

Wolfgang Heinrichs, MD, PhD

Curriculum vitae

- Birthday 29.4.1950
- Medical Doctor 1975 at Westfaelische Wilhelms University Muenster, Germany
- Post-Graduate Training and Specialist in anaesthesiology 1981 at Prof. Hans Nolte, Minden, Germany



University of Mainz

- Specialist in Intensive Care Medicine 1985, University of Mainz
- PhD theses on models of the respiration system 1987, Clinic for Anaesthesiology, Johannes Gutenberg-University of Mainz
- Professor of Anesthesiology 1993
- Chief emergency physician 1993
- 1997 founder of the Mainz centre with Human Patient Simulators, Pediatric Simulator and Emergency Care Simulator.
- Director of the Intensive Care unit at Mainz university hospital.

AQAI Simulation Centre

- 2003 Founder of the AQAI simulation centre in Mainz – a private simulation centre.
- 2010 Full time working at the AQAI simulation centre as senior instructor and model developer. The AQAI simulation centre has developed into one of the largest private simulation centres in Europe. In 2012-2015 more than 600 training days per year with more than 10000 participants have been performed.

Memberships

- Member of the DGAI, the German society for Anesthesia and Intensive Care
- Member of SESAM, the Society in Europe for Simulation Applied to Medicine,
- Member of the Society for Education in Anesthesia.
- Board Member and German representative of World SIVA

Scientific interest:

- Simulation, Crisis resource management, modelling, software, documentation system quality control, artificial ventilation, extracorporeal systems for lung replacement, intravenous anesthesia, sedation and analgesia in intensive care.

Recent work:

- Pharmacology for simulation, drug definition.
- Clinical concepts applied to simulation
- Standard definition for sedation in gastroenterology
- Application of TIVA / TCI to simulation
- Application of BIS to simulation
- Application of inhalational anesthetics to simulation
- Application of PiCCO to simulation
- Co-Development of artificial lung: TestChest

