

Jim Smit

PHD STUDENT · INTENSIVE CARE MEDICINE · CAUSAL INFERENCE · PREDICTIVE MODELLING

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Education

Intensive Care, Erasmus University Medical Center

PHD ARTIFICIAL INTELLIGENCE

- Promotor: D.A.M.P.J. Gommers
- Supervisors: J. van Bommel, M.E. van Genderen, J.H. Krijthe, M.J.T. Reinders

Rotterdam - Delft

September 2021 - present

Delft University of Technology

MS BIOMEDICAL ENGINEERING

- GPA: 8.2/10

Delft

September 2018 - July 2021

Delft University of Technology

BS CLINICAL TECHNOLOGY

- GPA: 7.68/10

Delft

2015 - 2018

Publications

PUBLISHED

Smit, JM, Krijthe JH, Tintu AN, et al. Development and validation of an early warning model for hospitalized COVID-19 patients: a multi-center retrospective cohort study. *Intensive Care Med* 2022;10:38.

Smit, JM, Krijthe JH, Endeman H, et al. Dynamic prediction of mortality in COVID-19 patients in the intensive care unit: A retrospective multi-center cohort study. *Intell Med* 2022;6:100071.

Smit, JM, van Genderen ME, Reinders MJT, et al. Demystifying machine learning for mortality prediction. *Crit Care* 2021;25:4-5.

van de Sande D, Van Genderen ME, **Smit, JM**, et al. Developing, implementing and governing artificial intelligence in medicine: a step-by-step approach to prevent an artificial intelligence winter. *BMJ Heal care informatics* 2022;29.

IN PREP

Causal inference using observational intensive care unit data: a systematic review and critical appraisal

Presentations

INVITED TALKS

November 2022. *AI in the ICU: from prediction to causal inference*. Invited talk: TOPICS in ICU, Utrecht, Netherlands.

CONTRIBUTED PRESENTATIONS

Smit, JM, Krijthe, JH, Tintu, AN et al. 2022. Early Warning for COVID-19. Poster: ESICM LIVES 40, Madrid, Spain.

Relevant Experience

2020 **Volunteering work**, Operation AIR (<https://www.operationair.org/en>)

2020 **Research Intern (Part-time)**, Clinical Chemistry Dept., Erasmus Medical Center

2019 **Intern Machine Learning engineer (full-time)**, Momo Medical