

Cambridge University Press

978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology

Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk

Frontmatter

[More information](#)

---

# Pregnancy After Assisted Reproductive Technology

---

Cambridge University Press  
978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology  
Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk  
Frontmatter  
[More information](#)

---

Cambridge University Press

978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology

Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk

Frontmatter

[More information](#)

# Pregnancy After Assisted Reproductive Technology

---

Edited by

**Eric R. M. Jauniaux**

Professor of Obstetrics and Fetal Medicine at the UCL EGA Institute for Women's Health, University College London, London, UK

**Botros R. M. B. Rizk**

Professor of Obstetrics and Gynecology and Director of the Division of Reproductive Endocrinology and Infertility, University of South Alabama College of Medicine, Mobile, AL, USA



**CAMBRIDGE**  
UNIVERSITY PRESS

Cambridge University Press  
 978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology  
 Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk  
 Frontmatter  
[More information](#)

CAMBRIDGE UNIVERSITY PRESS  
 Cambridge, New York, Melbourne, Madrid, Cape Town,  
 Singapore, São Paulo, Delhi, Tokyo, Mexico City

Cambridge University Press  
 The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

[www.cambridge.org](http://www.cambridge.org)  
 Information on this title: [www.cambridge.org/9781107006478](http://www.cambridge.org/9781107006478)

© Cambridge University Press 2012

This publication is in copyright. Subject to statutory exception  
 and to the provisions of relevant collective licensing agreements,  
 no reproduction of any part may take place without the written  
 permission of Cambridge University Press.

First published 2012

Printed in the United Kingdom at the University Press, Cambridge

*A catalogue record for this publication is available from the British Library*

*Library of Congress Cataloguing in Publication data*  
 Pregnancy after assisted reproductive technology / edited by Eric R.M. Jauniaux,  
 Botros R.M.B. Rizk.

p. ; cm.

Includes bibliographical references and index.

ISBN 978-1-107-00647-8 (hardback)

I. Jauniaux, E. II. Rizk, Botros.

[DNLM: 1. Reproductive Techniques, Assisted. 2. Infertility. 3. Pregnancy  
 Complications. WQ 208]

616.6'92-dc23

2012013395

ISBN 978-1-107-00647-8 Hardback

Cambridge University Press has no responsibility for the persistence or  
 accuracy of URLs for external or third-party internet websites referred to  
 in this publication, and does not guarantee that any content on such  
 websites is, or will remain, accurate or appropriate.

Every effort has been made in preparing this book to provide accurate and up-to-date information which is in accord with  
 accepted standards and practice at the time of publication. Although case histories are drawn from actual cases, every effort has  
 been made to disguise the identities of the individuals involved. Nevertheless, the authors, editors and publishers can make no  
 warranties that the information contained herein is totally free from error, not least because clinical standards are constantly  
 changing through research and regulation. The authors, editors and publishers therefore disclaim all liability for direct or  
 consequential damages resulting from the use of material contained in this book. Readers are strongly advised to pay careful  
 attention to information provided by the manufacturer of any drugs or equipment that they plan to use.

Cambridge University Press  
978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology  
Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk  
Frontmatter  
[More information](#)

---

Thank you to our families for their constant support during the  
production of this book.

Cambridge University Press  
978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology  
Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk  
Frontmatter  
[More information](#)

---

## Contributors page viii

*Index* 193

The color plates can be found between pages 118 and 119.

# Contributors

**Antonia Bazzocchi**  
Infertility and IVF Center, University Hospital  
S. Orsola-Malpighi, University of Bologna, Bologna,  
Italy

**Ido Ben-Ami**  
Department of Obstetrics and Gynecology, Assaf  
Harofeh Medical Center, Zerifin, Israel

**Melanie C. Davies**  
Reproductive Medicine Unit, University College  
London Hospital, London, UK

**Andrea Day**  
Gynaecology Diagnostic and Outpatient Treatment  
Unit, University College Hospital, London, UK

**Paul Devroey**  
Department of Gynaecology and Reproductive  
Medicine, Universitair Ziekenhuis Brussel, Brussels,  
Belgium

**Eric R. M. Jauniaux**  
Institute for Women’s Health, Royal Free and  
University College London Medical School, London,  
UK

**Davor Jurkovic**  
Gynaecology Diagnostic and Outpatient  
Treatment Unit, University College Hospital,  
London, UK

**Dimitra S. Kyrrou**  
Department of Obstetrics and Gynecology, Medical  
School, Aristotle University of Thessaloniki,  
Thessaloniki, Greece

**Annika K. Ludwig**  
Amedes Group Hamburg, Hamburg, Germany

**Michael Ludwig**  
Amedes Group Hamburg, Hamburg, Germany

**Ron Maymon**  
Department of Obstetrics and Gynecology, Assaf  
Harofeh Medical Center, Zerifin, Israel

**Eleonora Porcu**  
Infertility and IVF Center, University Hospital  
S. Orsola-Malpighi, University of Bologna, Bologna,  
Italy

**Lesley Regan**  
Department of Obstetrics and Gynaecology, Imperial  
College London, St Mary’s Campus, London, UK

**Botros R. M. B. Rizk**  
Division of Reproductive Endocrinology and  
Infertility, University of South Alabama College of  
Medicine, Mobile, AL, USA

**Raphael Ron-El**  
Infertility and IVF Unit, Assaf Harofeh Medical  
Center, Tel Aviv University, Tel Aviv, Israel

**Sotirios H. Saravelos**  
Department of Obstetrics and Gynaecology, Imperial  
College London, St Mary’s Campus, London, UK

**Gamal I. Serour**  
Al Azhar University, The Egyptian IVF and ET Center,  
Maadi, Cairo, Egypt

**Françoise Shenfield**  
Institute for Women’s Health, Royal Free and  
University College London Medical School, London,  
UK

**Sherman J. Silber**  
Infertility Center of St. Louis, St. Luke’s Hospital, St.  
Louis, MO, USA and Academic Medical Center for  
Reproductive Medicine, Amsterdam, the Netherlands

**Tajinder Singhrao**  
Institute of Child Health, University College London,  
London, UK



Cambridge University Press  
978-1-107-00647-8 - Pregnancy After Assisted Reproductive Technology  
Edited by Eric R. M. Jauniaux and Botros R. M. B. Rizk  
Frontmatter  
[More information](#)

Contributors

**Alastair G. Sutcliffe**  
Institute of Child Health, University College London,  
London, UK

**Basil C. Tarlatzis**  
Department of Obstetrics and Gynecology, Medical  
School, Aristotle University of Thessaloniki,  
Thessaloniki, Greece

**Willem Verpoest**  
Centre for Reproductive Medicine,  
Universitair Ziekenhuis Brussel, Brussels,  
Belgium

**Ephia Yasmin**  
Reproductive Medicine Unit, University College  
London Hospital, London, UK