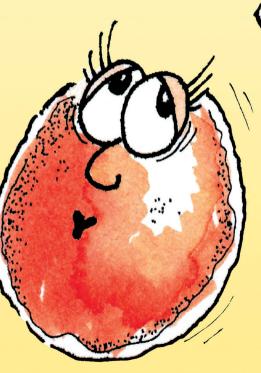
Fertility Problems

a simple guide





Ruth Chambers

FERTILITY PROBLEMS

A simple guide

Ruth Chambers



CRC Press is an imprint of the Taylor & Francis Group, an **informa** business

First published 1999 by Radcliffe Publishing

Published 2016 by CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NW, Suite 300 Boca Raton, FL 33487-2742

©1999 Ruth Chambers Illustrations ©1999 Martin Davies CRC Press is an imprint of Taylor & Francis Group, an Informa business

No claim to original U.S. Government works

ISBN 13: 9781-8-5775-302-8 (pbk)

This book contains information obtained from authentic and highly regarded sources. While all reasonable efforts have been made to publish reliable data and information, neither the author[s] nor the publisher can accept any legal responsibility or liability for any errors or omissions that may be made. The publishers wish to make clear that any views or opinions expressed in this book by individual editors, authors or contributors are personal to them and do not necessarily reflect the views/opinions of the publishers. The information or guidance contained in this book is intended for use by medical, scientific or health-care professionals and is provided strictly as a supplement to the medical or other professional's own judgement, their knowledge of the patient's medical history, relevant manufacturer's instructions and the appropriate best practice guidelines. Because of the rapid advances in medical science, any information or advice on dosages, procedures or diagnoses should be independently verified. The reader is strongly urged to consult the relevant national drug formulary and the drug companies' and device or material manufacturers' printed instructions, and their websites, before administering or utilizing any of the drugs, devices or materials mentioned in this book. This book does not indicate whether a particular treatment is appropriate or suitable for a particular individual. Ultimately it is the sole responsibility of the medical professional to make his or her own professional judgements, so as to advise and treat patients appropriately. The authors and publishers have also attempted to trace the copyright holders of all material reproduced in this publication and apologize to copyright holders if permission to publish in this form has not been obtained. If any copyright material has not been acknowledged please write and let us know so we may rectify in any future reprint.

Except as permitted under U.S. Copyright Law, no part of this book may be reprinted, reproduced, transmitted, or utilized in any form by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying, microfilming, and recording, or in any information storage or retrieval system, without written permission from the publishers.

Trademark Notice: Product or corporate names may be trademarks or registered trademarks, and are used only for identification and explanation without intent to infringe.

Visit the Taylor & Francis Web site at http://www.taylorandfrancis.com

and the CRC Press Web site at http://www.crcpress.com

British Library Cataloguing in Publication Data

A catalogue record for this book is available from the British Library.

► CONTENTS

Preface	vii
Acknowledgements	xi
Part 1: Introduction to the problem of infertility	1
1 An overview of infertility	2
1 An overview of infertility How common is infertility?	3
Causes of infertility	4
Licensed and unlicensed treatment options	8
The Human Fertilisation and Embryology Authority (HFEA)	9
The over-riding importance of the welfare of the child	10
Part 2: Managing infertility in general practice	15
2 The GP eye view of the symptoms and signs	17
In the woman	17
In the man	18
3 Initial management by the GP	21
Advice and checks	21
Initial tests by the GP	26

IV CONTENTS

Pc	art 3: Managing infertility in	
	econdary care	31
4	Referring the infertile couple for specialist help	33
	Reasons for referring patients early	34
	Choosing the fertility clinic	35
5	Fertility treatments	39
	An overview of fertility treatments	39
	Range of fertility treatments	44
	Ways of assisting conception	47
6	Risks of fertility treatments	63
	Multiple pregnancy	63
	Ovarian hyperstimulation syndrome (OHSS)	66
	Medical complications	67
	The emotional rollercoaster of fertility treatment	68
	The potential risk of ovarian cancer	70
Po	art 4: The wider aspects of	
fe	rtility treatment	73
7	The wider aspects of fertility treatment	75
	Cryopreservation therapy	75
	The removal and storage of testicular or ovarian tissue	76
	Donation of gametes	77
	Payments to donors and 'egg sharing' in IVF	79
	Pre-implantation genetic diagnosis	81
	Counselling	82
	Ethics committees	84
	Genetic testing	84
	Issues of consent	86
	Surrogacy	88
	Cloning	90
	Research involving human embryos	92

