



## Curriculum Vitae

Personal information **Carsten Lennerz**

Work experience

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**08/2010 – CURRENT** – Munich, Germany

**Consultant Cardiologist and board certified Cardiologist**

*German Heart Centre Munich (DHM)*

- Deputy head of the CIED clinic with 800 pacemaker and defibrillator related procedures and 4000 CIED follow-ups per year
- Supervision and coordination of a monitor care unit with 23 beds specialised on rhythm disorders
- Direct training and staff responsibility for 5 junior physicians
- IT representative with project responsibility for implementation of a new hospital information system, digitalisation, telemedicine and big data analytics
- Project lead for hospital certification as a national heart failure centre
- Operator in invasive EP studies

**08/2009 – 08/2010** – Munich, Germany

**Consultant**

*Boston Consulting Group (BCG)*

- Support and development of a new remuneration system for doctors in the private hospital sector
- Support of post-merger integration, including especially responsibility for the planning of the personnel and organization

**02/2006 – 07/2009** – Munich

**Associate**

*McKinsey & Company (MCK)*

- Conducting analyses and interviews, managing client teams and McKinsey employees in his area of responsibility, identifying and evaluating potential action plans, and preparing workshops and action-oriented presentations of the results and recommendations
- Developing a strategy for a hospital chain, including market position analysis and profiling of relevant competitors. Supporting an organisational transformation, including elaborating an implementation plan and identification of steering elements
- Strategy project on future orientation for health insurance funds:

implementation of managed care in the German health system and developing prediction models for risk stratification of insureds

**02/2006 – 01/2008** – Homburg, Germany

**Cardiologist in Training**

Saarland University Hospital

· Basic training in internal medicine and clinic cardiology, including 12-months training in intensive care

**Consultant Cardiologist and board certified Cardiologist**

German Heart Centre Munich (DHM)

**Consultant**

Boston Consulting Group (BCG)

**Associate**

McKinsey & Company (McK)

**Cardiologist in Training**

Saarland University Hospital

## Education and training

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**04/2017 – 11/2019** – Munich, Germany

**Venia legendi/Privatdozent (PD) for Internal Medicine**

Technical University Munich (TUM)

**12/2015 – 11/2017** – London, United Kingdom

**Master of Science (MSc) in Health Economics, Outcomes and Management**

London School of Economics and Political Science (LSE)

**10/2004 – 07/2008**

**Doctor medicine (Dr. med.) Institute of Human Genetics**

University of Saarland

**10/1998 – 10/2005**

**Medical doctor (MD) - Studies of Human Medicine**

University of Saarland

## Additional information

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### Publications

**Lennerz C., et al. (2020) Modern Security Screening and Electromagnetic Interference With Cardiac Implantable Electronic Devices. J Am Coll Cardiol, 75(10), 1238-1239.**

**2020** [https://api.elsevier.com/content/article/PII:S0735109720301923?](https://api.elsevier.com/content/article/PII:S0735109720301923?httpAccept=text/xml)

[httpAccept=text/xml](http://api.elsevier.com/content/article/PII:S0735109720301923?httpAccept=text/xml)

doi:10.1016/j.jacc.2020.01.012

**Lennerz C., et al. (2018). Electric Cars and Electromagnetic Interference With Cardiac Implantable Electronic Devices: A Cross-sectional Evaluation. Ann Intern Med, 169(5), 350-352. doi:10.7326/m17-2930**

**2018** <http://annals.org/aim/fullarticle/2679357/electric-cars-electromagneticinterference-cardiac-implantable-electronic-devices-cross-sectional>

doi:10.7326/m17-2930

**Lennerz C., et al. (2017). Electromagnetic Interference in Cardiac Implantable Electronic Devices: Is the Use of Smartphones Safe? J Am Coll Cardiol, 69(1), 108-110.**

2017 <https://api.elsevier.com/content/article/PII:S0735109716369108?httpAccept=text/xml>  
doi:10.1016/j.jacc.2016.10.046

