

## Publikationsliste Dr. Moritz Mirna, Stand 09/22

### 2022:

Boxhammer, E; **Mirna, M**; Bäß, L; Alushi, B; Franz, M; Kretzschmar, D; Hoppe, UC; Lauten, A; Lichtenauer, M. *Comparison of PCWP and LVEDP Measurements in Patients with Severe Aortic Stenosis Undergoing TAVI-Same Same but Different?* J Clin Med. 2022; 11(11):  
PubMed ID: 35683367

Boxhammer, E; **Mirna, M**; Bäß, L; Bacher, N; Topf, A; Sipos, B; Franz, M; Kretzschmar, D; Hoppe, UC; Lauten, A; Lichtenauer, M. *Soluble ST2 as a Potential Biomarker for Risk Assessment of Pulmonary Hypertension in Patients Undergoing TAVR?* Life (Basel). 2022; 12(3):  
PubMed ID: 35330140

Boxhammer, E; Schmidbauer, L; **Mirna, M**; Paar, V; Hammerer, M; Hoppe, UC; Lichtenauer, M. *How Do Cardiovascular Biomarkers Behave in Patients with Severe Aortic Valve Stenosis with and without Echocardiographically Proven Pulmonary Hypertension?-A Retrospective Study of Biomarker Trends before and after Transcatheter Aortic Valve Replacement* APPL SCI-BASEL. 2022; 12(12): 5765

Jirak, P; Haertel, F; **Mirna, M**; Rezar, R; Lichtenauer, M; Paar, V; Motloch, LJ; Topf, A; Yilmaz, A; Hoppe, UC; Schulze, PC; Nuding, S; Werdan, K; Kretzschmar, D; Pistulli, R; Ebel, H. *A Comparative Analysis of Novel Biomarkers in Sepsis and Cardiovascular Disease* APPL SCI-BASEL. 2022; 12(3): 1419

Jirak, P; **Mirna, M**; Rezar, R; Motloch, LJ; Lichtenauer, M; Jordan, J; Binneboessel, S; Tank, J; Limper, U; Jung, C. *How spaceflight challenges human cardiovascular health.* Eur J Prev Cardiol. 2022; 29(10):1399-1411  
PubMed ID: 35148376

Jirak, P; **Mirna, M**; Van Almsick, V; Shomanova, Z; Mahringer, M; Lichtenauer, M; Kopp, K; Topf, A; Sieg, F; Kraus, J; Gharibeh, SX; Hoppe, UC; Fiedler, L; Larbig, R; Pistulli, R; Motloch, LJ; Dieplinger, AM. *Gender-Specific Differences in the Intensive Care Treatment of COVID-19 Patients.* J Pers Med. 2022; 12(5):  
PubMed ID: 35629271

Jirak, P; van Almsick, V; Dimitroulis, D; **Mirna, M**; Seelmaier, C; Shomanova, Z; Wernly, B; Semo, D; Dankl, D; Mahringer, M; Lichtenauer, M; Hoppe, UC; Reinecke, H; Pistulli, R; Larbig, R; Motloch, LJ. *Dexamethasone Improves Cardiovascular Outcomes in Critically Ill COVID-19, a Real World Scenario Multicenter Analysis.* Front Med (Lausanne). 2022; 9:808221  
PubMed ID: 35186995

**Mirna, M**; Paar, V; Topf, A; Kraus, T; Sotlar, K; Aigner, A; Ewe, A; Watzinger, S; Podesser, BK; Hackl, M; Pistulli, R; Hoppe, UC; Kiss, A; Lichtenauer, M. *A new player in the game: treatment with antagomiR-21a-5p significantly attenuates histological and echocardiographic effects of experimental autoimmune myocarditis.* Cardiovasc Res. 2022; 118(2):556-572  
PubMed ID: 33483746

**Mirna, M**; Schmutzler, L; Topf, A; Boxhammer, E; Sipos, B; Hoppe, UC; Lichtenauer, M. *Treatment with Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Does Not Affect Outcome in*

*Patients with Acute Myocarditis or Myopericarditis.* J Cardiovasc Dev Dis. 2022; 9(2):  
PubMed ID: 35200686

