Osaka, Japan)

Current role of interventional mitral valve repair  
Focus Valve 2019

VIV – Outcome  
ÖKG 2019

VIV transcatheter procedures  
ESCVS 2019

Live-in-a-Box edge to edge repair  
DACH Herzinsuffizienz 2018

Etablierung des kardiovaskulären Hybrid OPs im AKH Wien  
Symposium für perioperative Medizin 2018

Prozessoptimierung im interdisziplinären Umfeld – Pearls and Pitfalls  
Symposium für perioperative Medizin 2018

Transcatheter Pacing - A new era for pacemaker therapy  
MVM 2018

Understanding surgical techniques: Pathophysiology and lesion types – mitral valve  
MVM 2018

Sutureless and rapid deployment aortic prosthesis: interventional glimpse in the surgical arena  
HeartLab 2017 – Zürich

Bipolar radiofrequency: The irrigated approach

MAM – Meeting 2017 – Zürich

Wires, Catheters and Balloons  
Focus Valve 2017

AKE/TAVI: Relevanz des „prosthesis-patient mismatch“  
Austrian Cardiology Meeting 2017 – Main Session

25 years of Ross operation: Outcome and lessons learned  
ESCVS – Congress 2017 - Thessaloniki

Let the data speak- Mitral valve surgery data on mitral valve replacement  
Mitral Valve Meeting 2017 - Zurich

Bypass surgery in patients with amputated legs - A case for endoscopic vein  
harvesting. Maquet Harvester Symposium 16.09.2016 - Rastatt

### **Book chapters**

Cannulation and cardiopulmonary bypass for minimal access aortic valve surgery  
Minimally Invasive Aortic Valve Surgery - Nova Science Publishers

## Abstracts

The Modified Atrial Well: A Trans-atrial Access For Off-pump Beating-heart Procedures Reconsidered For The Modern Age Of Cardiac Surgery  
ISMICS 2020

Preclinical Results of Innovative Transcatheter Mitral Prosthesis Specifically Designed to Maintain Physiological Left Ventricular Vortex Flow  
AATS 2020

Transcatheter edge-to-edge tricuspid repair for recurrence of valvular regurgitation after left ventricle assist device and tricuspid ring implantation  
LondonValves 2019

Early tricuspid annular reshaping with the MitraClip XTR device used to treat severe functional tricuspid regurgitation  
LondonValves 2019

The St Jude Prosthesis an outdated gold standard for mechanical valve replacement?

Markus REICHL, Tandis AREF, Jakob LICHTENEGGER, Alfred KOCHER, Günther LAUFER, Martin ANDREAS  
LondonValves 2019

ON-X Registry preliminary results on mechanical AVR and target INR 1.5 – 2.0  
Jakob LICHTENEGGER, Tandis AREF, Markus REICHL, Alfred KOCHER, Günther LAUFER, Martin ANDREAS  
LondonValves 2019

A patient specific realistic 3D-printed model to optimize TAVI procedures  
Marco Russo, Markus Königshofer, Paul Werner, Martin Stoiber, Christoph Gross, Alfred Kocher, Günther Laufer, Francesco Moscato, **Martin Andreas**  
Italian Congress of Cardiology

Incidence of malignancy in heart transplant recipients  
Christopher Guya, Kathrin Freystätter, Maja Nackenhorst, Renate Kain, Alexandra Kaider, Andreas Zuckermann, **Martin Andreas**  
Poster-Austrotransplant 2019

First report: new off-pump, echo guided tricuspid valve repair by automated sutured tricuspid annular plication via transatrial cannulation  
**Andreas** et. al. EACTS 2019

"Transcatheter implantation of the Tricento valve for severe tricuspid regurgitation - Advanced intraprocedural imaging in a challenging structural case"

Paul Werner, Marco Russo, Sabine Scherzer, Tandis Aref, Iuliana Coti, Julia Mascherbauer, Alfred Kocher, Guenther Laufer, **Martin Andreas**  
TCT Meeting 2019 in San Francisco.

