

CURRICULUM VITAE

Dr. med. univ. Thomas Nestelberger

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EDUCATION AND HIGHER EDUCATION

2006 – 2013 Medical University Graz, Austria, medical studies
1997 – 2005 Bundesrealgymnasium Fürstenfeld, Austria, High School
1994 – 1997 Volksschule Söchau, Austria, Elementary School

WORK EXPERIENCE / CLINICAL CLERKSHIPS

Since 07/2017 University Hospital Basel, Switzerland
Cardiology Resident, Prof. Stefan Osswald

01/2016 – 06/2017 University Hospital Basel, Switzerland
Internal Medicine Resident, Prof. Stefano Bassetti

01 - 12/2015 University Hospital Basel, Switzerland
Research fellowship in Cardiovascular Research, Prof. Christian Müller

09 – 12/2014 University Hospital Basel, Switzerland
Internal Medicine Resident, Prof. Jörg Schifferli

04 – 06/2014 Clinical Hospital Graz West, Austria
Generalist Resident in Internal Medicine, PD Herbert Wurzer

12/2013 – 03/2014 Clinical Hospital Bruck/Mur, Austria
Generalist Resident in Surgery, Dr. Siegfried Schrittwieser

06– 11/2013 Trauma Hospital Graz, Austria
Generalist Resident in Traumatology, Prof. Wolfgang Grechenig

02 – 03/2012 Vivantes Klinikum Friedrichshain, Berlin, Germany
Clinical Clerkship in Cardiology

08/2011 Beijing University of Chinese Medicine, Beijing, China
Clinical Clerkship in Traditional Chinese Medicine

02 – 03/2011 Malindi District Hospital, Malindi, Kenia
Clinical Clerkship in Obstetrics and Gynaecology

DOCTORAL THESIS

Medical University Graz, Austria: Significance of student's training in emergency medicine in studying medicine at all medical universities in Austria, Germany and Switzerland
(Prof. Gerhard Prause)

OTHER PROFESSIONAL ACTIVITIES/MEMBERSHIP

Since 09/2016 Professional Membership European Society of Cardiology
Since 01/2016 Membership Swiss Society of Cardiology
03/2015 Good Clinical Practice Course (GCP) and Sponsor–Investigator Course,
University Hospital Basel, Switzerland
01 – 12/2014 Board Member of the Arbeitsgemeinschaft für Notfallmedizin (AGN),
Austria
04/2014 Co – Organizer, Austrian Congress on emergency medicine Graz,
Austria
Since 04/2013 ALS & ILS Instructor, European Resuscitation Council, Europe
03/2013 - 04/2014 President, Mediziner corps Graz, Austrian Red Cross, Graz, Austria
Since 07/2010 Higher qualified paramedic, Austrian Red Cross, Graz, Austria

CONGRESS PARTICIPATION

09/17 European Society of Cardiology Congress
Moderated Poster presentation
04/17 Swiss Society of General Internal Medicine Congress
Best Poster presentation
09/16 European Society of Cardiology Congress
Oral presentation and Poster presentation
10/15 Acute Cardiovascular Care Congress, Vienna, Austria
Moderated Poster presentation
10/15 Herzinsuffizienz Dreiländertreffen, Seefeld/Tirol, Austria
Oral presentation

09/15 Great Meeting, Rome, Italy
Oral presentation

05/15 Acute Heart Failure Congress, Sevilla, Spain

09/13 Gesellschaft für medizinische Ausbildung (GMA) Congress, Graz,
Austria, Poster presentation

03/13 Interdisciplinary emergency medicine Congress, Wiesbaden (DINK),
Germany, Poster presentation, 1st place poster award

06/12 Österreichische Gesellschaft für Notfall und Katastrophenmedizin
(ÖNK) Congress, Graz, Austria, Poster presentation

LANGUAGE SKILLS

German (Austrian): Mother tongue

English: Fluent in spoken and written Level C1

Spanish: Basics Level A2

French: Basics Level A1

PUBLICATIONS

First Author or Joint First Author:

Nestelberger T, Boeddinghaus J, Badertscher P, Twerenbold R, Wildi K, Breitenbuecher D, et al. Impact of the Definition on Incidence and Prognosis of Type 2 Myocardial Infarction (accepted for publication in JACC)

