

University of Groningen

Studies on injury and repair of donor bile ducts after liver transplantation

Sutton, Michael Edward

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:

2013

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

Citation for published version (APA):

Sutton, M. E. (2013). *Studies on injury and repair of donor bile ducts after liver transplantation*. s.n.

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).

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.

Studies on injury and repair of donor bile ducts after liver transplantation

Michael Edward Sutton

The printing of this thesis was financially supported by:
University of Groningen, University Medical Center Groningen (UMCG)

Copyright © 2013 Michael Edward Sutton, Groningen the Netherlands.

All rights reserved. No part of this thesis may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, without prior permission of the author.

ISBN 978-90-367-6520-6

ISBN (electronical) 978-90-367-6524-4

Author: Michael Edward Sutton

Cover design: Ellen Beck

Layout design: Ellen Beck

Fotography: Sieta Schellinger

Print: Gildeprint drukkerijen, Enschede, the Netherlands

Parts of this thesis are funded by the Junior Scientific Masterclass (JSM), Groningen Graduate School for Drug Exploration (GUIDE), Jan Kornelis de Cock Foundation, Innovatief Actieprogramma Groningen (IAG-3) and Tekke Huizinga Fonds

RIJKSUNIVERSITEIT GRONINGEN

Studies on injury and repair of donor bile ducts after liver transplantation

Proefschrift

ter verkrijging van het doctoraat in de
Medische Wetenschappen
aan de Rijksuniversiteit Groningen
op gezag van de
Rector Magnificus, dr. E. Sterken,
in het openbaar te verdedigen op
maandag 18 november 2013
om 16.15 uur

door

Michael Edward Sutton

geboren op 19 januari 1985

te Groningen

Promotores:

Prof. dr. R.J. Porte
Prof. dr. J. A. Lisman

Beoordelingscommissie:

Prof. dr. K.N. Faber
Prof. dr. E.J. van der Jagt
Prof. dr. G. Kazemier

ISBN:

978-90-367-6520-6

Paranimfen:

drs. F. Hoexum

Dhr. B. Wobbes

Aan mijn ouders,

| | | |
|---|---|-----------------|
| 1 | General introduction, rationale and outline of the thesis. | Page 11 |
| 2 | Protection of bile ducts in liver transplantation: looking beyond ischemia. <i>Transplantation</i> . 2011;92(4):373-379 | Page 17 |
| 3 | Duct-to-duct biliary reconstruction in liver transplantation for primary sclerosing cholangitis is associated with less biliary complications, compared with Roux-en-Y hepatico-jejunostomy. (<i>manuscript submitted</i>) | Page 35 |
| 4 | Peak alanine aminotransferase as predictor of non-anastomotic biliary stricture formation after cardiac death liver donation. (<i>manuscript submitted</i>) | Page 51 |
| 5 | Regeneration of human extrahepatic biliary epithelium: the peribiliary glands as progenitor cell compartment. <i>Liver Int.</i> 2012;32(4):554-559 | Page 67 |
| 6 | Recipient-derived cells are present in the human extrahepatic bile duct after sex-mismatched liver transplantation. (<i>manuscript submitted</i>) | Page 81 |
| 7 | Hypothermic oxygenated machine perfusion prevents arteriolone- crosis of the peribiliary plexus in pig livers donated after cardiac death. (<i>manuscript submitted</i>) | Page 93 |
| 8 | Criteria for viability assessment of discarded human donor livers during <i>ex-vivo</i> normothermic machine perfusion. (<i>manuscript submitted</i>) | Page 113 |
| 9 | Summary, discussion and future perspectives. | Page 131 |
| | Nederlandse samenvatting | Page 143 |
| | Dankwoord | Page 149 |
| | Curriculum Vitae | Page 156 |

9



8



7



6



5



4



3



2



1



