

Examencommissie/Board of examiners**Prof. René Frydman**

Service de Gynécologie-Obstétrique et Médecine de la Reproduction
Hôpital Antoine-Béclère, Clamart, France

Prof. Joep Geraedts

Department of Genetics and Cell Biology, Research Institute GROW
Maastricht University, The Netherlands

Prof. Etienne Van den Abbeel

Department for Reproductive Medicine, UZ Gent
Universiteit Gent

Prof. Maryse Bonduelle

Centre for Medical Genetics, UZ Brussel
Vrije Universiteit Brussel

Prof. Michel De Vos

Centre for Reproductive Medicine, UZ Brussel
Vrije Universiteit Brussel

Prof. Chris van Schravendijk, voorzitter/chairman

Diabetes Research Center
Vrije Universiteit Brussel

Prof. Paul Devroey, promotor**Prof. Herman Tournaye, co-promotor**

Centre for Reproductive Medicine, UZ Brussel
Vrije Universiteit Brussel

Doctoraat Medische Wetenschappen
PhD in Medical Sciences
2011-2012

Openbare verdediging van/*Public defence of*

Patricio DONOSO

Voor het behalen van de academische graad van
'DOCTOR IN DE MEDISCHE WETENSCHAPPEN'
To obtain the academic degree of
'DOCTOR IN MEDICAL SCIENCES'

Preimplantation genetic aneuploidy screening

Promotor: prof. Paul Devroey

Co-promotor: prof. Herman Tournaye

Monday 3 September 2012

Auditorium Brouwer, 17:00

Faculty of Medicine and Pharmacy, Laarbeeklaan 103, 1090 Brussel

How to reach the campus Jette:

<http://www.vub.ac.be/english/infoabout/campuses>

Please confirm your presence to Sofie.DeMoor@uzbrussel.be



Situering van het proefschrift/*Summary of the dissertation*

Preimplantation genetic screening has been performed for almost two decades as a method to improve morphology based embryo selection in patients with high embryo numerical chromosomal abnormalities rates (Advanced maternal age (AMA), recurrent miscarriage (RM) and recurrent implantation failure (RIF)).

The studies included on the present thesis show that PGS does not perform better than morphological evaluation in young women undergoing SET nor on advanced maternal age women as shown by the systematic review of the literature. Further research is needed on the application of embryo chromosomal assessment in couples undergoing ICSI because of azoospermia. Patients repeating PGS treatment have a high chance of finding at least one euploid embryo to transfer. The best available evidence does not support the use of PGS in recurrent miscarriage and RIF.

Curriculum Vitae

Patricio Donoso was born in Santiago de Chile in March 1972. He studied Medicine at Universidad de Chile where he graduated in 1997, followed by a residency in Obstetrics and Gynecology at Universidad de Santiago de Chile. He obtained the Ob & Gyn degree in 2001. Between 2002-2003 he performed his fellowship in Reproductive Medicine at Clinica Alemana de Santiago followed by one year at the Centre for Reproductive Medicine, Dutch-Speaking Brussels Free University, Belgium (2005-2006)

He is author and co-author of 19 articles published on peer-reviewed journals and two Book Chapters.

Patricio is married to Jeanne Smith and has two daughters (Josefa and Florencia) and a son (Pedro).