



Universiteit
Leiden

The Netherlands

Outcome after anterior cervical discectomy: from inferential statistics to Machine Learning

Goedmakers, C.M.W.

Citation

Goedmakers, C. M. W. (2023, December 20). *Outcome after anterior cervical discectomy: from inferential statistics to Machine Learning*. Retrieved from <https://hdl.handle.net/1887/3674247>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3674247>

Note: To cite this publication please use the final published version (if applicable).



Stellingen

behorende bij het proefschrift

Outcome After Anterior Cervical Discectomy From inferential statistics to machine learning

“There is no clinical benefit to implanting a cervical disc prosthesis, for patients with single level radiculopathy, as compared to, the gold standard, fusion.” - **This thesis**

“As mental well-being is known to influence clinical outcomes postoperatively, NDI serves as a comprehensive outcome measure for cervical spine surgery because it includes the broader aspects of well-being, rather than focusing solely on the mitigation of arm pain.”
- **This thesis**

“Utilizing Machine Learning in cervical spine analysis enables objectifying pattern recognition by statistical analysis of images, which surpasses the current reliance on human interpretation of patterns.” - **This thesis**

“Future research on image analysis of the spine should focus on integration of various models into a single, fully automated pathway, embedded in the electronic healthcare record, where input data is passively collected without the need for human intervention.” - **This thesis**

“AI will not replace doctors, but doctors who use AI will replace doctors who do not.”

“Machine learning will drastically change any profession relying on pattern recognition.”

“Er is geen competitie, je hebt geen concurrentie, jij bent de compositie van al je competenties.”

“A hospital bed is a parked taxi with the meter running.” - **Groucho Marx**

“Met een hamer in de hand is alles een spijker.” - **Freely translated from J.G.J. Huybregts (2023)**

“My favorite animal is the turtle. The reason is that in order for the turtle to move, it has to stick its neck out.” - **Ruth Westheimer (2004)**

“You have brains in your head. You have feet in your shoes. You can steer yourself any direction you choose. You're on your own, and you know what you know. You are the one who'll decide where to go.” - **Dr. Seuss (1990)**