

PROCTOS KLINIEK

medisch centrum voor proctologische aandoeningen

- Reference Centre for Proctology
- Patient centred care
- Proctos Academy
- Research minded
- Data driven
- Team spirit
- Innovative

We offer a Research project for a
STUDENT Artificial Intelligence
or Data science (M/F)

'validation of a diagnostic tool'

in collaboration with the University of Utrecht

Are you fascinated by the impact AI can have in health care? Do you want to contribute to a project that can be easily implemented and therefore is a quick win to improve health care?

We are looking for student AI/data science to validate our diagnostic tool for anal complaints. People tend to find solutions on internet for their complaints because the threshold to seek medical care for anal complaints is high. Due to the measures related to the coronavirus, it was also difficult for patients to go to the general practitioner or hospital. As a result, they continue untreated, while complaints could possibly be solved in a simple manner. To help these people, a self-diagnosis tool was developed and made available on www.analeklachten.online. The simple tool is based on a decision tree and asks a maximum of 6 questions. The decision rules behind this tool are expert-based and were developed by surgeons of Proctos Kliniek. The accuracy of the online tool is unknown.

The research projects focuses primarily on the validation of the tool. About 2000 patients per month now use this tool. All questions in the tool appear in the much more extensive questionnaire for the first consultation with a surgeon. The availability of these data and associated data concerning diagnoses, treatment and results (provided by the surgeon) gives us the opportunity to test the tool and, hopefully, improve it using AI approaches. Good understanding of the Dutch language is recommended.

The Proctos Kliniek is located in Bilthoven, Amsterdam and Rotterdam. This project will be directed from Bilthoven and Utrecht.

Are you interested and do you want to push the project forward?

Please send your email to cbh.molenaar@proctoskliniek.nl

Please visit [our website](#) for more information.