20	NTENTS	
	8 The costs and availability of fertility treatment Rationing and eligibility for fertility treatment	95 96
	Appendix 1: Organisations	99
	Appendix 2: Books/booklets	101
	Glossary	103
	Index	105



PREFACE

Patients want simple, clear information about the options, risks and implications of infertility treatment when they are feeling emotional at a vulnerable stage of their lives. They often ask their doctors for explanations and advice about their feelings and experiences of treatment. GPs and hospital doctors in turn need clear unambiguous information about best practice in a complex field, to be able to explain and discuss the complicated medical management and ethical dilemmas that face their patients who are seeking assistance for their infertility.

The book was 'conceived' by Ruth Chambers during her recent term as a member of the Human Fertilisation and Embryology Authority. Having been a GP for 18 years and caring for many patients with infertility problems, she is aware of how difficult it is for patients and doctors to keep abreast of all the new and complex developments in fertility treatment. Patients need to understand and think through the issues to be able to fully participate in the decisions made about their care.

It is really important for the welfare of the child-to-be and the would-be parents, that general practitioners work closely with fertility experts to provide seamless care for infertile couples. Some GPs shy away from the seeming complexities of fertility treatments and are reluctant to contribute to the assessment of couples' suitability as prospective parents. Clear and specific information should enable health professionals and patients alike to understand the complicated medical and ethical situations that are integral to the management of those with infertility and participate more fully in decisions about their care.

This book seeks to describe current thinking and best practice in the management of infertility in such a way that those doctors, other health professionals or patients who are new to the field can appreciate the key issues and concerns. It draws heavily on the publications from the Human Fertilisation and

VIII PREFACE

Embryology Authority and the evidence-based clinical guidelines on the management of infertility recently published by the Royal College of Obstetricians and Gynaecologists which were supported by the clinical effectiveness programme of the NHS Executive.

Guidelines are raining down on GPs' heads from all directions, some offering conflicting advice, others complicated instructions. The Royal College of Obstetricians and Gynaecologists' guidelines^{1,2} give the evidence for best practice in managing infertility in primary and secondary care settings. They have been developed by a multidisciplinary group including GPs, nurses and users as well as fertility experts, overseeing a dedicated research team undertaking systematic reviews of the literature on the topic. The draft guidelines were peer reviewed by a variety of health professionals and patients, and amended accordingly. The resulting national guidelines are intended to be adapted to local circumstances and used for commissioning high quality infertility care. For simplicity the main guidelines, reviews and reports will be referred to in support of the information given here, rather than the references being given to the hundreds of individual published research papers that they considered. The guidelines^{1,2} themselves are graded according to how robust the evidence cited is, and whether statements are scientifically proven, are backed by good research or are the opinion of experts in the field.

We know that GPs who use infertility guidelines are more likely to undertake a more comprehensive work-up prior to referral including seeing and examining both partners, initiating basic investigations and speeding up the referral process.³

Ruth Chambers *April 1999*

References

- 1 Royal College of Obstetricians and Gynaecologists (1998) The initial investigation and management of the infertile couple. Evidence-based clinical guidelines. No. 2. Royal College of Obstetricians and Gynaecologists, London (0171 772 6275).
- 2 Royal College of Obstetricians and Gynaecologists (1998) The management of infertility in secondary care. Evidence-based clinical guidelines. No. 3. Royal College of Obstetricians and Gynaecologists, London (0171 772 6275).
- 3 Emslie C, Grimshaw J and Templeton A (1993) Do clinical guidelines improve general practice management and referral of infertile couples? *BMJ*. **306**: 1728–31.



► ACKNOWLEDGEMENTS

I am very grateful to Suzanne McCarthy, the Chief Executive of the Human Fertilisation and Embryology Authority (HFEA) and her colleagues for their detailed feedback on the book as it was compiled. Much of the material in the book has been informed by the extensive working papers and documents produced by the HFEA which anticipate and address medical and ethical issues arising from assisted reproduction. I should also like to acknowledge the contribution that the *Guidelines* on the management of infertility published by the Royal College of Obstetricians and Gynaecologists have made to this book and will make to those working in primary care and hospital settings.

