



Vita von Priv. Doz. Dr. med. Nicolas Langwieser

Geburtstag 22.01.1979
Familien Status Verheiratet; 1 Tochter, 1 Sohn

Schule

1989-1998 Hans-Carossa-Gymnasium, Landshut
05/1998 Abschluss der Allgemeinen Hochschulreife

Allgemeine Wehrpflicht

1998-1999 Herzkatheterlabor des Kreiskrankenhauses Landshut-Achdorf, Prof. E. Sauer

Universität

1999-2005 Studium der Humanmedizin an der Technischen Universität München (TUM)

Berufliche Ausbildung und klinischer Werdegang

26.10.2005 Erlangung der ärztlichen Vollapprobation

11/2005-09/2008 Assistenzarzt der I. Medizinischen Klinik/Deutsches Herzzentrum München, Technische Universität München (Leitung: Prof. A. Schömig)

10/2008-02/2011 Assistenzarzt der Medizinischen Klinik II - Kardiologie und Pulmologie, Campus Benjamin Franklin, Charité - Universitätsmedizin Berlin (Leitung: Prof. H.-P. Schultheiss)

02/2011-08/2011 Assistenzarzt der Medizinischen Klinik IV - Nephrologie, Campus Benjamin Franklin, Charité - Universitätsmedizin Berlin (Leitung: Prof. W. Zidek)

09/2011-08/2014 Assistenzarzt der I. Medizinischen Klinik, Technische Universität München (Leitung: Prof. A. Schömig; ab 10/2012: Prof. K.-L. Laugwitz)

18.12.2012 Facharzt für Innere Medizin

02.06.2014 Facharzt für Innere Medizin und Kardiologie

08/2014-06/2016 Funktionsoberarzt für interventionelle Kardiologie/Angiologie der I. Medizinischen Klinik, Technische Universität München (Leitung: Prof. K.-L. Laugwitz)

11.08.2016 Facharzt für Innere Medizin und Angiologie

seit 07/2016 Oberarzt der 1. Medizinischen Klinik, Technische Universität München, sowie Leiter der internistischen Notaufnahme

Wissenschaftlicher Werdegang

10/2002-10/2004

Promotion am Institut für Pharmakologie und Toxikologie der TU München unter Leitung von Prof. F. Hofmann
Thema: Die Rolle des Cav1.2 L-Typ-Ca²⁺-Kanals für Lernen und Gedächtnis

11/2016

Habilitation und Erhalt der Lehrbefugnis für das Fach Innere Medizin an der Fakultät für Medizin der Technischen Universität München
Thema: Prävention der Neointimaproliferation nach koronarer und peripherer Stentimplantation mittels Medikamentenbeschichtung: experimentelle und klinische Studien

Zusatzqualifikationen

Fachkunde im Strahlenschutz (Gesamtgebiet der Röntgendiagnostik inklusive Computertomographie sowie koronare und periphere Gefäßinterventionen) nach §45RöV



