

bidmc maternal fetal medicine

bidmc maternal fetal medicine is a specialized branch of obstetrics focused on managing high-risk pregnancies through advanced diagnostic techniques and personalized care. Boston's Beth Israel Deaconess Medical Center (BIDMC) offers a renowned maternal fetal medicine program that provides comprehensive services including prenatal diagnosis, fetal therapy, and management of complex maternal conditions. This article explores the scope of BIDMC maternal fetal medicine, highlighting its clinical expertise, diagnostic capabilities, and multidisciplinary approach to optimizing both maternal and fetal outcomes. Key services such as genetic counseling, ultrasound technologies, and intervention strategies will be discussed. Additionally, the role of research and education within BIDMC's maternal fetal medicine division underscores its commitment to advancing perinatal care. The following sections will delve into the essential aspects of BIDMC maternal fetal medicine to provide a full understanding of its significance in contemporary obstetric care.

- Overview of BIDMC Maternal Fetal Medicine
- Services and Specialties Offered
- Diagnostic and Imaging Technologies
- High-Risk Pregnancy Management
- Research and Education Initiatives

Overview of BIDMC Maternal Fetal Medicine

BIDMC maternal fetal medicine is dedicated to the evaluation and management of pregnancies that involve increased risk due to maternal, fetal, or placental complications. The program is staffed by board-certified maternal fetal medicine specialists who collaborate closely with obstetricians, neonatologists, geneticists, and other healthcare providers. This multidisciplinary team approach ensures comprehensive care tailored to each patient's unique needs. BIDMC's maternal fetal medicine division is recognized for its cutting-edge clinical protocols and patient-centered care models that enhance pregnancy outcomes. It serves a diverse patient population, offering services from routine high-risk consultations to complex fetal interventions.

Role and Expertise of Maternal Fetal Medicine Specialists

Maternal fetal medicine specialists at BIDMC undergo extensive training beyond general obstetrics, equipping them with expertise in prenatal diagnosis, fetal therapy, and management of chronic maternal diseases during pregnancy. They play a crucial role in identifying potential complications early and devising individualized care plans. Their scope includes monitoring fetal growth and development, managing preterm labor risks, and coordinating delivery plans for complicated cases. These specialists also provide counseling and support for families facing difficult prenatal diagnoses.

Patient-Centered Approach

BIDMC prioritizes a patient-centered approach within its maternal fetal medicine program. This involves thorough communication, shared decision-making, and psychosocial support throughout the pregnancy journey. Patients receive detailed information about risks, treatment options, and expected outcomes, facilitating informed choices. The program also emphasizes culturally competent care and access to support services such as social work and mental health counseling.

Services and Specialties Offered

The maternal fetal medicine program at BIDMC offers a comprehensive range of services designed to address various high-risk pregnancy scenarios. These services encompass prenatal diagnostics, advanced fetal imaging, genetic counseling, and specialized management of maternal health conditions complicating pregnancy.

Genetic Counseling and Prenatal Diagnosis

Genetic counseling is a cornerstone of BIDMC maternal fetal medicine services. Counselors provide risk assessment for inherited conditions and guide patients through options for prenatal genetic testing. Techniques such as chorionic villus sampling (CVS) and amniocentesis are performed when indicated to obtain diagnostic information about fetal chromosomal abnormalities or genetic disorders.

Fetal Therapy and Intervention

For select fetal conditions, BIDMC offers in utero therapies aimed at improving outcomes before birth. These interventions may include fetal blood transfusions, shunt placements for obstructive anomalies, or laser surgery for twin-to-twin transfusion syndrome. The maternal fetal medicine team

Carefully evaluates candidates for fetal therapy, balancing risks and benefits with the family.

Management of Maternal Medical Conditions

Pregnant patients with pre-existing or pregnancy-induced medical conditions such as diabetes, hypertension, lupus, or thyroid disorders receive coordinated care at BIDMC. Maternal fetal medicine specialists work closely with subspecialists to optimize maternal health, monitor fetal well-being, and adjust treatments as pregnancy progresses.

Diagnostic and Imaging Technologies

BIDMC maternal fetal medicine utilizes advanced diagnostic and imaging technologies that provide detailed anatomical and functional information about the fetus and placenta. These tools are pivotal in early detection and monitoring of fetal anomalies and growth disturbances.

