CAE Fidelis™ Maternal Fetal Simulator development partners and validation studies

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Developed in collaboration with Instituto de Engenharia Biomédica (INEB) at the University of Porto in Portugal.
DIogo Ayres-de-Campos, MD, PhD Biography and Publications

DIogo Ayres-de-Campos, MD, PhD is currently Associate Professor at the University of Porto and Consultant in Obstetrics at the S. Joao Hospital in Porto, Portugal. He was the labour ward lead between 2004 and 2008.

His main areas of interest are intrapartum fetal monitoring and obstetric simulation. He has published 65 papers in international indexed peer-reviewed journals, edited 3 books and authored 35 book chapters. He is an Editor or member of the scientific council in 3 peer-reviewed journals, and was the editor-in-chief of the Acta Obstetrica e Ginecologica Portuguesa between 2006 and 2010.

He is currently the treasurer of the Federation of Portuguese Societies of Obstetrics and Gynecology and the co-ordinator for obstetric simulation in Portugal at the Portuguese College of Obstetrics and Gynecology. He presides over the Portuguese Health Authority nominated “Comission for Reduction of Cesarean Section rates”.

He is a Council Member of the European Board and College of Obstetrics and Gynecology, and a member of its Working Group on Simulation Consortium. He is also a member of the Study Group on Intrapartum Monitoring of the European Association of Perinatal Medicine, and of the Safe Motherhood and Newborn Health committee at FIGO, where he is co-ordinating the revision of the FIGO guidelines on intrapartum fetal monitoring.

Physiological Modeling Validation Studies Related to the CAE Fidelis Maternal Fetal Simulator


Willem L. VAN MEURS, Ph.D. Biography and Publications

Willem L. van Meurs was born in Rotterdam, The Netherlands, in 1962. He obtained the MSc degree in electrical engineering at the Eindhoven University of Technology in 1987, and the Doctoral degree in control engineering from Paul Sabatier University, Toulouse, France, in 1991. At the University of Florida, from 1992-1998, he was co-inventor of the Human Patient Simulator, commercialized by CAE Healthcare, Sarasota, Florida. At the University of Porto from 1998-present, he was the lead inventor of a training simulator for obstetric emergencies. As a consultant to CAE Healthcare, from 1998-present, he was co-developer of the simulators: PediaSIM, BabySIM, iStan, and METIman, as well as of the Müse software. He presided the Society in Europe for Simulation Applied to Medicine (SESAM) from 2005-2007. He is the author of "Modeling and simulation in biomedical engineering: Application to cardiorespiratory physiology", New York, McGraw-Hill Professional, July 2011. He lives with his wife and two children in Lahitte-Toupière, France.

MONOGRAPH


BOOK


INVITED ARTICLES


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educational simulation of labour and delivery, Med Eng Phys. 2010 Sep;32(7):740-5.


BOOK CHAPTERS