**Lennerz, C. et al. (2017). Colchicine for primary prevention of atrial fibrillation after open-heart surgery: Systematic review and metaanalysis. Int J Cardiol, 249, 127-137.**

2017 [https://www.internationaljournalofcardiology.com/article/S0167-5273\(17\)32407-5/fulltext](https://www.internationaljournalofcardiology.com/article/S0167-5273(17)32407-5/fulltext)  
doi:10.1016/j.ijcard.2017.08.039

**Lennerz C., et al. (2017). Biomarker-based diagnosis of pacemaker and implantable cardioverter defibrillator pocket infections: A prospective, multicentre, case-control evaluation. PLoS One, 12(3), e0172384.**

2017  
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0172384>  
doi:10.1371/journal.pone.0172384

**Barman M., Lennerz C. (2018). Cost-effectiveness of colchicine treatment on post-operative atrial fibrillation events in patients of major cardiac surgery. Eur Heart J Qual Care Clin Outcomes, 4(2), 126-131.**

2018 <https://academic.oup.com/ehjqcco/article/4/2/126/4600127>  
doi:10.1093/ehjqcco/qcx043

**Blazek P., Lennerz C. (2020). Security millimetre wave body scanner safe for patients with leadless pacemakers or subcutaneous implantable cardioverter-defibrillators. J Interv Card Electrophysiol.**

2020 <http://link.springer.com/content/pdf/10.1007/s10840-020-00830-x.pdf>  
<http://dx.doi.org/10.1007/s10840-020-00830-x>

**von Olshausen G., Lennerz C. (2019). Incidence of magnet mode in patients with implantable cardioverter defibrillators. J Interv Card Electrophysiol, 56(3), 335-339.**

2019 <http://link.springer.com/content/pdf/10.1007/s10840-019-00637-5.pdf>  
doi:10.1007/s10840-019-00637-5

**Kolb C., Lennerz C. (2014). Reduced risk for inappropriate implantable cardioverter-defibrillator shocks with dual-chamber therapy compared**

with single-chamber therapy: results of the randomized OPTION study. *JACC Heart Fail*, 2(6), 611-619.

2014

<https://www.sciencedirect.com/science/article/pii/S2213177914003308?via%3Dihub>

doi:10.1016/j.jchf.2014.05.015

Projects

Memberships

Other Relevant Information

**Expertise:**

Heart Failure / Telemedicine / Management Consulting / Digitalisation / Cardiac Devices / Lecturing / Cardiology / Business Strategy / Clinical Research / Electrophysiology / Project Management / Health Technology Assessment

**Qualifications:**

**08/2019 – CURRENT**

**DGK certified heart failure specialist**

**06/2015 – CURRENT**

**EHRA and ESC certified cardiac device specialist level I (ECDS)**

**05/2016 – CURRENT**

**EHRA and ESC certified cardiac device specialist level II (ECDS)**

**02/2012 – CURRENT**

**AMG, MPG, ICH-GCP for (principal) investigators and study coordinators**

**01/2020 – CURRENT**

**Lecturer in Internal Medicine at Technical University (TUM)**

**01/2018 – CURRENT**

**Board certification as a specialist for internal medicine and cardiology**

**02/2018 – CURRENT**

**Scientist at DZHK (German Centre for Cardiovascular Research)**

**08/2015 – CURRENT**

**DGK Qualification in specific heart rhythm disorders**

**Honours and Awards**

**10/2018**

**A.W. & L. Becht-Research Award – German Heart Foundation**

**12/2018**

**Fellow of the European Society of Cardiology (FESC) – ESC**

**12/2017**

**LSE Award for overall distinction in academia – LSE, ESC, EHA**

**10/2015**

**Scholarship by EHA for LSE Master Course – EHA**

**10/2009**

**Dr.-Eduard-Martin-Award** – University of Saarland Award for best doctoral thesis of the medical faculty

**03/2002**

**Scholarship of the German National Academic Foundation**