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## Pulse pressure as a haemodynamic variable in systolic heart failure

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**Pulse Pressure as a haemodynamic variable  
in systolic heart failure**

Colin J. Petrie





university of  
 groningen

# **Pulse Pressure as a haemodynamic variable in systolic heart failure**

## **PhD thesis**

to obtain the degree of PhD at the  
 University of Groningen  
 on the authority of the  
 Rector Magnificus Prof. E. Sterken  
 and in accordance with  
 the decision by the College of Deans.

This thesis will be defended in public on  
 Monday 12 September 2016 at 16.15 hours

by

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There were no easy answers to what at first seems a very straight forward subject matter; that is, what is pulse pressure and is it important in heart failure? To approach this we had to address one question at a time. Only once we had an answer to that problem could we then, in a logical manner proceed to the next stage. The findings of our analyses would themselves pose more queries needing answered and thus acted as a stepping stone to the next stage of our enquiry.

For all of this I am deeply indebted to Professor Adriaan Voors for his ongoing enthusiasm over the long course of this project. He has been an inspiration to me as a researcher and has *always* been there on hand to answer emails, queries regarding data analysis, to proof read manuscript drafts and bounce ideas off. His generous hospitality from the outset in Groningen was very welcoming and much appreciated. Without Adriaan Voors there would be no thesis.

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