**Mirna, M;** Schmutzler, L; Topf, A; Sipos, B; Hehenwarter, L; Hoppe, UC; Lichtenauer, M;  
2022. *A Novel Clinical Score for Differential Diagnosis Between Acute Myocarditis and Acute  
Coronary Syndrome - The SALzburg MYocarditis (SAMY) Score.* Front Med (Lausanne). 2022;  
9:875682

PubMed ID: 35755032

**Mirna, M;** Schmutzler, L; Vogl, F; Topf, A; Hoppe, UC; Lichtenauer, M. *Tei Index Is a  
Useful Adjunctive Tool in the Diagnostic Workup of Patients with Acute Myocarditis.* J  
Cardiovasc Dev Dis. 2022; 9(8):

PubMed ID: 36005447

Motloch, LJ; Jirak, P; **Mirna, M;** Fiedler, L; Davtyan, PA; Lakman, IA; Gareeva, DF; Tyurin,  
AV; Gumerov, RM; Matskeplishvili, ST; Pavlov, VN; Cai, BZ; Kopp, K; Topf, A; Hoppe,  
UC; Pistulli, R; Zagidullin, NS. *Early antithrombotic post-discharge therapy using  
prophylactic DOAC or dipyridamole improves long-term survival and cardiovascular  
outcomes in hospitalized COVID-19 survivors.* FRONT CARDIOVASC MED. 2022; 9:  
916156

PubMed ID: 35966512

Schmutzler, L; **Mirna, M;** Hoppe, UC; Lichtenauer, M. *From Streptococcal  
Pharyngitis/Tonsillitis to Myocarditis: A Systematic Review.* J Cardiovasc Dev Dis. 2022;  
9(6):

PubMed ID: 35735799

Topf, A; **Mirna, M;** Bacher, N; Schmutzler, L; Jirak, P; Ohnewein, B; Hoppe, UC;  
Lichtenauer, M. *Differences of Hemogram Parameters and Their Ratios among Patients with  
Takotsubo Syndrome, Acute Coronary Syndrome and Healthy Individuals.* Life (Basel). 2022;  
12(6):

PubMed ID: 35743819

Topf, A; **Mirna, M;** Dienhart, C; Jirak, P; Bacher, N; Boxhammer, E; Gharibeh, SX; Motloch,  
LJ; Hoppe, UC; Lichtenauer, M. *Pretreatment with Betablockers, a Potential Predictor of  
Adverse Cardiovascular Events in Takotsubo Syndrome.* Biomedicines. 2022; 10(2):

PubMed ID: 35203673

Topf, A; **Mirna, M;** Paar, V; Motloch, LJ; Bacher, N; Franz, M; Hoppe, UC; Kretzschmar, D;  
Lichtenauer, M. *Differential Diagnosis between Takotsubo Syndrome and Acute Coronary  
Syndrome-A Prospective Analysis of Novel Cardiovascular Biomarkers for a More Selective  
Triage.* J Clin Med. 2022; 11(11):

PubMed ID: 35683362

Topf, A; **Mirna, M;** Paar, V; Motloch, LJ; Grueninger, J; Christiane, D; Schulze, PC; Brandt,  
MC; Larbig, R; Hoppe, UC; Kretzschmar, D; Lichtenauer, M. *The differential diagnostic  
value of selected cardiovascular biomarkers in Takotsubo syndrome.* Clin Res Cardiol. 2022;  
111(2):197-206

PubMed ID: 34727211

## **2021:**

Jirak, P; Shomanova, Z; Larbig, R; Dankl, D; Frank, N; Seelmaier, C; Butkiene, D;  
Lichtenauer, M; **Mirna, M;** Strohmmer, B; Sackarnd, J; Hoppe, UC; Sindermann, J; Reinecke,  
H; Frommeyer, G; Motloch, LJ; Pistulli, R. *Higher Incidence of Stroke in Severe COVID-19 Is  
Not Associated With a Higher Burden of Arrhythmias: Comparison With Other Types of  
Severe Pneumonia.* Front Cardiovasc Med. 2021; 8: 763827