Transcatheter edge-to-edge tricuspid repair for recurrence of valvular regurgitation after left ventricle assist device and tricuspid ring implantation



**Martin Andreas**, Marco Russo, Paul Werner, Matthias Schneider, Franziska Wittmann, Sabine Scherzer, Julia Mascherbauer, Alfred Kocher, Guenther Laufer, Dominik Wiedemann, Daniel Zimpfer  
London Valves 2019

Early tricuspid annular reshaping with the MitraClip XTR device used to treat severe functional tricuspid regurgitation  
Marco Russo, Robert Zilberszac, Paul Werner, Sabine Scherzer, Maurizio Taramasso, Michel Zuber, Julia Mascherbauer, **Martin Andreas**  
London Valves 2019

Hemodynamics Performance and Clinical Outcomes after Suturless and Rapid Deployment Aortic Valve Replacements for a Small Aortic Annulus  
Coti, **Andreas**. EACTS 2019

ADVANCED 3-DIMENSIONALLY ENGINEERED SIMULATION MODEL FOR AORTIC VALVE AND PROXIMAL AORTA PROCEDURES  
Russo, **Andreas**. EACTS 2019

Donor specific antibodies after fresh decellularized versus cryopreserved cellularized allograft implantation  
Coti, **Andreas**, EACTS 2019

Early results from a prospective European trial on decellularised allografts for aortic valve replacement – The ARISE Study  
Sarikouch et al, EACTS 2019

Systemic fluid status by bioelectrical impedance spectroscopy predicts outcome in patients undergoing transcatheter aortic valve replacement  
C. Nitsche, M. Koschutnik, A. Kammerlander, L. Sinnhuber, A. Eidenberger, N. Forutan, T. Poschner, **M. Andreas**, A. Anvari-Pirsch, C. Hengstenberg, J. Mascherbauer (Wien) – ÖKG 2019

Long-term clinical outcome in patients with hyperlipidemia and pacemakers: a single-center cohort study  
E. Hasimbegovic, C. Müller, A. Spannauer, F. Rauscha, H. Schmidinger, T. Pezawas, C. Schukro, M. Gwechenberger, C. Khazen, **M. Andreas**, G. Laufer, G. Stix, A. Anvari-Pirsch, T. Wrba, D. Traxler-Weidenauer, C. Hengstenberg, M. Pavone-Gyöngyösi, M. Riesenhuber (Wien) – ÖKG 2019

Prevalence of transthyretin and immunoglobulin light chain cardiac amyloidosis in patients undergoing transcatheter aortic valve replacement  
C. Nitsche, A. Kammerlander, M. Koschutnik, S. Aschauer, M. Schneider, G. Goliäsch, T. Poschner, J. Stiftinger, C. Binder, F. Duca, A. Anvari-Pirsch, **M. Andreas**, H. Agis, M. Hacker, D. Bonderman, C. Hengstenberg, J. Mascherbauer (Wien) – ÖKG 2019

The right heart in patients undergoing transcatheter aortic valve replacement: insights from cardiac magnetic resonance imaging  
M. Koschutnik, C. Nitsche, A. Kammerlander, S. Aschauer, G. Goliäsch, J. Siller-Matula, M.-P. Winter, **M. Andreas**, C. Loewe, C. Hengstenberg, J. Mascherbauer (Wien) – ÖKG 2019

Pacing threshold is influenced by cardiotoxic effects of anticancer therapies and predicts survival: A retrospective trial

M. Riesenhuber, A. Spannbaauer, F. Rauscha, H. Schmidinger, A. Boszotta, T. Pezawas, C. Schukro, M. Gwechenberger, G. Stix, A. Anvari, T. Wrba, C. Khazen, **M. Andreas**, G. Laufer, C. Hengstenberg, M. Gyöngyösi (Wien) – ÖKG 2019

16 years' experience of lead extractions: Does success depend on expertise?  
T. Aref, C. Khazen, F.-M. Kainz, T. Aschacher, G. Laufer, **M. Andreas** (Wien) – ÖKG 2019

ON-X Registry – preliminary results on mechanical AVR and target INR 1.5 – 2.0  
J. Lichtenegger, T. Aref, M. Reichl, A. Kocher, G. Laufer, **M. Andreas** (Wien) – ÖKG 2019

The St Jude Prosthesis – An outdated gold standard for mechanical valve replacement?  
M. Reichl, T. Aref, J. Lichtenegger, A. Kocher, G. Laufer, **M. Andreas** (Wien) – ÖKG 2019

Stereoscopic fluoroscopy: a new concept as imaging guidance in complex structural heart interventions (Poster) – EuroPCR 2019

The use of balloon catheter for caval protection during thrombus aspiration via AngioVac system under transoesophageal echocardiographic guidance (Oral - Russo) – EuroPCR 2019

Aortic valve-in-valve implantation requiring valve fracturing via a subclavian access- M. Russo. Usefulness of a 3D printing model to plan a new transcatheter heart valve system implantation (Oral – Russo) – EuroPCR 2019

