University of Groningen

Hemostatic system activation and reperfusion injury in liver machine preservation and transplantation of extended criteria donor livers

Karangwa, Shanice

DOI:
[10.33612/diss.161905515](https://doi.org/10.33612/diss.161905515)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2021

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Karangwa, S. (2021). *Hemostatic system activation and reperfusion injury in liver machine preservation and transplantation of extended criteria donor livers*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.161905515>

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Hemostatic system activation and reperfusion injury in liver machine preservation and transplantation of extended criteria donor livers

Shanice Amy Karangwa

COLOFON

Hemostatic system activation and reperfusion injury in liver machine preservation and transplantation of extended criteria donor livers

Shanice A Karangwa

© Copyright S. A. Karangwa 2021, Amsterdam, the Netherlands

All rights reserved. No parts of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without written permission of the author or the publisher holding the copyright of the published articles.

Cover: Kenneth Mugisha

Printing: Ridderprint | www.ridderprint.nl

Financial support for printing of this thesis was obtained by generous contributions from the University of Groningen, University Medical Center Groningen, Graduate School of Medical Sciences (Research institute GUIDE) and the Nederlandse Transplantatie Vereniging

rijksuniversiteit
 groningen

Hemostatic system activation and reperfusion injury in liver machine preservation and transplantation of extended criteria donor livers

PhD thesis

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

This thesis will be defended in public on

Wednesday 7 April 2021 at 16:15 hours

by

Shanice Amy Karangwa

born on 16 June 1993
in Nairobi, Kenya

Promotores

Prof. dr. R.J. Porte

Prof. dr. J.A. Lisman

Assessment committee

Prof. dr. I.P.J. Alwayn

Prof. dr. K.N. Faber

Prof. dr. K. Meijer

Paranymphs:

Drs. S. L. Meyer

Drs. M.E. Arvidsson-Kvissberg

PART I

Activation of the hemostatic system