

Pediatric Cardiovascular Medicine

Research Area: Pediatric Congenital Heart Disease

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Projects and Project Leaders:

„Inflammation and Stem Cell Markers in Pediatric Implants for Treatment of Congenital Heart Disease“

Project Leaders: Dr.med.univ. Erwin Kitzmüller; Univ.-Prof.Dr. Mariann Gyöngyösi; Ena Hašimbegović; MSc. Kathrin Zlabinger

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„Circulating and Myocardial miRNA - Novel Biomarkers in Pediatric Heart Failure“

Project Leaders: Dr.med.univ. Beatrice Kahl; Dr.med.univ. Matthias Michelitsch

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„Regenerative Therapies in Congenital Heart Disease and Pediatric Heart Failure“

Project Leaders: Dr.med.univ. Imre Pavo; Dr.med.univ. Julian Heno

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„Role of Noncoding RNA's in Congenital Heart Disease (Characterization of the Diseased and Failing Heart“

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„Cardiovascular Genetics and Sports in Marfan Patients“

Project Leaders: PD Dr. Christiane Pees; Dr.med.univ. Julian Heno

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„Endothelial Dysfunction in Patients with Univentricular and Biventricular Hearts“

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„Advanced Echocardiography as Surrogate for Long Term Outcome of Congenital Heart Defects“

Project Leaders: Dr.med.univ. Matthias Beichl; Dr.med.univ. Sabine Greil

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„Maternal Hyperoxygenation in Treatment of Fetal Borderline Left Ventricle“

Project Leader: Prof. Dr. med. Univ. Elisabeth Seidl-Mlczoch

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„Characterization and Treatment of Arrhythmia in Childhood“

Project Leaders: Prof. Dr. med. Univ. Manfred Marx; Dr.med.univ. Matthias Gass

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„Endothelial Dysfunction in Patients with Univentricular and Biventricular Hearts“

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„Post-Transplant Surveillance after Pediatric Heart Transplantation“

Project Leaders: Dr.med.univ. Sabine Greil; Dr.med.univ. Julian Heno

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Research Area: Applied Research in Pediatric Cardiac Surgery

Team Leader: Univ.-Prof. Priv.-Doz. Dr. MBA Daniel Zimpfer

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Projects and Project Leaders:

„Mechanical Circulatory Support of the Failing Fontan Circulation“

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„Development of a Centrifugal Blood Pump for Support of the Failing Fontan Circulation“

Project Leaders: Dr. Marcus Granegger; Dr.med.univ. Erhan Urganci

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„Development and Implementation of a Single Ventricle Animal Model“

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„Development of a Centrifugal Blood Pump for Support of Pediatric Patients with Terminal Heart Failure“

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„Patient Tailored Treatment of Congenital Aortic Valve Disease“

Project Leader: Dr.med.univ. Johanna Schlein

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„Ventricular Rehabilitation for Borderline Left Ventricles“

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„Evaluation of the Melody Valve for Hybrid AV-Valve Replacement“

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„Influence of Perfusion Techniques on Outcomes of Aortic Arch Surgery in Neonates and Infants“

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„Influence of Patch Material on PRA Development and Immunological Sensibilisation after Norwood Operations“

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„Clinical Evaluation of Biological Heart Valves as RV-PA Conduit“

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„3D Modelling of Pediatric Cardiac Surgery“

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„Modern Multiparametric Cardiac Imaging in Newborns and Infants“

**Project Leaders: Dr. Dietrich Beitzke; Dr.med.univ. Lukas Reider; Ao.Univ.-Prof.
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