Conduction Disturbances following Surgical Aortic Valve Replacement with a Rapid-Deployment Bioprosthesis  
Iuliana Coti, Christoph Schukro, Thomas Haberl, Fitim Drevinja, Dominik Wiedemann, Alfred Kocher, Guenther Laufer, **Martin Andreas**  
AATS Annual meeting 2019 - Toronto

Short-Term Outcome after Implantation of a Novel, Balloon Adjustable Mitral Annuloplasty Ring: Early Results of the OPTIMISE I Trial  
**Martin Andreas**, Paul Werner, Tandis Aref, Keziban Uyanik-Uenal, Iuliana Coti, Thomas Haberl, Alfred Kocher, Piergiorgio Tozzi, Guenther Laufer,  
Mitral Conclave 2019 – New York

Performance of Decellularized and Non-decellularized Cryopreserved Pulmonary Homografts Used for the Reconstruction of the Right Ventricular Outflow Tract in the Ross Procedure: a Comparison  
Claudia Oeser, Keziban Uyanik-Uenal, Guenther Laufer, Alfred Kocher, **Martin Andreas** HVS - 2019

What Is The Electrophysiological Mechanism Of De-novo Post Operative Atrial Fibrillation? Does It Impact Long-term Recurrence?  
ISMICS 2019

Procedural Characteristics And Outcome For Mini-sternotomy And Anterior Right Thoracotomy With Rapid Deployment Valves  
Andreas M et al., ISMICS 2019

Novel Mechanical Heart Valves: Hope or Burden?  
Aref, **Andreas**, HVS 2019

First-in-Man Trial of a novel, Balloon-adjustable Mitral Annuloplasty Ring  
**Andreas M**, Werner P, Coti I, Haberl P, Kocher A, Tozzi P, Laufer G  
STS TechCon 2019 (accepted)

Feasibility of Single Open Portal Transthoracic Access to the Right Atrium of a Beating Heart with Circulating Blood for Tricuspid Annuloplasty Band Placement  
**Andreas M**, Werner P, Kaiser P, Podesser B, Kocher A, Laufer G, Sauer J  
ANZSCTS 2018 (Oral)

Rapid-Deployment Aortic Valve in Patients with Small Aortic Root  
Coti I, **Andreas M**  
EACTS 2018 (Oral)

Live-in-a-Box: Adjustable mitral ring implantation  
**Andreas M**, Tozzi P  
EACTS 2018 (Oral)

Transcatheter aortic valve in ring procedure: a preclinical model  
Russo M, **Andreas M**, Kuwata S, Taramasso M, Wang C, Guidotti A, Regar E, Weber A, Maisano F.  
78<sup>th</sup> Congress of Italian Society of Cardiology. December 2017, Hotel Cavalieri Hilton, Rome.

Long-term Outcome of 500 Consecutive Rapid-Deployment Surgical Aortic Valve Procedures  
**Martin Andreas**, Iuliana Coti, Raphael Rosenhek, Shiva Shabanian, Stephane Mahr, Keziban Uyanik-Uenal, Dominik Wiedemann, Thomas Binder, Alfred Kocher, Guenther Laufer  
EACTS 2017 - Vienna

Mitral repair with adjustable ring annuloplasty  
**Martin Andreas**, Thomas Haberl, Paul Werner, Jani Guri, Iulia Coti, Alfred Kocher, Bruno Podesser, Guenther Laufer  
EACTS 2017 - Vienna

MICRA Implantation in the Presence of Venous Occlusion - A Case Report  
**Martin ANDREAS**, Tandis AREF, Cesar KHAZEN, Johannes KASTNER, Christoph SCHUKRO  
MICRA Summit 2017 - Milano

Early Preclinical Experience of Aortic Valve-In-Ring Procedure  
**Martin Andreas**  
TVT 2017 (Chicago)

Edwards Sapien XT Valve in degenerated Edwards Intuity Elite Valve System  
**Martin Andreas** MD, PhD, Alfred Kocher MD, PhD, Iuliana Coti MD, Johannes Kastner MD, PhD, Guenther Laufer MD, PhD.  
EuroPCR 2017

Impact Of Minimally Invasive Surgery By Rapid-deployment Aortic Valve Replacement

