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## Cementless total hip arthroplasty in rheumatoid arthritis

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VRIJE UNIVERSITEIT

# **Cementless total hip arthroplasty in rheumatoid arthritis**

Ongecementeerde heupprothesen bij reumatoïde arthritis

## **PROEFSCHRIFT**

ter verkrijging van de graad Doctor aan  
de Vrije Universiteit Amsterdam  
op gezag van de rector magnificus  
prof.dr. L.M. Bouter,  
in het openbaar te verdedigen  
ten overstaan van de promotiecommissie  
van de Faculteit der Geneeskunde  
op donderdag 28 maart 2013 om 15.45 uur  
in de aula van de universiteit,  
De Boelelaan 1105

door

**Robert Erna Albert Maria Zwartelé**

geboren te Nijmegen

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