Nestelberger T, Wild K, Boeddinghaus J, Twerenbold R, Reichlin T, Rubini Giménez M, Puelacher C, et al. Characterization of the Observe Zone of the ESC 2015 high-sensitivity cardiac troponin 0h/1h-algorithm for the Early Diagnosis of Acute Myocardial Infarction Int J Cardiol. 2016 Mar15. PMID: 26808985

Boeddinghaus J Nestelberger T, Rubini Giménez M, Twerenbold R, Puelacher C, Reichlin T et al. Direct comparison of four rapid rule-out strategies for

acute myocardial infarction using high-sensitivity cardiac troponin I
Circulation. 2017 Mar 10. PMID: 28283497

Nestelberger T, Cullen L, Lindahl B, Greenslade J, Giannitsis E, Jaeger C, et al.
Diagnosis of Acute Myocardial Infarction in patients presenting with left
bundle branch block (under review in Annals of Internal Medicine)

Co-Author, chronological:

Schwarzl M, Huber S, Maechler H, Steendijk P, Seiler S, Nestelberger T, et al.
Left ventricular diastolic dysfunction during acute myocardial infarction:
Effect of mild hypothermia. Resuscitation. 2012 Dec. PMID:22634434

Hillinger P, Twerenbold R, Jaeger C, Wildi K, Reichlin T, Nestelberger T, et al.
Optimizing Early Rule-Out Strategies for Acute Myocardial Infarction:
Utility of 1-Hour Copeptin. Clin Chem. 2015 Dec. PMID:26323282

Puelacher C, Twerenbold R, Mosimann T, Boeddinghaus J, Rubini Gimenez M,
Nestelberger T, et al. Effects of hemolysis on the diagnostic accuracy of
cardiac troponin I for the diagnosis of myocardial infarction. Int J Cardiol
2015. PMID:25839632

Jaeger C, Wildi K, Twerenbold R, Reichlin T, Gimenez MR, Nestelberger T, et al.
One-hour rule-in and rule-out of acute myocardial infarction using high-
sensitivity cardiac troponin I Am Heart J. 2016 Jan. PMID:26699605

Boeddinghaus J, Reichlin T, Cullen L, Greenslade J, Parsonage W, Nestelberger
T, et al. 2h-algorithm for triage towards rule-out and rule-in of acute
myocardial infarction using high-sensitivity cardiac Troponin I Clin Chem.
2016 Mar. PMID: 26797687

Kreutzinger P, Wildi K, Twerenbold R, Rubini Gimenez M, Reichlin T,
Nestelberger T, et al. Incidence and Predictors of Cardiomyocyte Injury in
Elective Coronary Angiography. Am J Med. 2016 May. PMID: 26763753

Staub D, Partovi S, Zeller T, Breidthardt T, Kaech M, Nestelberger T, et al.
Multimarker assessment for the prediction of renal function
improvement after percutaneous revascularization for renal artery
stenosis. Cardiovasc Diagn Ther. 2016 Jun;6. PMID: 27280085

Boeddinghaus J, Twerenbold R, Nestelberger T, Wildi K, Mueller C,

Measurement of cardiac troponin for exclusion of myocardial infarction, *Lancet*. 2016 Jun 4. PMID: 27302262

Parsonage W, Wildi K, Greenslade J, Aldous S, Hammet C, Nestelberger T, et al. Validation of NICE diagnostic guidance for rule out of myocardial infarction using high sensitivity troponin tests *Heart*. 2016 Aug 15. PMID: 27288278

Wildi K, Twerenbold R, Jaeger C, Rubini Giménez M, Reichlin T, Nestelberger T, et al. Clinical impact of the 2010-2012 low-end shift of high-sensitivity cardiac troponin T *Eur Heart J Acute Cardiovasc Care*. 2016 Oct 5. PMID: 27055466

Twerenbold R, Jaeger C, Rubini Giménez M, Wildi K, Reichlin R, Nestelberger T, et al. Impact of high-sensitivity cardiac troponin on use of coronary angiography, cardiac stress testing, and time to discharge in suspected acute myocardial infarction. *Eur Heart J*. 2016 Nov 21. PMID: 27357358

