

Multi-source feedback tool for specialist training

Type	Master's thesis
Workingtitle	Multi-source feedback system for digital support of further training in internal medicine

As part of their further training in internal medicine, doctors must provide evidence of six months of training in intensive care medicine. The knowledge, skills and abilities acquired during this time are to be summarized in a multidisciplinary feedback format to promote further training for the relevant persons.

The aim of this work is to provide doctors, therapists and nurses with a digital system that supports the analysis of training and at the same time can create standardization in evaluation. Key performance indicators on the supervised training courses are also to be developed and measured in order to provide information on the general success of training in the respective clinic.

The concepts of the multi-source feedback tool are being developed in cooperation with the Interdisciplinary Internal Intensive Care Medicine Department at Leipzig University Hospital. The implemented system will be validated and optimized together with the clinical experts.

The work is being carried out under the co-supervision of the Interdisciplinary Internal Intensive Care Medicine Department at Leipzig University Hospital.

Requirements

- Master's degree in the field of computer science, medical technology, bioinformatics, engineering
- Good knowledge of the programming languages Java, JavaScript or Python, and web technologies
- Independence, reliability, ability to work in a team
- Commitment and proactive action in cooperation with clinical partners

contact

University of Leipzig

Innovation Center Computer Assisted Surgery (iCCAS)

Jan Gaebel

E-Mail: jan.gaebel@medizin.uni-leipzig.de

Web: www.iccas.de