Record Nr. UNINA9910788568403321 **Titolo** Innovations in neonatal-perinatal medicine [[electronic resource]]: innovative technologies and therapies that have fundamentally changed the way we deliver care for the fetus and the neonate // editors Oommen Mathew, Jatinder Bhatia Pubbl/distr/stampa Hackensack, N.J., : World Scientific, 2011 **ISBN** 1-283-14377-1 9786613143778 981-4280-05-4 Descrizione fisica 1 online resource (350 p.) Altri autori (Persone) MathewOommen BhatiaJatinder Disciplina 618.32 Soggetti Newborn infants - Medical care Fetus - Diseases Newborn infants - Diseases Perinatology Neonatology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contents: Preface: List of Editors and Contributors: Chapter 1 Medical Innovations in the 20th Century and Their Impact on Neonatal-Perinatal Medicine: A Global Perspective: Chapter 2 Assisted Reproductive Technologies; Chapter 3 Advances in Fetal Diagnostics for Genomic Alterations; Chapter 4 Fetal Imaging in Detection of Congenital Heart Disease: Chapter 5 Imaging the Newborn Brain: Chapter 6 Monitoring and Intervention Therapies in Neonatal Intensive Care Units: Chapter 7 Regulation of Neonatal Environment 2010; Chapter 8 Advances in **Neonatal Nutritional Care** Chapter 9 Advances in Ventilatory Care of the NeonateChapter 10 Respiratory Distress Syndrome: Impact of Surfactant Therapy and

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## Sommario/riassunto

Innovations in technology and new therapies have changed the face of medicine in the last few decades. These include advances in fetal diagnosis (preimplantation genetics, chorionic villous sampling and amniocentesis), drugs that have been developed to treat unique conditions in neonates such as respiratory distress syndrome (surfactant) and pulmonary hypertension (inhaled nitric oxide), as well as technological advances and interventions resulting in diagnostic (ultrasounds and MRI) and therapeutic interventions (intrauterine transfusion to ECMO). Research in fertility treatments have resulte