Iuliana Coti, MD, Stephane Mahr, MD, Alfred Kocher, MD PhD, **Martin Andreas**, MD PhD, Mislav Planinc, MD, Shiva Shabanian, PhD, Thomas Aschacher, MD, Thomas Haberl, MD, Guenther Laufer, MD PhD  
Poster, 2017 Annual Scientific Meeting ▪ 7-10 June 2017  
Rome Cavalieri ▪ Rome, Italy

Rapid-deployment Valve Is An Excellent Tool For Patients With Small Aortic Roots In Minimally Invasive Surgery  
Mislav Planinc, Iuliana Coti, Alfred Kocher, **Martin Andreas**, Stephane Mahr, Shiva Shabanian, Thomas Haberl, Thomas Aschacher, Marek Ehrlich, Dominik Wiedemann, Gunther Laufer.  
Poster, 2017 Annual Scientific Meeting ▪ 7-10 June 2017  
Rome Cavalieri ▪ Rome, Italy

Eine bisher unbeschriebene Mutation im MYH7 Gen bei zwei verwandten herztransplantierten Patienten mit familiärer dilatativer Kardiomyopathie: ein Case Report. Kathrin Freystaetter, **Martin Andreas**, Arezu Aliabadi, Keziban Uyanik-Uenal, Franco Laccone, Andreas Zuckermann  
Accepted AustroTransplant 2016

Novel truncating variant of the *TTN* gene associated with dilated cardiomyopathy in two unrelated cardiac allograft recipients: A case report.  
Kathrin Freystaetter, Andreas Zuckermann, Keziban Uyanik-Uenal, Arezu Aliabadi, Franco Laccone, **Martin Andreas**  
Accepted Poster, Best2016 – Transplant – Florida Nov 2016

Direct sternal administration of vancomycin and gentamicin during closure prevents wound infection  
**Martin Andreas**, Moritz Muckenhuber, Doris Hutschala, Alfred Kocher, Florian Thalhammer, Guenther Laufer, Tatjana Fleck  
ORAL - EACTS 2016

Heart-failure therapy after coronary artery bypass grafting in STICH eligible patients: survival benefit for mineralocorticoid receptor antagonists  
**M. Andreas**, R. Wurm, M. Huelsmann, M. Hienert, V. Seidl, D. Wiedemann, G. Laufer, A. Kocher, C. Adlbrecht  
Poster, ESC 2016

Single-centre experience with aortic valve reconstruction over the past 20 years  
**Martin Andreas**, Birgit Ermer, Alfred Kocher, Michael Hiesmayr, Guenther Laufer  
Moderated Poster, AVR Meeting Brussels 2016

AORTIC VALVE REPLACEMENT USING A RAPID DEPLOYMENT VALVE THROUGH ANTERIOR RIGHT THORACOTOMY: A SINGLE CENTER STUDY  
Stephane Mahr, **Martin Andreas**, Andreas Habertheuer, Martin Schauperl, Dominik Wiedemann, Alfred Kocher, Gunther Laufer. Medical University of Vienna, Vienna, Austria.  
Poster, ISMICS 2016

VKORC1 polymorphism is associated with aneurysms of the ascending aorta in an Austrian population  
**Martin Andreas**, Adelheid Panzenböck, Alfred Kocher, Christine Mannhalter, Adrian Petzl, Michael Wolzt, Marek Ehrlich, Irene Lang  
Poster - AATS Aortic Meeting (Kobe) 2015

Conventional versus rapid deployment aortic valve replacement: A single centre comparison between the Edwards Magna valve and its rapid deployment successor  
**M. Andreas**, S. Wallner, A. Habertheuer, T. Binder, R. Rosenhek, D. Wiedemann, A. Kocher, G. Laufer; Vienna  
Oral – EACTS 2015

Potential role of recipient's heme oxygenase-1 promoter region polymorphism in cardiac allograft vasculopathy  
**Martin Andreas**, Kathrin Freystätter, Martin Bilban, Alfred Kocher, Michael Wolzt, Andreas Zuckermann  
Oral – ESOT 2015

Tailoring experimental set-up to compare different technologies of valve prostheses  
Claudio Capelli, Claus Rath, Akash Pattani, Alfred Kocher, **Martin Andreas**, Silvia Schievano, and Gaetano Burriesci  
ESAO 2015 Leuven – September 2015

The value of preoperative computed chest tomography in the prevention of postoperative stroke following isolated aortic valve replacement  
Z. Arnold, J. L. Heidtmann, **M. Andreas**, A. Kocher, G. Laufer  
Oral – Chirurgenkongress 2015