Publikationen

1. Moosmang S, Haider N, Klugbauer N, Adelsberger H, Langwieser N, Muller J, Stiess M, Marais E, Schulla V, Lacinova L, Goebbels S, Nave KA, Storm DR, Hofmann F, Kleppisch T. Role of hippocampal Cav1.2 Ca²⁺ channels in NMDA receptor-independent synaptic plasticity and spatial memory. *J Neurosci*. 2005 Oct 26;25(43):9883-92
2. Nührenberg TG*, Langwieser N*, Schwarz JKB, Hou Y, Frank P, Sorge F, Matschurat S, Seidl S, Schömig A, Kastrati A, Clauss MA, Zohlnhöfer D. EMAP-II downregulation contributes to the beneficial effects of Rapamycin after vascular injury. *Cardio-vasc Res*. 2008 Feb 1;77(3):580-9; *shared first authorship
3. Langwieser N, Schwarz JB, Reichenbacher C, Stemmer B, Massberg S, Langwieser NN, Zohlnhöfer-Momm D. Role of Bone Marrow-Derived Cells in the Genetic Control of Restenosis. *Arterioscler Thromb Vasc Biol*. 2009 Oct;29(10):1551-7
4. von Steinburg SP, Klein E, Langwieser N, Kastrati A, Schneider KT, Zohlnhöfer D. Coronary Stenting after Myocardial Infarction during Twin Pregnancy – A Case Report. *Hypertens Pregnancy*. 2011;30(4):485-9
5. Ibrahim T, Nekolla SG, Langwieser N, Rischpler C, Groha P, Laugwitz KL, Schwaiger M. Simultaneous positron emission tomography/magnetic resonance imaging identifies sustained regional abnormalities in cardiac metabolism and function in stress-induced transient midventricular ballooning syndrome: a variant of Takotsubo cardiomyopathy. *Circulation*. 2012 Nov 20;126(21):e324-6
6. Meidert AS, Huber W, Hapfelmeier A, Schöfthaler M, Müller JN, Langwieser N, Wagner JY, Schmid RM, Saugel B. Evaluation of the radial artery applanation tonometry technology for continuous noninvasive blood pressure monitoring compared with central aortic blood pressure measurements in patients with multiple organ dysfunction syndrome. *J Crit Care*. 2013 Dec;28(6):908-12
7. Saugel B, Meidert AS, Langwieser N, Wagner JY, Fassio F, Hapfelmeier A, Prechtl LM, Huber W, Schmid RM, Gödje O. An autocalibrating algorithm for non-invasive cardiac output determination based on the analysis of an arterial pressure waveform recorded with radial artery applanation tonometry: a proof of concept pilot analysis. *J Clin Monit Comput*. 2014 Aug;28(4):357-62
8. Meidert AS, Huber W, Müller JN, Schöfthaler M, Hapfelmeier A, Langwieser N, Wagner JY, Eyer F, Schmid RM, Saugel B. Radial artery applanation tonometry for continuous non-invasive arterial pressure monitoring in intensive care unit patients: comparison with invasively assessed radial arterial pressure. *Br J Anaesth*. 2014 Mar;112(3):521-8
9. Dzijan-Horn M*, Langwieser N*, Groha P, Bradaric C, Linhardt M, Böttiger C, Byrne RA, Steppich B, Koppa T, Gödel J, Hadamitzky M, Ott I, von Beckerath N, Kastrati A, Laugwitz KL, Ibrahim T. Safety and efficacy of a potential treatment algorithm by using manual compression repair and ultrasound-guided thrombin injection for the management of iatrogenic femoral artery pseudoaneurysm in a large patient cohort. *Circ Cardiovasc Interv*. 2014 Apr;7(2):207-15; *shared first authorship
10. Langwieser N*, Prothmann S*, Buyer D, Poppert H, Schuster T, Fusaro M, Barthel P, Haase HU, Laugwitz KL, Zimmer C, Ibrahim T. Safety and efficacy of different stent types for the endovascular therapy of extracranial vertebral artery disease. *Clin Res Cardiol*. 2014 May;103(5):353-62; *shared first authorship
11. Langwieser N, von Olshausen G, Rischpler C, Ibrahim T. Confirmation of diagnosis and graduation of inflammatory activity of Loeffler endocarditis by hybrid PET/MR imaging. *Eur Heart J*. 2014 Sep 21;35(36):2496
12. von Olshausen G, Hyafil F, Langwieser N, Laugwitz KL, Schwaiger M, Ibrahim T. Detection of acute inflammatory myocarditis in Epstein Barr virus infection using hybrid 18F-fluoro-deoxyglucose-positron emission tomography/magnetic resonance imaging. *Circulation*. 2014 Sep 9;130(11):925-6.
13. Langwieser N, Buyer D, Schuster T, Haller B, Laugwitz KL, Ibrahim T. Bare metal vs. drug-eluting stents for extracranial vertebral artery disease: a meta-analysis of nonrandomized comparative studies. *J Endovasc Ther*. 2014 Oct;21(5):683-92

