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

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**Publication date**  
2012

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

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

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## List of publications

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- N. Bosschaart, M.C.G. Aalders, D.J. Faber, J.J.A. Weda, M.J.C. van Gemert, T.G. van Leeuwen, "Quantitative measurements of absorption spectra in scattering media by low-coherence spectroscopy", *Optics Letters* **34**(23), 3746-3748 (2009)
- N. Bosschaart, D.J. Faber, T.G. van Leeuwen, M.C.G Aalders, "Measurements of wavelength dependent scattering and backscattering coefficients by low-coherence spectroscopy", *Journal of Biomedical Optics*, **16**(3), 030503 (2011)
- N. Bosschaart, R. Mentink, J.H. Kok, T.G. van Leeuwen, M.C.G. Aalders, "Optical properties of neonatal skin measured *in vivo* as a function of age and skin pigmentation", *Journal of Biomedical Optics* **16**(9), 097003 (2011)
- N. Bosschaart, D.J. Faber, T.G. van Leeuwen, M.C.G Aalders, "*In vivo* low-coherence spectroscopic measurements of local hemoglobin absorption spectra in human skin" *Journal of Biomedical Optics* **16**(10), 100504 (2011)
- N. Bosschaart, J.H. Kok, A.M. Newsum, D.M. Ouweneel, R.M. Mentink, T.G. van Leeuwen, M.C.G. Aalders, "Limitations and opportunities of transcutaneous bilirubin measurements", *Pediatrics* **129**(4), in press (2012)
- N. Bosschaart, D.J. Faber, M.C.G. Aalders, T.G. van Leeuwen, "Spectroscopic detection in low-coherence spectroscopy", in preparation