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## Effect of clinical pathway implementation and patients' characteristics on outcomes of coronary artery bypass graft surgery

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EFFECT OF CLINICAL  
PATHWAY IMPLEMENTATION  
AND PATIENTS'  
CHARACTERISTICS ON  
OUTCOMES OF CORONARY  
ARTERY BYPASS GRAFT  
SURGERY

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**Colofon**

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RIJKSUNIVERSITEIT GRONINGEN

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patients' characteristics on outcomes of  
coronary artery bypass graft surgery**

Proefschrift

ter verkrijging van het doctoraat in de  
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aan de Rijksuniversiteit Groningen  
op gezag van de  
Rector Magnificus, dr. F. Zwarts,  
in het openbaar te verdedigen op  
maandag 8 juni 2009  
om 16.15 uur

door

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geboren op 10 november 1973  
te Alexandria, Egypte

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To the memory of my Uncle Professor Samir Mustafa  
I miss you very much

To the memory of my God mother Iris Marini  
Non dimenticherò mai

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**Paranimfen:**

Klaske Wynia

Nehad El-Sayed Hussein El-Baz

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