14. Langwieser N*, Sinnecker D*, Rischpler C, Batrice A, van Marwick S, Schwaiger M, Laugwitz KL, Nekolla SG, Ibrahim T. Treatment of acute left main occlusion by early revascularization combined with extracorporeal circulation achieves substantial myocardial salvage as assessed by simultaneous positron emission tomography/magnetic resonance imaging. Resuscitation. 2014 Oct;85(10):e171-3; *shared first authorship
15. Rischpler C*, Langwieser N*, Souvatzoglou M, Batrice A, Snajberk J, Ibrahim T, Laugwitz KL, Nekolla SG, Schwaiger M. PET/MRI Early after Myocardial Infarction: Evaluation of Viability with Late Gadolinium Enhancement Transmurality versus 18F-FDG Uptake. Eur Heart J Cardiovasc Imaging. 2015 Jun;16(6):661-9; *shared first authorship
16. Bradaric C, Kuhs K, Groha P, Dommasch M, Langwieser N, Haller B, Ott I, Fusaro M, Theiss W, von Beckerath N, Kastrati A, Laugwitz KL, Ibrahim T. Endovascular Therapy of steno-occlusive Subclavian and Innominate Artery disease: Safety and Efficacy at a single center institution with over 20 years' experience. Circ J. 2015;79(3):537-43
17. Ibrahim T, Langwieser N, Dommasch M, Wildgruber M, Laugwitz KL. How Should I treat a Complex Left Subclavian Artery Stenosis Involving the Vertebral Artery in a Patient with Subclavian Steal Syndrome and Left Internal Mammary Artery Bypass Graft. EuroIntervention. 2015 Mar 22;10(11):e1-7
18. Schinke K, Langwieser N, Laugwitz KL, Ibrahim T. A potential life-threatening complication after implantation of a bioresorbable scaffold for coronary stenting within a mechanically stressed region. Clin Res Cardiol. 2015 Apr;104(4):366-7
19. Langwieser N*, Prechtel L*, Meidert AS, Hapfelmeier A, Bradaric C, Ibrahim T, Laugwitz KL, Schmid RM, Wagner JY, Saugel B. Radial artery appplanation tonometry for continuous noninvasive arterial blood pressure monitoring in the cardiac intensive care unit. Clin Res Cardiol. 2015 Jun;104(6):518-24; *shared first authorship
20. Langwieser N, Bernlochner I, Wustrow I, Dirschinger RJ, Jaitner J, Dommasch M, Bradaric C, Laugwitz KL, Ibrahim T. Combination of factor Xa inhibition and antiplatelet therapy after stenting in patients with iliofemoral post-thrombotic venous obstruction. Phlebology. 2015 Jul 15 [Epub ahead of print]
21. Rischpler C, Dirschinger RJ, Nekolla SG, Kossmann H, Nicolosi S, Hanus F, van Marwick S, Kunze KP, Meinicke A, Götze K, Kastrati A, Langwieser N, Ibrahim T, Nahrendorf M, Schwaiger M, Laugwitz KL. Prospective Evaluation of 18F-Fluorodeoxyglucose Uptake in Postischemic Myocardium by Simultaneous Positron Emission Tomography/Magnetic Resonance Imaging as a Prognostic Marker of Functional Outcome. Circ Cardiovasc Imaging. 2016 Apr;9(4):e004316
22. Bernlochner I, Jaitner J, Fries V, Dommasch M, Mayer K, Ott I, Langwieser N, Fusaro M, Laugwitz KL, Kastrati A, Ibrahim T. High on-treatment platelet reactivity and outcomes after percutaneous endovascular procedures in patients with peripheral artery disease. Vasa. 2016 Apr;45(2):155-61.
23. Dregely I, Koppa T, Nekolla SG, Nährig J, Kuhs K, Langwieser N, Dzijan-Horn M, Ganter C, Joner M, Laugwitz KL, Schwaiger M, Ibrahim T. Observations With Simultaneous 18F-FDG PET and MR Imaging in Peripheral Artery Disease. JACC Cardiovasc Imaging. 2016 Aug 20. [Epub ahead of print]
24. Rischpler C, Langwieser N, Nekolla SG. Cardiac PET/MRI enters the clinical arena! Finally.... J Nucl Cardiol. 2016 Sep 23. [Epub ahead of print]
25. Langwieser N, Laugwitz KL, Ibrahim T. Comprehensive endovascular treatment of multiple arterial emboli involving LIMA graft, distal aorta and upper and lower extremities in a patient with subacute cerebral hemorrhage. Clin Res Cardiol. 2016 Nov 10. [Epub ahead of print]
26. Dommasch M, Langwieser N, Laugwitz KL, Ibrahim T. Malabsorption of a Bioresorbable Vascular Scaffold System Leading to Very Late In-Scaffold Restenosis More Than 3.5 Years After Implantation: Assessment by Optical Coherence Tomography. JACC Cardiovasc Interv. 2016 Nov 17. [Epub ahead of print]