Safety and feasibility of a new adjustable mitral annuloplasty ring: A multicenter European experience  
**M. Andreas**, A. Kocher, S. Livesey, M. Castella, F. Casselman, N. Doll, C. Bannister, D. Pereda, G. Laufer, M. Czesla  
Oral – EACTS 2014 (Milan)

Minimally Invasive late Adjustment of a dynamic Mitral Ring: Developing a Clinical Pathway towards a new Treatment Concept  
**M Andreas**, M Uy, C Rath, A Habertheuer, D Wiedemann, G Laufer, A Kocher  
Poster - ISMICS 2014 (Boston)

Comparable long-term results for porcine and pericardial aortic heart valves regarding survival: a single-center analysis of 585 isolated aortic valve replacements  
**M Andreas**, S Wallner, K Ruetzler, D Wiedemann, M Ehrlich, G Heinze, T Binder, A Moritz, M Hiesmayr, A Kocher, G Laufer  
Oral – Florida Valve International 2014

The Medtronic Mosaic porcine aortic heart valve has similar survival, reoperation rate and valve-related adverse events compared to the Edwards Magna aortic valve in a single center, real-world setting.  
**M. Andreas**, S. Wallner, D. Wiedemann, M. Ehrlich, K. Rützler, M. Hiesmayr, G. Laufer, A. Kocher (Wien) Chirurgenkongress 2013

Mini-thoracotomy for Sutureless-Rapid-Deployment Aortic Valve Replacement: Initial single center experience  
D. Wiedemann, A. Kocher, A. Vadehra, **M. Andreas**, T. Binder, R. Rosenhek, G. Laufer (Wien) Chirurgenkongress 2013

Endoscopic vein harvesting: Patient characteristics influencing its application  
**M. Andreas**, S. Stasek, D. Wiedemann, S. Kampf, G. Laufer, A. Kocher  
Poster – DGTHG 2013

Quality of preoperative medical therapy in CABG patients with heart failure

**M. Andreas**, M. Hienert, D. Wiedemann, R. Pacher, A. Kaider, G. Laufer, A. Kocher, C. Adlbrecht

Poster – DGTHG 2013

Survival benefit of the Ross procedure in young adults: A retrospective single-center analysis over 15 years

**M. Andreas**, D. Wiedemann, G. Seebacher, E. Reida, R. Rosenhek, A. Moritz, G. Laufer, A. Kocher

Oral – DGTHG 2013

Modification of experimental vein grafts by homologous transplantation of skeletal myoblasts

D. Wiedemann, E. Margreiter, C. Steger, N. Bonaros, R. Oberhuber, M. Stelzmüller, **M. Andreas**, G. Laufer, A. Kocher, T. Schachner

Oral – DGTHG 2013

Single center experience with a novel dynamic mitral ring

A Kocher, D Wiedemann, M Uy, T Binder, G Laufer, **M Andreas**

Oral presentation – Dallas Leipzig Valve Meeting 2012

Reduced target tissue penetration of standard antibiotic treatment in coronary artery bypass grafting using left internal mammary artery

**Andreas M**, Zeitlinger M, Hoferl M, Jaeger W, Zimpfer D, Hiesmayr JM, Laufer G, Hutschala D.

Oral presentation; STSA Meeting Naples, Florida 2012

A single center experience with the Ross procedure over 20 years

**M. Andreas**, G. Seebacher, E. Reida, D. Wiedemann, C. Pees, R. Rosenhek, A. Moritz, A. Kocher, Günther Laufer

THE ROSS SUMMIT V – Atlanta 2012

Heme arginate protects Skeletal Muscle against Ischemia Reperfusion Injury: A randomized, placebo controlled Trial in healthy Subjects

**Andreas M**, Schmid A, Doberer D, Schewzow K, Weisshaar S, Heinze G, Moser E, Wolzt M

Poster YSA Symposium 2012

Endoscopic vein harvesting: Short-term outcome regarding mortality and wound complications in a single center

**M. Andreas**, S. Stasek, D. Wiedemann, S. Kampf, G. Laufer, A. Kocher

Poster, Chirurgenkongress 2012

EDWARDS INTUITY SUTURELESS VALVES: TECHNICAL CONSIDERATIONS

A. Kocher, D. Wiedemann, A. Vadhra, M. Ehrlich, **M. Andreas**, W. Wisser, G. Laufer

Chirurgenkongress 2012

ENCORSQTM: A NOVEL APPROACH TO MITRAL VALVE REPAIR

A. Kocher, D. Wiedemann, A. Vadhra, M. Ehrlich, A. Kral, G. Laufer,

**M. Andreas**

Chirurgenkongress 2012

CHARACTERISTICS OF TAV- AND BAV-ASSOCIATED THORACIC AORTIC ANEURYSMS - SMOOTH MUSCLE CELL BIOLOGY, EXPRESSION PROFILING, AND HISTOLOGICAL ANALYSES

