

University of Groningen

## Oxygenated machine perfusion of donor livers and limbs

Burlage, Laura

**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:*

2019

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

*Citation for published version (APA):*

Burlage, L. (2019). *Oxygenated machine perfusion of donor livers and limbs: Studies on endothelial activation and function*. [Thesis fully internal (DIV), University of Groningen].

### 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.

Stellingen behorende het proefschrift

# OXYGENATED MACHINE PERFUSION of DONOR LIVERS AND LIMBS

Studies on endothelial activation and function

1. End-ischemic hypothermic oxygenated machine perfusion is an elegant way to perform 'cardiopulmonary resuscitation' on donor livers
2. The benefit of biomechanical stimulation surpasses the potential risk of endothelial damage during *ex situ* end-ischemic hypothermic oxygenated machine perfusion of donor livers (*this thesis*)
3. Transplantation of donor livers that underwent end-ischemic hypothermic oxygenated machine perfusion requires modifications in the perioperative management from both surgeons and anesthesiologists (*this thesis*)
4. Acellular oxygen carrier HBOC-201 is a good alternative for red blood cells during normothermic machine perfusion of donor livers (*this thesis*)
5. Recombinant human soluble thrombomodulin (ART-123) is unlikely to provoke bleeding in patients undergoing liver transplantation (*this thesis*)
6. Subnormothermic machine perfusion with a HBOC-201 based perfusion solution results in better preservation of vascularized composite allografts compared to static cold preservation (*this thesis*)
7. Advances in preservation techniques have the potential to transform the field of vascularized composite allotransplantation and eventually lead to broader application of reconstructive transplantation (*this thesis*)
8. Imagination is the highest form of research (*Albert Einstein*)
9. Big dreams flow on good music
10. Wie zichzelf niet te serieus neemt, heeft tijd over voor serieuze zaken