



## UvA-DARE (Digital Academic Repository)

### Quantitative and localized spectroscopy for non-invasive bilirubinometry in neonates

Bosschaart, N.

**Publication date**  
2012

[Link to publication](#)

#### **Citation for published version (APA):**

Bosschaart, N. (2012). *Quantitative and localized spectroscopy for non-invasive bilirubinometry in neonates*. [Thesis, fully internal, Universiteit van Amsterdam].

#### **General rights**

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), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

#### **Disclaimer/Complaints regulations**

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

**Quantitative and localized spectroscopy for non-invasive  
bilirubinometry in neonates**

**Nienke Bosschaart**

---

Quantitative and localized spectroscopy for non-invasive bilirubinometry in neonates  
PhD thesis, University of Amsterdam, The Netherlands

The research described in this thesis was supported by the Vernieuwings-impuls program (AGT07547) of the Netherlands Organization of Scientific Research (NWO) and the Technology Foundation STW.

Printing of this thesis was kindly sponsored by:



Ocean Optics, Inc.

**Author:** Nienke Bosschaart

**ISBN:** 978-94-6182-065-5

**Printing:** Off Page, [www.offpage.nl](http://www.offpage.nl)

Copyright 2012 © Nienke Bosschaart, Amsterdam, The Netherlands. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the copyright owner.

---

**Quantitative and localized spectroscopy for non-invasive  
bilirubinometry in neonates**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor

aan de Universiteit van Amsterdam

op gezag van de Rector Magnificus

prof.dr. D.C. van den Boom

ten overstaan van een door het college voor promoties ingestelde  
commissie, in het openbaar te verdedigen in de Agnietenkapel

op donderdag 8 maart 2012, te 14:00 uur

door Nienke Bosschaart

geboren te Stede Broec

## **Promotiecommissie**

Promotor: Prof.dr. A.G.J.M. van Leeuwen

Co-promotor: dr.ing. M.C.G. Aalders

Overige leden:  
Prof.dr. M.J. Schultz  
Prof.dr.ir. C. Ince  
Prof.dr.ir. R.M. Verdaasdonk  
Prof.dr. A. Mahadevan-Jansen  
Prof.dr.ir. W. Steenbergen

Faculteit der Geneeskunde