Ultrasound and Doppler Studies

High-resolution ultrasound is the primary imaging modality used in BIDMC maternal fetal medicine. It allows for detailed fetal anatomy surveys, assessment of amniotic fluid volume, placental location, and fetal growth measurements. Doppler ultrasound evaluates blood flow in the umbilical artery, fetal vessels, and maternal uterine arteries to assess placental function and fetal well-being.

Fetal MRI

In certain complex cases, fetal magnetic resonance imaging (MRI) is employed to complement ultrasound findings. Fetal MRI provides superior visualization of the fetal brain, thorax, and other structures, aiding in the diagnosis of anomalies that are difficult to characterize with ultrasound alone.

Non-Invasive Prenatal Testing (NIPT)

BIDMC incorporates non-invasive prenatal testing as part of early screening protocols. NIPT analyzes cell-free fetal DNA circulating in maternal blood to identify common chromosomal abnormalities with high sensitivity and specificity, reducing the need for invasive procedures in many cases.

High-Risk Pregnancy Management

BIDMC maternal fetal medicine specializes in the management of pregnancies complicated by maternal or fetal factors that increase the risk of adverse outcomes. This includes preterm labor, fetal growth restriction, multiple gestations, and placental abnormalities.

Monitoring and Surveillance Protocols

Patients with high-risk pregnancies undergo enhanced surveillance protocols to monitor fetal health and timely identify complications. These protocols may include serial ultrasounds, biophysical profiles, non-stress tests, and maternal laboratory evaluations. The goal is to optimize timing of delivery and minimize risks to both mother and baby.

Management of Multiple Gestations

Multiple pregnancies, such as twins or triplets, are inherently higher risk and require specialized care. BIDMC's maternal fetal medicine team provides tailored monitoring for complications like twin-to-twin transfusion syndrome, preterm birth, and growth discordance. Coordinated care plans aim to prolong gestation safely and improve neonatal outcomes.

Delivery Planning and Coordination

For pregnancies requiring early or specialized delivery, BIDMC maternal fetal medicine coordinates with obstetricians, anesthesiologists, and neonatologists to ensure optimal timing and method of delivery. This includes planning cesarean sections for placenta previa or other indications, as well as preparing for potential neonatal intensive care needs.

Research and Education Initiatives

BIDMC maternal fetal medicine is committed to advancing perinatal medicine through research and education. The division participates in clinical trials, translational research, and quality improvement projects aimed at improving maternal and fetal outcomes.

Clinical Research Programs

Research at BIDMC focuses on innovative diagnostic methods, novel therapeutic approaches, and understanding the pathophysiology of pregnancy complications. Studies may involve evaluating new biomarkers for preeclampsia, refining fetal intervention techniques, or assessing long-term outcomes of high-risk

pregnancies.

Training and Fellowship Opportunities

BIDMC offers fellowship programs in maternal fetal medicine designed to train the next generation of specialists. These programs provide comprehensive education in clinical care, research methodologies, and teaching skills under the guidance of experienced faculty.

Community Outreach and Patient Education

Education extends beyond clinical care to include patient education initiatives and community outreach. BIDMC maternal fetal medicine provides resources to help patients understand their diagnoses and treatment plans, promoting informed decision-making and engagement in their healthcare.

Summary of BIDMC Maternal Fetal Medicine Services

- Comprehensive evaluation and management of high-risk pregnancies
- Advanced prenatal diagnostic techniques including genetic testing and fetal imaging
- In utero fetal therapy and specialized interventions
- Coordinated care for maternal medical conditions affecting pregnancy
- Multidisciplinary approach involving obstetricians, neonatologists, and subspecialists
- Research and education to advance maternal and fetal health

Frequently Asked Questions

What services does BIDMC Maternal Fetal Medicine offer?

BIDMC Maternal Fetal Medicine provides specialized care for high-risk pregnancies, including prenatal diagnosis, genetic counseling, fetal therapy, and management of maternal conditions that affect pregnancy.

How can I schedule an appointment with BIDMC Maternal Fetal Medicine specialists?

You can schedule an appointment by calling the BIDMC Maternal Fetal Medicine clinic directly or through a referral from your primary care provider or obstetrician.

What conditions are managed by BIDMC Maternal Fetal Medicine?

Conditions managed include preterm labor, preeclampsia, gestational diabetes, fetal growth restriction, multiple pregnancies, and congenital fetal anomalies.

