

Personal information

Citizenship: Germany
Date of birth: 14.10.1982
Title: Dr. med.
Business address: University Hospital Basel, Abt. für Med. Kommunikation
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Education and employment history including institutional responsibilities

Oct 03 – June 10 Undergraduate Degree in Medicine & Surgery, University Bonn, Germany
June 10 Final year examination, University Bonn, Germany
Jul 10 – March 15 Residency, Internal Medicine, Emergency Medicine, Intensive Care Medicine, Spitalzentrum Oberwallis (2010-2011), Spital Interlaken (2011-2013), Universitätsspital Basel (2013-2014), Royal Sussex County Hospital Brighton (2014-2015)
April 15 – Jun 16 Attending physician (“Oberarzt”), Division of Internal Medicine, University Hospital Basel, Switzerland
July 16 – Feb 23 Attending physician, Emergency Department, University Hospital Basel, Switzerland
March 23 – Feb 2024 Research Fellow, Marie Curie Palliative Care Research Department, Division of Psychiatry, University College London, London, UK

since 07/2016 Attending physician, Medical Communication / Psychosomatic Medicine, University Hospital Basel, Switzerland
since 04/2024 Attending physician, Medical Polyclinic, University Hospital Basel, Switzerland

Examinations and certifications

2017 MD thesis, Prof. Dr. C. Nickel, University Hospital Basel, Switzerland
2017 Swiss Federal Diploma for Internal Medicine (FMH) with a license to practice
2017 Basic course Good Clinical Practise (GCP)
2012 FCCS Fundamental Critical Care Support Course, University Hospital Berne, Switzerland

Teaching activities

- Lectures on psychosomatic medicine and communication, longitudinal curriculum from 1st to 6th year medical school, University of Basel, Switzerland (2016 –present)
- Examiner, objective structured clinical examination [OSCE], University of Basel, (2016-present)
- Regular communication teaching sessions and workshops for MD students and residents (2016 – present)
- Course instructor communication workshops for Haemato-/Oncologist, Swiss Cancer League (since 2021)

Prizes and honors

- First prize winner for best oral presentation, *Becker C et al* “Effect of bedside patient case presentation compared to presentation outside the room on patients’ knowledge about their medical care. *A randomized controlled multicenter trial* Swiss Congress for General Internal Medicine (SGAIM), Basel, 2021
- First prize winner best poster presentation, *Becker C et al* “*Cluster-Randomized Trial of Checklist-guided Shared Decision-Making for Code Status Discussions in Medical Inpatients*”; Swiss Congress for General Internal Medicine (SGAIM), Basel, 2024

Membership in scientific and professional organizations

- Swiss Association for Internal Medicine (FMH), since 2017
- Swiss Society of General Internal Medicine (SGAIM), since 2021

- Research Committee Swiss Society of General Internal Medicine (SGAIM), since 2021