Rubini Giménez M, Twerenbold R, Boeddinghaus J, Wildi K, Nestelberger T, Reichlin T, et al. Clinical Effect of Sex-Specific Cutoff Values of High-Sensitivity Cardiac Troponin T in Suspected Myocardial Infarction. *JAMA Cardiol*. 2016 Nov 1. PMID: 27653005

Marenzi G, Cosentino N, Boeddinghaus J, Trinei M, Giorgio M, Nestelberger T, et al. Diagnostic and Prognostic Utility of Circulating Cytochrome c in Acute Myocardial Infarction *Circ Res*. 2016 Dec 9. PMID: 27799252

Klinkenberg L, Wildi K, van der Linden N, Kouw I, Niens M, Nestelberger T, et al. A diurnal rhythm of cardiac troponin: consequences for the diagnosis of acute myocardial infarction *Clin Chem*. 2016 Dec. PMID: 27707754

Hillinger P, Twerenbold R, Wildi K, Rubini Gimenez M, Jaeger C, Nestelberger T, et al. Gender-specific Uncertainties in the Diagnosis of Acute Coronary Syndrome *Clin Res Cardiol*. 2017 Jan. PMID: 27406787

Lindahl B, Jernberg T, Badertscher P, Boeddinghaus J, Eggers K, Frick M, Nestelberger T, et al. An algorithm for rule-in and rule-out of acute myocardial infarction using a novel troponin I assay. *Heart*. 2017 Jan 15. PMID: 27486143

Wagener M, Abächerli R, Honegger U, Schaerli N, Prêtre G, Nestelberger T, et al. Diagnostic and Prognostic Value of Lead aVR During Exercise Testing in

- Patients Suspected of Having Myocardial Ischemia. *Am J Cardiol.* 2017 Apr 1. PMID: 28215415
- Chapman AR, Anand A, Boeddinghaus J, Ferry AV, Sandeman D, Nestelberger T, et al. Comparison of the Efficacy and Safety of Early Rule Out Pathways for Acute Myocardial Infarction. *Circulation.* 2017 Apr 25;135(17):1586-1596. PMID: 28034899
- Badertscher P, Boeddinghaus J, Nestelberger T, Giménez MR, Twerenbold R, Mueller C. Letter to the Editor: "High sensitive cardiac troponin T: Testing the test". *Int J Cardiol.* 2017 May 1;234:126. PMID: 28285626
- Abaecherli R, Twerenbold R, Boeddinghaus J, Nestelberger T, Maechler P, et al. Diagnostic and prognostic values of the V-index, a novel ECG marker quantifying spatial heterogeneity of ventricular repolarization, in patients with symptoms suggestive of non-ST-elevation myocardial infarction. *Int J Cardiol.* 2017 Jun 1. PMID: 28236543
- Boeddinghaus, J, Reichlin, T, Nestelberger, T, Twerenbold, R; Meili, Y; Wildi, K, et al. Early Diagnosis of Acute Myocardial Infarction in Patients with Mild Elevations of High-Sensitivity Cardiac Troponin *Clin Res Cardiol.* 2017 Jun;106(6):457-467. PMID: 28150185
- Puelacher C, Wagener M, Abaecherli R, Honegger U, Lhasam N, Nestelberger T, et al. Diagnostic value of ST-segment deviations during cardiac exercise stress testing: Systematic comparison of different ECG leads and time-points. *Int J Cardiol.* 2017 Jul 1;238:166-172. PMID: 28320607
- Breidhardt T, Sabti Z, Ziller R, Rassouli F, Twerenbold R, Nestelberger T, et al. Diagnostic and prognostic value of cystatin C in acute heart failure. *J Am Clin Biochem.* 2017 Jul 26. PMID: 28756070
- Greenslade JH, Adikari T, Mueller C, Sandoval Y, Nestelberger T, et al. Characteristics and occurrence of type 2 myocardial infarction in emergency department patients: a prospective study. *Emerg Med J.* 2017 Aug 7. PMID: 28784608
- Twerenbold R, Boeddinghaus J, Nestelberger T, Wildi K, Rubini Gimenez M, et al. Clinical Use of High-Sensitivity Cardiac Troponin in Patients With Suspected Myocardial Infarction. *J Am Coll Cardiol.* 2017 Aug 22;70(8):996-1012. PMID: 28818210