Does BIDMC offer prenatal genetic testing and counseling?

Yes, BIDMC Maternal Fetal Medicine offers comprehensive prenatal genetic testing and counseling to assess and manage risks for inherited or chromosomal conditions.

Are there any advanced fetal therapies available at BIDMC?

BIDMC provides advanced fetal therapies such as in-utero procedures, fetal surgery, and interventions for certain congenital conditions to improve outcomes for both mother and baby.

What is the role of Maternal Fetal Medicine specialists at BIDMC?

Their role is to provide expert care and management for pregnancies complicated by maternal or fetal health issues, ensuring optimal outcomes through specialized monitoring and treatment plans.

Is BIDMC Maternal Fetal Medicine involved in research and clinical trials?

Yes, BIDMC Maternal Fetal Medicine participates in research and clinical trials to advance the understanding and treatment of high-risk pregnancies and fetal conditions.

Additional Resources

1. *Maternal-Fetal Medicine: Principles and Practice*

This comprehensive textbook covers a wide range of topics in maternal-fetal

medicine, including prenatal diagnosis, fetal therapy, and management of high-risk pregnancies. It is authored by leading experts and provides evidence-based guidelines for clinicians. The book is ideal for specialists seeking in-depth knowledge on maternal and fetal health.

2. High-Risk Pregnancy: Management Options

Focused on the management of complicated pregnancies, this book addresses maternal and fetal conditions that require specialized care. It covers diagnostic techniques, interventions, and monitoring strategies, making it a valuable resource for practitioners working in maternal-fetal medicine units like BIDMC. The text emphasizes multidisciplinary approaches to optimize outcomes.

3. Fetal Medicine: Basic Science and Clinical Practice

This text bridges the gap between basic science and clinical applications in fetal medicine. It explores fetal development, genetics, and pathophysiology alongside clinical management strategies. Ideal for clinicians and researchers interested in the scientific foundations of maternal-fetal medicine.

4. Ultrasound in Obstetrics and Gynecology

A definitive guide to the use of ultrasound technology in maternal-fetal medicine, this book details techniques for fetal assessment, anomaly detection, and Doppler studies. It is an essential resource for clinicians at BIDMC and other centers focusing on prenatal imaging and diagnosis.

5. Fetal Therapy: Therapeutic Interventions for the Unborn

This book provides an overview of in utero treatments for fetal anomalies and conditions, including surgical and medical interventions. It discusses patient selection, procedural techniques, and outcomes, offering insights into cutting-edge therapies in maternal-fetal medicine.

6. Maternal-Fetal Evidence Based Guidelines

A practical guide that compiles the latest research and consensus recommendations for managing maternal and fetal complications. This book supports clinicians in making informed decisions based on current evidence, improving care quality in settings like BIDMC's maternal-fetal medicine department.

7. Obstetric Complications: Prevention and Management

Covering a broad spectrum of pregnancy-related complications, this text highlights prevention strategies, early detection, and management protocols. It is geared toward healthcare providers involved in high-risk obstetrics, with case studies and clinical pearls relevant to maternal-fetal medicine specialists.

8. Genetics and Genomics in Maternal-Fetal Medicine

This book delves into the role of genetics in prenatal diagnosis and fetal medicine. Topics include genetic counseling, molecular testing, and the implications of genomic findings for pregnancy management. It is a critical resource for clinicians integrating genetic insights into maternal-fetal

care.

9. *Perinatal Pathology and Maternal-Fetal Medicine*

Focusing on the pathological aspects of pregnancy and fetal development, this book links clinical findings with placental and fetal pathology. It aids in understanding disease mechanisms and their impact on maternal and fetal outcomes, supporting accurate diagnosis and treatment planning in maternal-fetal medicine practice.

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bidmc maternal fetal medicine: Medical Problems During Pregnancy Carolyn Bernstein, Tamara C. Takoudes, 2017-01-16 This comprehensive, case-based title takes a practical approach to treating the pregnant patient by illustrating common and less common issues that arise during pregnancy. Outlining how difficult it often is to discern normal changes from pathological changes in the pregnant patient, Medical Problems During Pregnancy addresses not only this core dilemma but also a full array of specific, challenging issues to consider when pregnant patients present with conditions like epilepsy, hypertension, cardiac arrhythmias and renal disease – disorders requiring medication despite some risks. Although standard best practices generally determine medication use, the practicality of medication at various stages of pregnancy is highly variable. Medical Problems During Pregnancy outlines key points to consider when prescribing medication and additionally offers a range of practical suggestions that can greatly improve the physician-patient interaction. A unique and invaluable addition to the literature, Medical Problems During Pregnancy will be of great interest to practicing obstetricians, primary care clinicians, family practice physicians, nurse practitioners, and other allied health professionals.

