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### Advanced diagnostic strategies for wrist trauma

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**ADVANCED DIAGNOSTIC STRATEGIES  
FOR WRIST TRAUMA**

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David W.G. Langerhuizen



# **Advanced Diagnostic Strategies for Wrist Trauma**

David W.G. Langerhuizen

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This thesis was embedded within the Department of Orthopaedic Surgery, Amsterdam UMC, University of Amsterdam, the Netherlands and the Department of Orthopaedic & Trauma Surgery, Flinders Medical Centre, Flinders University, Adelaide, Australia.

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# **Advanced Diagnostic Strategies for Wrist Trauma**

ACADEMISCH PROEFSCHRIFT

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op gezag van de Rector Magnificus  
prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde commissie,  
in het openbaar te verdedigen in de Agnietenkapel  
op vrijdag 11 maart 2022, te 10.00 uur

door

**David Wilto Gerard Langerhuizen**

geboren te Zevenaar

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Dit proefschrift is tot stand gekomen binnen een samenwerkingsverband tussen de Universiteit van Amsterdam en Flinders University, met als doel het behalen van een gezamenlijk doctoraat. Het proefschrift is voorbereid aan de Faculteit der Geneeskunde van de Universiteit van Amsterdam en aan het College of Medicine and Public Health van Flinders University.

The research project leading to this thesis was conducted under a Cotutelle arrangement between Flinders University and the University of Amsterdam. The thesis was prepared at the Faculty of Medicine of the University of Amsterdam and at the College of Medicine and Public Health of Flinders University.

# Advanced Diagnostic Strategies for Wrist Trauma

By

**David W.G. Langerhuizen**

*Thesis*

*Submitted to Flinders University  
for the degree of*

**Doctor of Philosophy**

College of Medicine and Public Health

15 September 2020

This thesis has been written within the framework of the Cotutelle Program, with the purpose of obtaining a joint doctorate degree. The thesis was prepared at the College of Medicine and Public Health of Flinders University and at the Faculty of Medicine of the University of Amsterdam.

I certify that this thesis does not incorporate without acknowledgment any material previously submitted for a degree or diploma in any university; and that to the best of my knowledge and belief it does not contain any material previously published or written by another person except where due reference is made in the text.

David Langerhuizen, 15-09-2020.

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Voor mijn ouders



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