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Titolo	The Placenta : Basics and Clinical Significance // edited by Berthold Huppertz, Ekkehard Schleußner
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ISBN	3-662-66256-6
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (387 pages)
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Placental development with histological aspects -- Immunology of the fetomaternal border -- Placental morphology -- Placental morphology -- Histopathology of the placenta for gynaecologists -- Biobanking -- Placental function - Nutrient transport - Gas exchange -- Placental endocrinology -- Teratology -- The effects of licit and illicit drugs on placental function -- Placental hemorrhage: Pathophysiology, Diagnosis, Management -- The abnormally invasive placenta (AIP) -- Placenta praevia -- Umbilical cord insertion, variations and vasa praevia -- Premature placental abruption -- Primary and secondary tumors of the umbilical cord and placenta -- Placental Imaging -- Sonographic assessment of the placenta in the 2nd and 3rd trimesters and US/MRI morphology of the placenta -- Doppler sonography/diagnosis of function -- Disruption of early pregnancy and abortions -- Early pregnancy and its disruption -- Habitual abortions -- Placental insufficiency/placenta associated diseases -- Placental disorders: Pathophysiology -- IUGR: diagnosis and management -- Pre-eclampsia: diagnosis and management -- The placenta in twins -- Fetal programming -- Fetal cells and cell-free nucleic acids in maternal blood: genetic and immunological aspects -- Research aspects and in vitro models -- Maternal disease affecting the placenta - Diabetes mellitus.
Sommario/riassunto	This book is intended as a comprehensive work on the human placenta,

spanning the gap between basic knowledge and clinical significance. Starting from normal development, it deals with the histopathology of the placenta, informs the reader about functional disorders and insufficiencies and explains their effects on mother and child. Based on this, the authors convey in a practical and user-friendly manner everything worth knowing about diagnostics and therapy and give valuable advice for the optimal care of the pregnant patient. From the contents Placental development and histopathology of the placenta Placental Imaging Teratology: placental receptivity of drugs Dysfunction of the placenta Peri-/postnatal complications Fetal programming and molecular genetics Maternal diseases affecting the placenta The editors Univ.-Prof. Dr. Berthold Huppertz, Chair of Cell Biology, Histology and Embryology, Gottfried Schatz Research Center, Medical University of Graz, Austria, has been studying the human placenta, especially the trophoblast, and its changes in IUGR and preeclampsia for more than two decades. Prof. Dr. med. Ekkehard Schleußner, Friedrich Schiller University Jena, Germany, is an obstetrician who deals with placental insufficiency and its clinical consequences. The placental laboratory of the Department of Obstetrics focuses on placental physiology in the placental perfusion model and immunology at the materno-placental interface. Die Übersetzung wurde mit Hilfe von künstlicher Intelligenz (anhand einer maschinellen Übersetzung durch einen Service von DeepL.com) angefertigt. Da die anschließende Überprüfung hauptsächlich im Hinblick auf inhaltliche Gesichtspunkte erfolgte, kann sich der Text des Buches stilistisch von einer konventionellen Übersetzung unterscheiden. Springer Nature arbeitet bei der Publikation von Büchern kontinuierlich mit innovativen Technologien, um die Arbeit der Autoren zu unterstützen.

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