

9. Atherothrombosis Winterschool der AG19 in Würzburg

Programm:

Freitag, 10. Januar 2025

12:30 - 13:00	Registrierung
13:00 - 13:10	Begrüßung und Eröffnung (Hochholzer / Olivier / Kille)
13:10 - 14:30	Vortragssitzung 1: Thrombozyten, Hämostaseologie und Inflammation Vorsitz: Hochholzer / Wolf (10min Vortrag + 5min Diskussion)
13:10 - 13:25	Ageing platelets shift their thrombotic properties to inflammatory functions (Anjum)
13:25 - 13:40	Mitochondrial oxidative stress drives macrophage plasticity in atherosclerosis (Bocconi)
13:40 - 13:55	Influence of sepsis on platelet calcium signalling in relation to proinflammatory potential of dysregulated platelets (Oberholz)
13:55 - 14:10	Association of oxidized phospholipids with platelet activation and reactivity and long-term cardiovascular outcomes (Hermann)
14:10 - 14:25	Association of gut microbiota dependent metabolites TMAO and indoxyl sulfate with various phenotypes of cardiovascular disease (Dizdarevic)
14:30 - 15:00	Pause und Gruppenfoto
15:00 - 16:00	Postersession 1 Vorsitz Gruppe A: Nührenberg / Rühl Vorsitz Gruppe B: Hohensinner / Reda (7min Vortrag + 3min Diskussion)
Gruppe A	Platelet subfractions significantly differ in STEMI patients depending on angiographic findings (Henes) Oxidized phospholipids on plasminogen influence platelet activation and reactivity (Vömel) An In Vitro Assay To Study Platelet Migration Using RGD-functionalized Avidin-biotin Tethers (Fan) aPL-like antibodies promote platelet activation in Post-COVID syndrome (Stockhausen) Persistent vascular inflammation after coronavirus infection resolution in a mouse model and in human patients (Salzmann)
Gruppe B	Procoagulant platelet activation promotes venous thrombosis (Mulkers) Hemostatic Profiling of Patients after Pulmonary Embolism to predict success of different therapy options (Messaoudi) Sustained elevation of Neutrophil NLRP3 (Nucleotide-Binding Domain-Like Receptor Protein 3) expression in ST-segment myocardial infarction (Häßner) Oxidative stress in mutated neutrophils fosters thrombopoiesis in Jak2VF clonal hematopoiesis driven atherosclerosis (Pircher) Platelet-Platelet and Platelet-Leukocyte Aggregates Analysed by Digital Holographic Microscopy as a Promising Tool for Monitoring Platelet Activation - Preanalytical Considerations (Schernthaler)
16:00 - 16:15	Pause

16:15 - 17:45	Vortragssitzung 2: Abseits von Labor und Daten Vorsitz: Olivier / Petzold
16:15 - 16:45	Planung der ersten Studie. Tipps und Fallstricke! (Polzin)
16:45 - 17:15	Kardiologie in der A, CH und D, alles das gleiche?
17:15 - 17:45	Geschlechterunterschiede in der Kardiologie, was müssen wir wissen? (Siller-Matulia)
17:45 - 18:00	Tagesabschluss
18:00 - 19:30	Fachdiskussion beim gemeinsamen Abendessen
19:30	Treff den Experten bei Wein (optionale Veranstaltung)