PubMed ID: 34901224

Mangold, A; Ondracek, AS; Hofbauer, TM; Artner, T; Nechvile, J; Panagiotides, NG; **Mirna, M**; Hammerer, M; Fejzic, D; Hoppe, U; Wernly, B; Lauten, A; Alushi, B; Franz, M; Schulze, PC; Wohlschläger-Krenn, E; Lang, IM; Lichtenauer, M. *Deoxyribonuclease is prognostic in patients undergoing transcatheter aortic valve replacement*. Eur J Clin Invest. 2021; 51(11):e13595

PubMed ID: 34101826

**Mirna, M**; Holnthoner, M; Topf, A; Jirak, P; Fejzic, D; Paar, V; Kellermair, J; Blessberger, H; Reiter, C; Kammler, J; Motloch, LJ; Jung, C; Kretzschmar, D; Franz, M; Alushi, B; Lauten, A; Hoppe, UC; Steinwender, C; Lichtenauer, M. *Tumor necrosis factor alpha-an underestimated risk predictor in patients undergoing transcatheter aortic valve replacement (TAVR)?* J Clin Lab Anal. 2021; 35(11): e23977

PubMed ID: 34562276

**Mirna, M**; Lauten, A; Jirak, P; Rezar, R; Wernly, B; Paar, V; Felder, TK; Hoppe, UC; Motloch, LJ; Jung, C; Alushi, B; Lichtenauer, M; Salmhofer, H. *Serum levels of C-terminal FGF23 (cFGF23) are associated with 1-year-mortality in patients undergoing transcatheter aortic valve replacement (TAVR)*. Eur J Intern Med. 2021; 85:98-107

PubMed ID: 33191056

**Mirna, M**; Schmutzler, L; Topf, A; Hoppe, UC; Lichtenauer, M. *Biological Sex and Its Impact on Clinical Characteristics in Patients Presenting with Myocarditis*. Med Princ Pract. 2021; 31(1):74-82

PubMed ID: 34763343

**Mirna, M**; Schmutzler, L; Topf, A; Hoppe, UC; Lichtenauer, M. *Neutrophil-to-lymphocyte ratio and monocyte-to-lymphocyte ratio predict length of hospital stay in myocarditis*. Sci Rep. 2021; 11(1): 18101

PubMed ID: 34518607

**Mirna, M**; Topf, A; Schmutzler, L; Hoppe, UC; Lichtenauer, M. *Time to abandon ampicillin plus gentamicin in favour of ampicillin plus ceftriaxone in Enterococcus faecalis infective endocarditis? A meta-analysis of comparative trials*. Clin Res Cardiol. 2021;

PubMed ID: 34751788

Sipos, B; Jirak, P; Paar, V; Rezar, R; **Mirna, M**; Kopp, K; Hoppe, UC; Berezin, AE; Lichtenauer, M. *Promising Novel Biomarkers in Cardiovascular Diseases*. APPL SCI-BASEL. 2021; 11(8): 3654

Topf, A; Bacher, N; Kopp, K; **Mirna, M**; Larbig, R; Brandt, MC; Kraus, J; Hoppe, UC; Motloch, LJ; Lichtenauer, M. *Management of Implantable Cardioverter-Defibrillators during Pregnancy-A Systematic Review*. J Clin Med. 2021; 10(8):

PubMed ID: 33919684

Topf, A; **Mirna, M**; Bacher, N; Paar, V; Edlinger, C; Motloch, LJ; Gharibeh, S; Bannehr, M; Hoppe, UC; Lichtenauer, M. *The Value of Fetuin-A as a Predictor to Identify Takotsubo Patients at Risk of Cardiovascular Events*. J Cardiovasc Dev Dis. 2021; 8(10):

PubMed ID: 34677196

Topf, A; **Mirna, M**; Bacher, N; Paar, V; Motloch, LJ; Ohnewein, B; Larbig, R; Grueninger, J; Hoppe, UC; Lichtenauer, M; Pistulli, R. *Analysis of Selected Cardiovascular Biomarkers in Takotsubo Cardiomyopathy and the Most Frequent Cardiomyopathies*. Front Cardiovasc Med. 2021; 8: 700169

PubMed ID: 34805296

Topf, A; **Mirna, M**; Paar, V; Motloch, LJ; Grueninger, J; Dienhart, C; Schulze, PC; Brandt, MC; Larbig, R; Hoppe, UC; Kretzschmar, D; Lichtenauer, M. *The differential diagnostic value of selected cardiovascular biomarkers in Takotsubo syndrome*. CLIN RES CARDIOL.

