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## Pathogenesis of nosocomial infections with *Enterococcus faecalis*

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# Pathogenesis of nosocomial infections with *Enterococcus faecalis*



RIJKSUNIVERSITEIT GRONINGEN



# **Pathogenesis of nosocomial infections with *Enterococcus faecalis***

## **Proefschrift**

ter verkrijging van het doctoraat in de  
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Pathogenesis of nosocomial infections with *Enterococcus faecalis*

Karola Waar

PhD Thesis, University of Groningen – with references – with summary in Dutch

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The cover shows the typical configuration 'kameelzakligging' of enterococci. The enterococcus on the left is filled with a picture of a Gram stain of enterococci in the bile of a liver transplant patient, the enterococcus on the right is filled with a picture of a mixed culture of *E. faecalis* and *E. faecium* hybridized with fluorescent DNA probes.

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**Paranimfen:**  
Harriët Hafkamp  
Marion Waar

*All the world's a stage;  
And all the men and women merely players:  
They have their exits and their entrances  
And one man in his time plays many parts....*

Shakespeare; *As you like it.*





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