Samstag, 11. Januar 2024

08:30 - 09:30	Postersession 2 Vorsitz Gruppe A: Polzin / Kille Vorsitz Gruppe A: Wild / Wessinger (7min Vortrag + 3min Diskussion)
Gruppe A	Photon-Counting Detector Computed Tomography Demasks Increased Rates of Subclinical Hypoattenuating Leaflet Thickening after Transcatheter Aortic Valve Replacement (Hölzle) Hemostatic mechanisms of hypoattenuated leaflet thickening in patients undergoing transcatheter aortic valve replacement (Teegelbekkers) One-year Mortality after TAVR: Patient Baseline Characteristics affect Prognosis. A project of the BaWü Heart Alliance (Appenzeller) Course of Pulmonary Artery Pressure in association with Reverse Cardiac Remodeling following percutaneous Transcatheter Aortic Valve Replacement. A project of the BaWü Heart Alliance (Appenzeller) Fibrin clot strength predicts major adverse cardiac events after transcatheter aortic valve replacement (Hesselbarth)
Gruppe B	Residual mitral regurgitation after transcatheter edge-to-edge repair drastically affects one-year mortality of patients with severe mitral regurgitation. A project of the BaWü Heart Alliance. (Toskas) M-TEER over time: A retrospective on aetiology, comorbidities, procedural success and outcomes. A project of the BaWü Heart Alliance (Toskas) Impact of Direct Oral Anticoagulants on Target Lesion Revascularization Rates in Patients with Chronic Coronary Syndrome (Skos) Plasma metabolomic profiling of patients with acute coronary syndrome treated with potent platelet inhibitors (Rogozarski) Decreased platelet aggregation and platelet-derived cytokine levels mitigate progressive metabolic dysfunction-associated fatty liver disease (Harm)
09:30 - 10:00	Pause (Zeit für den Checkout)
10:00 - 11:30	Vortragssitzung 3: Vom Labor in die Klinik: Neue Aspekte Vorsitz: Siller-Matulia / Polzin (10min Vortrag + 5min Diskussion)
10:00 - 10:15	A shift in the platelet lipidome affects platelet differentiation into distinct subfractions in patients with acute pulmonary embolism (Henes)

10:15 - 10:30	Inzidenz, antithrombotische Strategien und Verlauf linksventrikulärer Thromben nach Myokardinfarkt – eine retrospektive monozentrische Analyse (Blank)
10:30 - 10:45	Plasma chemokines indicate enhanced bleeding in patients with chronic coronary syndrome undergoing percutaneous coronary stenting (Harm)
10:45 - 11:00	Thromboinflammation is associated with clinical outcome after ST-elevation myocardial infarction (Ehreiser)
11:00 - 11:15	Impaired Platelet Function and Increased Inflammation Following Transcatheter Aortic Valve Implantation (Hölzle)
11:15 - 11:30	
11:30 - 12:00	Pause
12:00 - 12:15	Preisverleihung, Feedback und Schlusswort (Hochholzer / Olivier / Kille)
12:15	Mittagessen mit wissenschaftlichem Veranstaltungsrückblick

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Program:

Friday, January 10th 2024

12:30 - 13:00	Registration
13:00 - 13:10	Opening (Hochholzer / Olivier / Kille)
13:10 - 14:30	Lecture session 1: platelets, hemostaseology and inflammation Chair: Hochholzer / Wolf (10min talk + 5min discussion)
13:10 - 13:25	Ageing platelets shift their thrombotic properties to inflammatory functions (Anjum)
13:25 - 13:40	Mitochondrial oxidative stress drives macrophage plasticity in atherosclerosis (Boccuni)
13:40 - 13:55	Influence of sepsis on platelet calcium signalling in relation to proinflammatory potential of dysregulated platelets (Oberholz)
13:55 - 14:10	Association of oxidized phospholipids with platelet activation and reactivity and long-term cardiovascular outcomes (Hermann)
14:10 - 14:25	Association of gut microbiota dependent metabolites TMAO and indoxyl sulfate with various phenotypes of cardiovascular disease (Dizdarevic)
14:30 - 15:00	Break and group photo
15:00 - 16:00	Poster session 1 Chair group A: Nührenberg / Rühl Chair group B: Hohensinner / Reda (7min talk + 3min discussion)
Group A	Platelet subfractions significantly differ in STEMI patients depending on angiographic findings (Henes) Oxidized phospholipids on plasminogen influence platelet activation and reactivity (Vömel) An In Vitro Assay To Study Platelet Migration Using RGD-functionalized Avidin-biotin Tethers (Fan) aPL-like antibodies promote platelet activation in Post-COVID syndrome (Stockhausen) Persistent vascular inflammation after coronavirus infection resolution in a mouse model and in human patients (Salzmann)
Group B	Procoagulant platelet activation promotes venous thrombosis (Mulkers) Hemostatic Profiling of Patients after Pulmonary Embolism to predict success of different therapy options (Messaoudi) Sustained elevation of Neutrophil NLRP3 (Nucleotide-Binding Domain-Like Receptor Protein 3) expression in ST-segment myocardial infarction (Häßner) Oxidative stress in mutated neutrophils fosters thrombopoiesis in Jak2VF clonal hematopoiesis driven atherosclerosis (Pircher) Platelet-Platelet and Platelet-Leukocyte Aggregates Analysed by Digital Holographic Microscopy as a Promising Tool for Monitoring Platelet Activation - Preanalytical Considerations (Scherthner)
16:00 - 16:15	Break

