

Data Management for Digital Health: Guest Lecturer on Medical Use Case: Nephrology

Thu Jan 19, 2023 at 11:00 am in Lecture Hall 2 on
HPI Campus I, Prof.-Dr.-Helmert-Str. 2-3, 14482 Potsdam

AI in Nephrology: Leveraging Electronic Health Records for Next-Generation Transplant Care and Research

Dr. Marcel Naik – Charité: University Medicine Berlin

Abstract: In transplant nephrology, we build on modern Electronic Health Record (EHR) systems, which provide combined access to latest clinical data about our patients. These HER systems aid nephrologists in the clinical setting and at the same time enable research in machine learning by providing access to high-quality data for development and training of clinical prediction models. This talk will focus on how we are improving patient care in our transplant clinics at Charité with the help of EHR systems and use transplanted data to conduct machine learning research for transplant nephrology.



Short Bio: Dr. Marcel Naik is specialized in internal medicine and undergoes sub-specialization in nephrology at the Department of Nephrology, Charité Campus Mitte (CCM). His research interests are in the field of renal transplantation involving individualized immunosuppression, organ allocation and the clinical problems inherited in transplantation like (viral) infections and occurrence of cancers. He was funded by Berlin Institute of Health (BIH) within the Digital Clinician Scientist Program (2019-2022) and gained many insights in the collaboration with data scientists, statisticians and software developers.