1. Record Nr. UNINA9910814117003321

Autore	Elder Kay <1946->
Titolo	In vitro fertilization / / Kay Elder, Brian Dale
Pubbl/distr/stampa	Cambridge ; ; New York, : Cambridge University Press, 2000
ISBN	1-107-11136-6 9786610154746 1-280-15474-8 0-511-14910-7 0-511-04996-X 0-511-11853-8 0-511-54514-2 0-511-30946-5
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xii, 310 pages) : digital, PDF file(s)
Altri autori (Persone)	DaleBrian
Disciplina	618.1/78059
Soggetti	Fertilization in vitro, Human
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	On previous ed. Brian Dale appears first.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminaries; Contents; Preface; Acknowledgments; 1 Introduction; 2 Producing gametes; 3 Sperm-oocyte interaction; 4 First stages of development; 5 Endocrine control of reproduction; 6 Assisted reproductive technology in farm animals; 7 The clinical in vitro fertilization laboratory; 8 Semen analysis and preparation for assisted reproductive techniques; 9 Oocyte retrieval and embryo culture; 10 Cryopreservation; 11 Micromanipulation techniques; 12 Preimplantation genetic diagnosis; Index
Sommario/riassunto	This comprehensively updated and expanded second edition builds on its successful and popular predecessor, retaining the practical features which made the first edition such an essential guide to IVF. The edition describes additions to the range of ART clinical treatments, including the use of testicular and epididymal sperm, blastocyst stage transfer, and new perspectives in cryobiology and cryopreservation techniques. By incorporating laboratory techniques and protocols, with an even greater emphasis on quality control, it provides an indispensable and

practical account. The introductory chapters covering the scientific background that underpins effective laboratory practice have been substantially expanded, derived from research in mammalian systems into the molecular biology of oogenesis, oocyte maturation, and early embryo metabolism. This second edition distils a wealth of practical and scientific detail for the benefit of all IVF practitioners.