bidmc maternal fetal medicine: MRI of Fetal and Maternal Diseases in Pregnancy Gabriele Masselli, 2015-10-30 This comprehensive guide to MRI of the pregnant patient presenting with fetal or maternal diseases provides a practical, hands-on approach to the use of state-of-the-art MRI techniques and the optimization of sequences. It analyzes data obtained from maternal and fetal MRI examinations, reviews fast imaging techniques, details pitfalls related to fetal MRI and assesses methods for improving image resolution. Fetal pathological conditions and methods of prenatal MRI diagnosis are discussed according to organ system and the literature is reviewed. Interpretation of findings and potential artifacts are thoroughly considered with the aid of numerous high-quality

illustrations. The book will be a detailed resource for radiologists, obstetricians, neonatologists and geneticists, as well as any other practitioner who wishes to gain an in-depth understanding of fetal and maternal MRI. In addition, it will serve as a reference source for technicians, researchers and students, as well as for any specialist who is planning to set up a fetal and maternal MRI service.

bidmc maternal fetal medicine: Transfusion Management of the Obstetrical Patient

Theresa Nester, 2018-05-29 This clinical casebook covers transfusion medicine theory and its practical implications for the obstetrical hemorrhage patient through the presentation of cases on actively bleeding patients. Each case features a unique clinical scenario involving a bleeding patient and outlines different aspects of safe and effective transfusion support. The cases contain current evidence on the latest topics in the field, such as the use of antifibrinolytic agents and coagulation factor concentrates in the setting of massive obstetrical hemorrhage. In addition to the actively bleeding patient, the casebook includes other important management topics, including the role of plasma exchange in thrombotic microangiopathies during pregnancy; treatment of hyperhemolysis in a patient with hemoglobinopathy; and recommended management of patients with red cell antibodies found on prenatal testing. Other immunohematology topics such as post-natal management of an RhD negative woman for the prevention of hemolytic disease of the newborn due to anti-Rh(D) are included. Written by transfusion medicine, coagulation, obstetrical, and anesthesiology experts, *Transfusion Management of the Obstetrical Patient: A Clinical Casebook* is a concise yet comprehensive resource for anesthesiologists, obstetricians, pathologists, hematologists, and other practitioners who treat obstetrical hemorrhage patients.

bidmc maternal fetal medicine: Neurologic Emergencies, An Issue of Emergency

Medicine Clinics of North America Jonathan A. Edlow, Michael K. Abraham, 2016-10-15 This issue of *Emergency Medicine Clinics* focuses on Neurologic Emergencies. Articles include: Headache; Back Pain; Dizziness; Generalized Weakness; Initial Diagnosis and Management of Coma; Neuro-ophthalmology; Diagnosis of Acute Ischemic Stroke; Treatment of Acute Ischemic Stroke; Acute Hemorrhagic Stroke; Status Epilepticus; Diagnosis and Emergency Management of Subarachnoid Hemorrhage and more!

bidmc maternal fetal medicine: Principles and Practice of Maternal Critical Care

Sharon Einav, Carolyn F. Weiniger, Ruth Landau, 2020-11-25 This book contains a collection of the most recent insights regarding maternal morbidity and mortality and optimization of the care processes during acute critical illness. The volume represents a practical resource to be used in real-time by medical practitioners faced with a woman who is critically ill during pregnancy and the peripartum period. By providing concise tools for disease identifiers and management flow-charts, the Editors aimed to increase awareness and improve processes of care for this population. Many care paradigms for obstetric patients are currently unstandardized, unfocused and often do not follow a pre-determined path. Each chapter will provide the practitioner with updated information on how to identify specific critical conditions and how to manage them once they have been identified, to enhance recognition and readiness. This book should be used as a resource to improve the quality of care administered to obstetric patients, to reduce fragmented care processes and to improve interdisciplinary co-ordination and communication, with the overall aim of decreasing maternal morbidity and mortality. Therefore, this book represents an invaluable guide to specialists in critical care, anesthesia and obstetrics as well as to intensive care nurses and midwives.