2021;

*PubMed ID: 34854992*

Topf, A; Paar, V; Grueninger, J; Wernly, B; Kopp, K; Weber, T; Schernthaner, C; **Mirna, M**; Gharibeh, SX; Larbig, R; Pistulli, R; Hoppe, UC; Lichtenauer, M; Motloch, LJ; Brandt, MC. *sST2 Predicts Short Term Therapy Success in Patients with Therapy Resistant Hypertension after Renal Sympathetic Denervation*. APPL SCI-BASEL. 2021; 11(23): 11130

Topf, A; Pleininger, T; Motloch, LJ; **Mirna, M**; Kopp, K; Lichtenauer, M; Hoppe, UC; Salmhofer, H. *Subcutaneous administration of levothyroxine: a novel approach to refractory hypothyroidism - A review and a case report*. Arch Endocrinol Metab. 2021; 65(5):664-668  
*PubMed ID: 33844895*

## **2020:**

Jirak, P; **Mirna, M**; Wernly, B; Paar, V; Hoppe, UC; Lichtenauer, M. *Assessment of Cardiac Remodeling-A Chance for Novel Cardiac Biomarkers?* J Clin Med. 2020; 9(7):  
*PubMed ID: 32635167*

**Mirna, M**; Bimpong-Buta, NY; Hoffmann, F; Abusamrah, T; Knost, T; Sander, O; Hew, YM; Lichtenauer, M; Muessig, JM; Bruno, RR; Kelm, M; Zange, J; Wilhelm, J; Limper, U; Jordan, J; Tank, J; Jung, C. *Exposure to acute normobaric hypoxia results in adaptations of both the macro- and microcirculatory system*. Sci Rep. 2020; 10(1):20938  
*PubMed ID: 33262355*

**Mirna, M**; Lichtenauer, M; Wernly, B; Paar, V; Jung, C; Kretzschmar, D; Uhlemann, M; Franz, M; Hoppe, UC; Schulze, PC; Hilberg, T; Adams, V; Sponder, M; Möbius-Winkler, S. *Novel cardiovascular biomarkers in patients with cardiovascular diseases undergoing intensive physical exercise*. Panminerva Med. 2020; 62(3):135-142  
*PubMed ID: 32309918*

**Mirna, M**; Rohm, I; Jirak, P; Wernly, B; Bäß, L; Paar, V; Kretzschmar, D; Hoppe, UC; Schulze, PC; Lichtenauer, M; Jung, C; Franz, M. *Analysis of Novel Cardiovascular Biomarkers in Patients With Pulmonary Hypertension (PH)*. Heart Lung Circ. 2020; 29(3):337-344  
*PubMed ID: 31327702*

**Mirna, M**; Topf, A; Wernly, B; Rezar, R; Paar, V; Jung, C; Salmhofer, H; Kopp, K; Hoppe, UC; Schulze, PC; Kretzschmar, D; Schneider, MP; Schultheiss, UT; Sommerer, C; Paul, K; Wolf, G; Lichtenauer, M; Busch, M. *Novel Biomarkers in Patients with Chronic Kidney Disease: An Analysis of Patients Enrolled in the GCKD-Study*. J Clin Med. 2020; 9(3):  
*PubMed ID: 32213894*

**Mirna, M**; Wernly, B; Eder, S; Lichtenauer, M; Prinz, E; Wintersteller, W; Jung, C; Hoppe, U; Hammerer, M. *Transcatheter aortic valve implantation without prior balloon valvuloplasty is associated with less pronounced markers of myocardial injury*. J Cardiovasc Surg (Torino). 2020; 61(2):243-249  
*PubMed ID: 30303343*

Topf, A; **Mirna, M**; Ohnewein, B; Jirak, P; Kopp, K; Fejzic, D; Haslinger, M; Motloch, LJ; Hoppe, UC; Berezin, A; Lichtenauer, M. *The Diagnostic and Therapeutic Value of Multimarker Analysis in Heart Failure. An Approach to Biomarker-Targeted Therapy*. Front Cardiovasc Med. 2020; 7:579567  
*PubMed ID: 33344515*

Topf, A; Motloch, LJ; Kraus, J; Danmayr, F; **Mirna, M**; Schernthaner, C; Hoppe, UC; Strohmer, B. *Exercise-related T-wave oversensing: an underestimated cause of reduced exercise capacity in a pacemaker-dependent patient-a case report and review of the literature*.