16:15 - 17:45	Lecture session 2: Beside bench and data Chair: Olivier / Petzold
16:15 - 16:45	Establishing your first study. Tricks and pitfalls!
16:45 - 17:15	Cardiology in A, CH and D, all the same?
17:15 - 17:45	Gender differences in cardiology, what do we need to know?
17:45 - 18:00	Closing
18:00 - 19:30	Scientific discussion with dinner
19:30	Meet the expert at wine. (Optional event)

Saturday, January 11th 2024

08:30 - 09:30	Poster session 2 Chair Group A: Polzin / Kille Chair Group B: Wild / Wessinger (7min talk + 3min discussion)
Group A	Photon-Counting Detector Computed Tomography Demasks Increased Rates of Subclinical Hypoattenuating Leaflet Thickening after Transcatheter Aortic Valve Replacement (Hölzle) Hemostatic mechanisms of hypoattenuated leaflet thickening in patients undergoing transcatheter aortic valve replacement (Teegelbekkers) One-year Mortality after TAVR: Patient Baseline Characteristics affect Prognosis. A project of the BaWü Heart Alliance (Appenzeller) Course of Pulmonary Artery Pressure in association with Reverse Cardiac Remodeling following percutaneous Transcatheter Aortic Valve Replacement. A project of the BaWü Heart Alliance (Appenzeller) Fibrin clot strength predicts major adverse cardiac events after transcatheter aortic valve replacement (Hesselbarth)
Group B	Residual mitral regurgitation after transcatheter edge-to-edge repair drastically affects one-year mortality of patients with severe mitral regurgitation. A project of the BaWü Heart Alliance. (Toskas) M-TEER over time: A retrospective on aetiology, comorbidities, procedural success and outcomes. A project of the BaWü Heart Alliance (Toskas) Impact of Direct Oral Anticoagulants on Target Lesion Revascularization Rates in Patients with Chronic Coronary Syndrome (Skos) Plasma metabolomic profiling of patients with acute coronary syndrome treated with potent platelet inhibitors (Rogozarski) Decreased platelet aggregation and platelet-derived cytokine levels mitigate progressive metabolic dysfunction-associated fatty liver disease (Harm)
09:30 - 10:00	Break (time to check out)
10:00 - 11:30	Lecture session 3: From bench to clinic: New aspects Chair: Siller-Matulia / Polzin (10min talk + 5min discussion)
10:00 - 10:15	A shift in the platelet lipidome affects platelet differentiation into distinct subfractions in patients with acute pulmonary embolism (Henes)
10:15 - 10:30	Inzidenz, antithrombotische Strategien und Verlauf linksventrikulärer Thromben nach Myokardinfarkt – eine retrospektive monozentrische Analyse (Blank)

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11:15 - 11:30	
11:30 - 12:00	Break
12:00 - 12:15	Award, Feedback and Closing (Hochholzer / Olivier / Kille)
12:15	Lunch and scientific event review