bidmc maternal fetal medicine: Manual of Neonatal Care

John P. Cloherty, Eric C. Eichenwald, Ann R. Stark, 2008 This Spiral® Manual provides a practical approach to the diagnosis and medical management of newborns. Chapters cover maternal, fetal, and neonatal problems and common neonatal procedures. An outline format provides quick access to a large amount of information, and the outline headings are standardized in this edition. The updated coverage includes new information on fetal assessment, survival of premature infants, and perinatal asphyxia and new guidelines on neonatal jaundice. The popular appendices include effects of maternal drugs on the fetus, maternal medications during lactation, and NICU medication guidelines. A neonatal dosing chart and intubation/sedation guidelines appear on the inside covers.

bidmc maternal fetal medicine: Genetic Discrimination Gerard Quinn, Aisling de Paor, Peter Blanck, 2014-11-20 As genetic technologies advance, genetic testing may well offer the prospect of detecting the onset of future disabilities. Some research also forwards that certain behavioural profiles may have a strong genetic basis, such as the determination to succeed, or the propensity for risk-taking. As this technology becomes more prevalent, there is a danger that genetic information may be misused by third parties and that particular genetic profiles may be discriminated against by employers, by providers of social goods and services, such as insurance companies and even by educational facilities. This book explores the different forms and potential uses of genetic testing. Drawing together leading experts in disability law, bioethics, health law and a range of related fields, it highlights the ethical and legal challenges arising as a result of emerging and rapidly advancing genetic science. On examining transatlantic perspectives on the matter, chapters in the book ask whether the US Genetic Information Nondiscrimination Act (GINA) is proving to be an effective tool in addressing the issue of genetic discrimination and alleviating fears of discrimination. The book also reviews what insights may be gained from GINA within employment and health insurance contexts, and asks how the UN Convention on the Rights of Persons with Disabilities (CRPD) may impact similar debates within the European Union. The book focuses particularly on the legislative and policy framework in the European Union, with an emphasis on the gaps in protection and the scope for specific legislative action in this area. This book will be of great interest to scholars and students of discrimination law, bioethics and disability law, and will be of considerable use to legal practitioners, medical practitioners and policy-makers in this area.

bidmc maternal fetal medicine: Topics in Maternal and Infant Health , 2002 This volume demonstrates the great diversity in the types of problems being faced around the world and the kinds of solutions being evaluated in the area of maternal and infant health. A completely new Introduction by Dr. Gregory Pappas, Deputy Director for Health, ORC Macro International, looks at past approaches and possible future areas of inquiry into this important health area. A Foreword by Dr. Barbara Hatcher, APHA Director of Scientific and Professional Affairs, focuses on health disparities as they relate to maternal and infant health. Excellent for classroom use.

bidmc maternal fetal medicine: Government Research Directory , 2008

bidmc maternal fetal medicine: Who's Who in Medicine and Healthcare Marquis Who's Who, Inc, 1998 Recognizing today's leaders in the teaching, practice, planning, financing, and delivery of healthcare Across the country, healthcare professionals are facing new demands for accessible, high-quality care at a reasonable cost. Who's Who in Medicine and Healthcare TM recognizes those whose achievements place them at the forefront of an evolving healthcare system. The current edition provides vital biographical background on approximately 22,700 successful medical professionals, administrators, educators, researchers, clinicians, and industry leaders from across the diverse fields of medicine and healthcare: -- Association administration -- Dentistry -- Medical education -- Geriatrics -- Gynecology -- Healthcare products -- Hospital administration -- Internal medicine -- Mental health -- Nursing -- Optometry -- Pediatrics -- Pharmaceuticals -- Public health -- Research -- Social work -- Speech pathology -- Substance abuse -- Surgery

bidmc maternal fetal medicine: Genetics Abstracts , 1999

bidmc maternal fetal medicine: Nutrition Abstracts and Reviews , 2005

bidmc maternal fetal medicine: Questions from NeoReviews Henry C. Lee, Santina A. Zanelli, Dara Brodsky, 2020 Enhance your knowledge of neonatal-perinatal medicine and/or study for Neonatal-Perinatal Medicine board certification or recertification with this new study guide from the editors of NeoReviews. This new guide includes more than 1,200 questions previously published in NeoReviews from January 2007 to December 2017. Each question is followed by a short explanation of the correct answer with references, including the original article. Chapters include Cardiology Dermatology Endocrinology ENT and Ophthalmology Fluids, Electrolytes, Nutrition Gastrointestinal Genetics and Inborn Errors of Metabolism Hematology/Oncology Immunology Infectious Diseases Maternal-Fetal Medicine Neonatal Resuscitation Neurology Renal Respiratory Statistics, Research, Health Services, and Ethics