S. Blunder, B. Messner, T. Aschacher, I. Zeller, A. Türkcan, D. Wiedemann, **M. Andreas**, G. Blüscke, G. Laufer, T. Schachner, D. Bernhard  
Chirurgenkongress 2012

Simulation Training in Cardiac Surgery

**M Andreas**

Oral Presentation; Cardiac Surgery – Zürs 2012

The Medtronic 3830 SelectSecure pacing lead is safe and favorable in pediatric pacemaker patients

**M Andreas**, C Pees, D Wiedemann, S Kampf, I Michel-Behnke, A Kocher, C Khazen  
Poster, Cardiac Surgery – Zürs 2012

2000 patient years of follow up after the Ross Procedure in a single center

**M. Andreas**, G. Seebacher, E. Reida, D. Wiedemann, C. Pees, R. Rosenhek, A. Moritz, G. Laufer, A. Kocher

Oral Presentation DGTHG 2012

Aneurysmal thoracic aortic smooth muscle cells exhibit reduced proliferation, migration, metabolic activity, and telomere length, as well as an altered expression of OPN and TIMP3

St. Blunder, TH. Aschacher, I. Zeller, D. Wiedemann, **M. Andreas**, B. Messner, G. Plüscke, G. Laufer, Th. Schachner, D. Bernhard

Oral presentation 35<sup>th</sup> seminar of the Austrian Society of surgical research

Heme arginate protects Skeletal Muscle against Ischemia Reperfusion Injury: A randomized, placebo controlled Trial in healthy Subjects

**M Andreas**, AI Schmid, D Doberer, K Schewzow, S Weisshaar, G Heinze, M Bilban, E Moser, M Wolzt

Oral presentation, 35<sup>th</sup> seminar of the Austrian Society of surgical research

The Ross Procedure - an Institutional Report of 20 Years Experience

**M Andreas**, D Wiedemann, E Reida, A Vadehra, G Laufer, A Kocher

Poster Biennial Meeting Heart Valve Society 2011

Independent Component Analysis and Artefact Removal in Human Calf Muscle fMRI

Kriegl R, **Andreas M**, Wolzt M, Moser E, Schmid AI

Poster ESMRMB 2011

8.5cm aneurysm confined to the ascending aorta

**M Andreas**, D Wiedemann, S Kreuzer, A Kocher

March 2011, Cardiac Surgery – Zürs

Modeling the hyperemic response in skeletal muscle fMRI

Schewzow K, **Andreas M**, Moser E, Wolzt M, Schmid AI

Poster – ISMRM Congress 2011 - Montreal

Single Center Initial Clinical Experience with a Novel Rapid-Deployment System for Aortic Valve Replacement from Edwards Lifesciences.

A Kocher, D Wiedemann, **M Andreas**, A Vadehra, W Wisser, R Seitelberger, R Rosenhek, G Mundigler, G Laufer

ISMICS 2011

Muscular fMRI in ischemia-reperfusion injury is influenced by venous filling.

**Andreas M**, Schmid AI, Doberer D, Bartko J, Moser E, Wolzt M

Poster – EACPT Congress 2009 – Edinburgh

Assessment of limb ischemia reperfusion injury by blood oxygen level dependent (BOLD) functional MRI.

**Andreas M**, Schmid AI, Doberer D, Bartko J, Moser E, Wolzt M  
Poster - VFWF Symposium - Vienna

Re-establishment of normal blood flow is mandatory to restore intramuscular high energy phosphate levels after transient ischemia

**Andreas M**, Schmid AI, Doberer D, Meyerspeer M, Moser E, Roden M, Wolzt M  
Oral presentation - EPHAR Congress 2008 - Manchester

The effects of post-conditioning on intramuscular high energy phosphate levels

**Andreas M**, Schmid AI, Doberer D, Meyerspeer M, Moser E, Roden M, Wolzt M  
Oral presentation – Cardiovascular Research Days 2008, Weissensee

Pathogens associated with Acute Exacerbation of Chronic Bronchitis

**Andreas M**, Georgopoulos A  
(poster – PhD congress 2007, MUW)