Publications

Selected peer reviewed articles

1. **Becker C**, Beck K, Moser C, Lessing C, Arpagaus A, et al. The association of vaccination status with perceived discrimination in patients with COVID-19. Results from a cross-sectional study; *accepted for publication Swiss Med Wkly* **2023**
2. **Becker C**, Gross S, Gamp M, et al. Patients' Preference for Participation in Medical Decision-Making: Secondary Analysis of the BEDSIDE-OUTSIDE Trial. *J Gen Intern Med* **2023** doi: 10.1007/s11606-022-07775-z [published Online First: 20220909]
3. Gross S, **Becker C**, Beck K, Memma V, Gaab J., et al. Occurrence of sensitive topics during ward round: an ancillary analysis of the BEDSIDE-OUTSIDE trial. *BMJ open* **2023**; doi: 10.1136/bmjopen-2023-073584.
4. Blatter R, Amacher SA, Bohren C, **Becker C**, Beck K et al. Comparison of different clinical risk scores to predict long-term survival and neurological outcome in adults after cardiac arrest: results from a prospective cohort study. *Ann Intensive Care* **2022**;12(1):77. doi: 10.1186/s13613-022-01048-y [published Online First: 20220817]
5. Amacher SA, Bohren C, Blatter R, **Becker C**, Beck K et al. Long-term Survival After Out-of-Hospital Cardiac Arrest: A Systematic Review and Meta-analysis. *JAMA Cardiol* **2022**;7(6):633-43. doi: 10.1001/jamacardio.2022.0795
6. Loretz N, **Becker C**, Hochstrasser S, et al. Activation of the kynurenine pathway predicts mortality and neurological outcome in cardiac arrest patients: A validation study. *J Crit Care* **2022**;67:57-65. doi: 10.1016/j.jcrc.2021.09.025 [published Online First: 20211018]
7. Gross S, Beck K, **Becker C**, et al. Perception of physicians and nursing staff members regarding outside versus bedside ward rounds: ancillary analysis of the randomised BEDSIDE-OUTSIDE trial. *Swiss Med Wkly* **2022**;152:w30112. doi: 10.4414/smw.2022.w30112 [published Online First: 20220119]
8. **Becker C**, Gamp M, Schuetz P, Beck K, Vincent A, Hochstrasser S, Metzger K, Widmer M, Thommen E, Mueller B et al: Effect of Bedside Compared With Outside the Room Patient Case Presentation on Patients' Knowledge About Their Medical Care : A Randomized, Controlled, Multicenter Trial. *Ann Intern Med* **2021**.
9. **Becker C**, Zumbrunn S, Beck K, et al. Interventions to Improve Communication at Hospital Discharge and Rates of Readmission: A Systematic Review and Meta-analysis. *JAMA Netw Open*. **2021**;4(8):e2119346.
10. **Becker C**, Beck K, Zumbrunn S, et al. Long COVID one year after hospitalization for COVID-19: A prospective bicentric cohort study. *Swiss Med Wkly* **2021**
11. **Becker C**, Manzelli A, Marti A, Cam H, Beck K, Vincent A, Keller A, Bassetti S, Rikli D, Schaefer R et al: Association of medical futility with do-not-resuscitate (DNR) code status in hospitalised patients. *J Med Ethics* **2021**.
12. **Becker C**, Beck K, Vincent A, , Keller A, Cam H, Schaefer R, Reinhardt T, Sutter R, Tisljar K, Bassetti S et al: Prevalence and factors associated with psychological burden in COVID-19 patients and their relatives: A prospective observational cohort study. *PLoS One* **2021**, 16(5):e0250590.
13. Hunziker S, Quinto A, Ramin-Wright M, **Becker C**, Beck K, Vincent A, Tisljar K, Disanto G, Benkert P, Leppert D et al: Serum neurofilament measurement improves clinical risk scores for outcome prediction after cardiac arrest: results of a prospective study. *Critical care (London, England)* **2021**, 25(1):32
14. Vincent A, Beck K, **Becker C**, Zumbrunn S, Ramin-Wright M, Urban T, Quinto A, Schaefer R, Meinschmidt G, Gaab J et al: Psychological burden in patients with COVID-19 and their relatives 90 days after hospitalization: A prospective observational cohort study. *J Psychosom Res* **2021**, 147:110526.
15. **Becker C**, Beck K, Vincent A, Hunziker S: Communication challenges in end-of-life decisions. *Swiss Med Wkly* **2020**, 150:w20351
16. **Becker C**, Keller A, Nienhaus K, Beck K, Vincent A, Sutter R, Tisljar K, Schuetz P, Bernasconi L, Neyer P et al: Arginine and Arginine/ADMA Ratio Predict 90-Day Mortality in Patients with Out-of-Hospital Cardiac Arrest-Results from the Prospective, Observational COMMUNICATE Trial. *Journal of clinical medicine* **2020**, 9(12)
17. **Becker C**, Tramer L, Schumacher C, Beck K, Tschan F, Semmer NK, Hochstrasser S, Marsch S, Hunziker S: Association of self-esteem, personality, stress and gender with performance of a resuscitation team: A simulation-based study. *PLoS One* **2020**, 15(5):e0234155

18. Boerlin A, Luescher T, **Becker C**, Perrig S, Thommen E, Widmer M, Beck K, Vincent A, Tisljar K, Bernasconi L et al: Low Plasma Sphingomyelin Levels Show a Weak Association with Poor Neurological Outcome in Cardiac Arrest Patients: Results from the Prospective, Observational COMMUNICATE Trial. *Journal of clinical medicine* **2020**, 9(4).
19. **Becker C**, Lecheler L, Hochstrasser S, Metzger KA, Widmer M, Thommen EB, Nienhaus K, Ewald H, Meier CA, Rueter F et al: Association of Communication Interventions to Discuss Code Status With Patient Decisions for Do-Not-Resuscitate Orders: A Systematic Review and Meta-analysis. *JAMA network open* **2019**, 2(6):e195033.
20. Gamp M, **Becker C**, Tondorf T, Hochstrasser S, Metzger K, Meinlschmidt G, Langewitz W, Schafert R, Bassetti S, Hunziker S: Effect of Bedside vs. Non-bedside Patient Case Presentation During Ward Rounds: a Systematic Review and Meta-analysis. *J Gen Intern Med* **2019**, 34(3):447-457
21. **Becker C**, Tramèr L, Hochstrasser S, Marsch S, Hunziker S: Association of electrocardiogram alterations of rescuers and performance during a simulated cardiac arrest: A prospective simulation study. *PLoS One* 2018, 13(6):e0198661.
22. **Becker C**, Achermann S, Rocque M, Kirenko I, Schlack A, Dreher-Hummel T, Zumbunn T, Bingisser R, Nickel CH: Camera-based measurement of respiratory rates is reliable. *Eur J Emerg Med* **2017**.