J Interv Card Electrophysiol. 2020; 59(1):6-70  
PubMed ID: 31974858

Wernly, B; Heramvand, N; **Mirna, M**; Kelm, M; Lichtenauer, M; Dudzinski, D; Jung, C. *Testing House of Gods Law VII: Was the Fat Man Right?* J Intensive Care Med. 2020; 35(10):-1142  
PubMed ID: 32602394

Wernly, B; **Mirna, M**; Jirak, P; Kopp, K; Berezin, AE; Lichtenauer, M. *Serendipity and thinking outside the box in cardiovascular research.* AME MEDICAL JOURNAL. 2020;

## **2019:**

Jirak, P; Stechemesser, L; Moré, E; Franzen, M; Topf, A; **Mirna, M**; Paar, V; Pistulli, R; Kretzschmar, D; Wernly, B; Hoppe, UC; Lichtenauer, M; Salmhofer, H. *Clinical implications of fetuin-A.* Adv Clin Chem. 2019; 89: 79-130.  
PubMed ID: 30797472

Lichtenauer, M; Pichler, T; Eder, S; **Mirna, M**; Magnes, T; Wernly, B; Paar, V; Jung, C; Prinz, E; Seitelberger, R; Hoppe, UC. *Carcinoid heart disease involving the left heart: a case report and biomarker analysis.* ESC Heart Fail. 2019; 6(1): 222-227.  
PubMed ID: 30620449

**Mirna, M**; Lichtenauer, M. *Response to Letter to the Editor Analysis of Novel Cardiovascular Biomarkers in Patients With Pulmonary Hypertension (PH).* Heart Lung Circ. 2019; 28(11):e149-e150  
PubMed ID: 31627829

**Mirna, M**; Lichtenauer, M; Theurl, T; Ausserwinkler, M; Topf, A; Westphal, T; Gampenrieder, SP; Pretsch, I; Greil, R; Hoppe, UC. *Transcatheter aortic valve implantation in a patient with suspected hereditary von Willebrand disease and severe gastrointestinal bleeding - a case report.* Scott Med J. 2019; 64(4):142-147  
PubMed ID: 31324129

**Mirna, M**; Paar, V; Kraus, T; Sotlar, K; Wernly, B; Pistulli, R; Hoppe, UC; Lichtenauer, M. *Autoimmune myocarditis is not associated with left ventricular systolic dysfunction.* Eur J Clin Invest. 2019; 49(8): e13132  
PubMed ID: 31125424

**Mirna, M**; Paar, V; Rezar, R; Topf, A; Eber, M; Hoppe, UC; Lichtenauer, M; Jung, C. *MicroRNAs in Inflammatory Heart Diseases and Sepsis-Induced Cardiac Dysfunction: A Potential Scope for the Future?* Cells. 2019; 8(11):  
PubMed ID: 31671621

Wernly, B; **Mirna, M**; Rezar, R; Prodinger, C; Jung, C; Podesser, BK; Kiss, A; Hoppe, UC; Lichtenauer, M. *Regenerative Cardiovascular Therapies: Stem Cells and Beyond.* Int J Mol Sci. 2019; 20(6):  
PubMed ID: 30901815

## **2018:**

Jirak, P; **Mirna, M**; Wernly, B; Paar, V; Thieme, M; Betge, S; Franz, M; Hoppe, U; Lauten, A; Kammler, J; Schulze, PC; Lichtenauer, M; Kretzschmar, D. *Analysis of novel cardiovascular biomarkers in patients with peripheral artery disease.* Minerva Med. 2018; 109(6):443-450  
PubMed ID: 29652038

**Mirna, M;** Wernly, B; Paar, V; Jung, C; Jirak, P; Figulla, HR; Kretzschmar, D; Franz, M; Hoppe, U; Lichtenauer, PM; Lauten, A. *Multi-biomarker analysis in patients after transcatheter aortic valve implantation (TAVI)*. *Biomarkers*. 2018; 23(8): 773-780.  
*PubMed ID: 30041555*