bidmc maternal fetal medicine: Maternal-Fetal Evidence-Based Guidelines Vincenzo Berghella, 2007-09-26 Maternal-Fetal Medicine Evidence-Based Guidelines reviews the evidence for best practice in maternal-fetal medicine. It presents the reader with the right information, in the right format, by summarizing evidence in easy-to-use tables and algorithms. Each guideline is designed to make it easy to do it right, with appropriate use of proven interventions and no use of harmful interventions. Plenty of evidence is available so that well-informed clinicians can reduce errors, so that the first aim is ultimately to improve the health of mother and fetus by providing quality care.

bidmc maternal fetal medicine: Maternal-fetal Evidence Based Guidelines Vincenzo Berghella, 2007

bidmc maternal fetal medicine: 50 Studies Every Obstetrician-Gynecologist Should Know Constance Liu, Noah Rindos, Scott A. Shinker, 2021 50 Studies Every Obstetrician-Gynecologist Should Know presents key studies that have shaped the practice of obstetrics and gynecology. This book is a must-read for obstetrician-gynecologists, internists, family practitioners, nurse practitioners, and midwives, as well as anyone who wants to learn more about the data behind clinical practice.

bidmc maternal fetal medicine: Maternal-Fetal Evidence Based Guidelines, Second Edition Vincenzo Berghella, 2011-11-15 Maternal-Fetal Medicine Evidence-Based Guidelines reviews the evidence for best practice in maternal-fetal medicine. It presents the reader with the right information, in the right format, by summarizing evidence in easy-to-use tables and algorithms. Each guideline is designed to make it easy to do it right, with appropriate use of proven interventions and no use of harmful interventions. Plenty of evidence is available so that well-informed clinicians can reduce errors, so that the first aim is ultimately to improve the health of mother and fetus by providing quality care.

bidmc maternal fetal medicine: 100 Questions & Answers About Your High-Risk Pregnancy Elizabeth Platt, Andrea Tetreau, Betty Campbell, Michael Pinette, 2008 100 Questions and Answers About Your High-Risk Pregnancy provides authoritative, practical answers to the most common questions posed by at-risk expecting mothers and fathers. The text covers topics such as testing, mother's health, fetal health, complications, prevention and treatment, and physical and psychological coping. This book is an invaluable resource for anyone coping with the physical and emotional turmoil of high-risk pregnancy. Questions include: What happens during a normal pregnancy? What problems can occur in pregnancy? Why does my doctor think I may be at risk?

bidmc maternal fetal medicine: Creasy and Resnik's Maternal-Fetal Medicine: Principles and Practice E-Book Charles J. Lockwood, Thomas Moore, Joshua Copel, Robert M Silver, Robert Resnik, 2018-08-07 Long recognized as the authoritative leader in the field, Creasy and Resnik's Maternal-Fetal Medicine, 8th Edition, continues to provide the latest evidence-based guidelines for obstetric and neonatal management, helping you minimize complications and offer patients the best possible care. Written by renowned experts in obstetrics, gynecology, and perinatology, this comprehensive resource has been thoroughly updated and reflects new information in every area, including recent tremendous advances in genetics, imaging, and more. Focuses on complicated obstetric issues, highlighting the most commonly encountered anomalies and providing clear guidelines for obstetric and neonatal management. Offers comprehensive updates on rapidly changing topics, including a completely revised section on genetics and genetic technology for prenatal diagnoses, as well as an expanded imaging section on abdominal, urogenital, and skeletal imaging. Includes four new chapters: Molecular Genetic Technology, MRI in Obstetrical Imaging, Obesity in Pregnancy, and Pregnancy as a Window to Future Health. Features numerous flow charts for quick access to diagnosis and treatment protocols and to clarify complex material. Presents the knowledge and expertise of new editors Dr. Joshua Copel, an expert in the field of fetal therapy who has pioneered new diagnostic techniques for unborn patients and their mothers, and Dr. Robert Silver, a leader in the maternal-fetal medicine community.

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