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Nota di contenuto	Part I: Assessment.-Assessment of Tubal Patency -- Assessment of Uterine Anatomy and Implications of Müllerian Disorders and Acquired Uterine Lesions on Fertility -- Assessment of Ovarian reserve and its implications on Fertility -- AMH and Medically Assisted Reproduction -- Assessment of the Male Partner -- Part II: Ovarian Stimulation and Egg Retrieval -- Analyses and Approaches to Improve IUI Outcome -- Letrozole in Fertility Therapy -- Gonadotropin-Releasing Hormone and Its Analogues -- GnRH Agonist Protocols -- GnRH Antagonist Protocols -- Corifollitropin alfa in Ovarian Stimulation -- Transdermal Delivery Systems in Medically Assisted Reproduction -- Ovulation Induction for the Woman with Hypogonadotropic Hypogonadism -- Ovarian Stimulation Using Oral Therapy Protocols for the Ovulatory Patient Undergoing Intrauterine Insemination -- Ovarian Stimulation Using Gonadotropins Protocols for Ovulatory Patient Undergoing IUI -- Hyperprolactinemia: Effect on Reproduction, Diagnosis, and Management -- Natural Cycle IVF/modified natural cycle IVF and natural cycle IVF/IVM -- Unconventional Ovarian Stimulation for Medically Assisted Reproduction -- Endocrine Monitoring of Controlled Ovarian Stimulation for Medically Assisted Reproduction -- Ovulation Triggers -- The Art of Anesthesia in Medically Assisted Reproduction -- Embryo Transfer -- Part III: Medically Assisted Reproduction Under

pecial Circumstances -- Surgical Sperm Retrieval and MicroTESE -- Surgical Management of Endometriosis -- Elective Surgical Removal of Hydrosalpinges -- Lateral Metroplasty and Hysteroscopic Uterine Septum Surgery -- Obesity and Medically Assisted Reproduction -- Polycystic Ovarian Syndrome and Medically Assisted Reproduction -- Laparoscopic Ovarian Drilling in Polycystic Ovary Syndrome -- Care of the Diabetic Woman Undergoing Medically Assisted Reproduction -- Vitamin D Deficiency and Medically Assisted Reproduction -- Medically Assisted Reproduction and Autoimmunity -- Immunotherapies and Unexplained Infertility -- Human Leukocyte Antigens (HLA) Typing in Medically Assisted Reproduction -- Medically Assisted Reproduction in Women with Bleeding Disorders -- Bleeding Disorders and Medically Assisted Reproduction -- Medically Assisted Reproduction in Organ Transplant Recipients -- Ovarian Hyperstimulation Syndrome -- Same-Sex Couples and Single Women Undergoing Medically Assisted Reproduction -- Treating the Transgender Patient -- Transvaginal Sonography Guided Management of Ectopic Pregnancies.-Part IV: Improving Outcomes in Medically Assisted Reproduction -- Multiple Pregnancies as a Complication of Medically Assisted Reproduction -- Multiple Birth Minimisation Strategies -- Multifetal Reduction Following Medically Assisted Reproduction -- Perinatal Outcome of ART Pregnancies -- Effectiveness and Safety of Freeze All Strategy with Regard to Medically Assisted Reproduction and Perinatal Outcomes -- Blastocyst Transfer for Everyone? -- Endometrial Receptivity Testing -- Androgens for Improving Ovarian Response to Stimulation -- Part V: Third Party Reproduction -- Oocyte Donation -- Sperm Donation -- Embryo Donation -- Gestational Surrogacy -- Uterus Transplantation: An Experimental Approach -- Part VI: Fertility Preservation -- Semen Cryopreservation: A Practical Guide -- Cryopreservation of Human Embryos: Basic Principles and Current Considerations -- Fertility Preservation in Pre-Pubertal Children -- Fertility Preservation for Prepubertal Boys at Risk of Infertility -- Recent Advances in Fertility Preservation -- Prevention of Gonadotoxicity.-Ovarian Tissue Cryopreservation -- Effects of Ethnicity on Ovarian Stimulation and Fertility Preservation -- Managing a Sperm Cryobank -- Managing an Embryo Cryobank -- Part VII: Counselling -- Psychological Aspects of Infertility -- Counselling Prior to Medically Assisted Reproduction -- Part VIII: Genetic Testing -- Noninvasive Prenatal Testing: Current Status -- Reproductive Genetics for the Clinician.-. IVF Lite (Accuvit + PGT-A) -- Relevance of Embryo Aneuploidy in Medically Assisted Reproduction -- PGT-M for couples with a single gene disorder -- PGT-A in Recurrent Miscarriage -- Part IX: IVF Laboratory -- Setting Up an IVF Laboratory -- Air Quality in the IVF Laboratory -- pH, Temperature, and Light -- A Comparison of Embryo Culture Incubators for the IVF Laboratory -- Quality Management Systems -- Risk Management in Medically Assisted Reproduction -- Screening for Infections Prior to Medically Assisted Reproduction -- Treating Patients with Blood-Borne Viruses -- Laboratory Aspects of In Vitro Maturation Cycles -- Complications of Oocyte Retrieval -- Follicular Flushing at Oocyte Retrieval in Medically Assisted Reproduction -- Handling Unhealthy or Poor-Quality Sperm Samples in a Medically Assisted Reproduction Laboratory -- Conventional IVF -- ICSI: Yesterday, Today and Tomorrow -- Sperm Selection Techniques for ICSI -- Selecting Sperm with Hyaluronic Acid: Evidence Base for Efficacy and Practical Applications -- Sperm Separation Protocols -- Embryo Development: From Zygote to Blastocyst -- Time-Lapse Monitoring -- Index.

provides a multidisciplinary overview of the diagnosis and management of infertility, which affects 15% of all couples around the world. The book aims to cover all aspects of assisted reproduction. Particular attention is given to topics such as the assessment of infertile couples; assisted reproductive techniques (ARTs) including ovulation induction, intra uterine insemination (IUI), in vitro fertilization (IVF) and intracytoplasmic sperm injection (clinical and laboratory aspects); reproductive genetics; and obstetric and perinatal outcomes.
