

Fetal Maternal Hemorrhage A Case And Literature Review

Diagnosis of PPH -- Management of atonic PPH -- Management of retained placenta -- Choice of fluid for replacement or resuscitation -- Health systems and organizational interventions -- PPH care pathways -- Research implications -- Plans for local adaptation of the recommendations -- Plans for supporting implementation of these recommendations -- GRADE tables.

A better way to learn maternal and newborn nursing! This unique presentation provides tightly focused maternal-newborn coverage in a highly structured text

Bleeding after 22nd week of pregnancy: always refer the patient to an obstetric clinic as emergency.

Richly illustrated and comprehensive in scope, *Obstetric Imaging, 2nd Edition*, provides up-to-date, authoritative guidelines for more than 200 obstetric conditions and procedures, keeping you at the forefront of this fast-changing field. This highly regarded reference covers the extensive and ongoing advances in maternal and fetal imaging in a concise, newly streamlined format for quicker access to common and uncommon findings. Detailed, expert guidance, accompanied by superb, high-quality images, helps you make the most of new technologies and advances in obstetric imaging. Features more than 1,350 high-quality images, including 400 in color. Helps you select the best imaging approaches and effectively interpret your findings with a highly templated, bulleted, at-a-glance organization. Reflects all the latest developments in the field, including genetics, open fetal surgery, fetal echocardiography, Zika virus, and 3D imaging, so you can provide the safest and most responsive care to both mother and fetus. Includes new chapters on Limbs and Bones Overview; Open Fetal Surgery; Biophysical Profile; Ultrasound Physics; Elastography; Doppler; MRI; Echogenic Bowel; Pregnancy of Unknown Location (PUL), Failed Pregnancy and Ectopic Pregnancy, Cesarean Scar Pregnancy; Cytomegalovirus (CMG), Rubella, Toxoplasmosis, Herpes, Varicella; and Congenital Syphilis; plus a new chapter on Zika Virus written by imaging experts from the "hot zone." Keeps you up to date with the latest developments in multimodality imaging and optimizing diagnostic accuracy from ultrasound, 3D ultrasound, Doppler, MRI, elastography, image-guided interventions, and much more.

Mollison's *Blood Transfusion in Clinical Medicine* is an icon in the field of transfusion and the first edition was published in 1951. The book arose from the concept of the transfusionist, as both scientist and expert consultant. For many years, this text has provided the primary, and often the sole, reference for detailed information and practical experience in blood transfusion. The book is completely revised and updated throughout to include the latest advances and developments in the field.

This is the most comprehensive book to be written on the subject of fetal MRI. It provides a practical hands-on approach to the use of state-of-the-art MRI techniques and the optimization of sequences. Fetal pathological conditions and methods of prenatal MRI diagnosis are discussed by organ system, and the available literature is reviewed. Interpretation of findings and potential artifacts are thoroughly considered with the aid of numerous high-quality illustrations. In addition, the implications of fetal MRI are explored from the medico-legal and ethical points of view. This book will serve as a detailed resource for radiologists, obstetricians, neonatologists, geneticists, and any practitioner wanting to gain an in-depth understanding of fetal MRI technology and applications. In addition, it will provide a reference source for technologists, researchers, students, and those who are implementing a fetal MRI service in their own facility.

Nowadays, nobody can imagine practicing obstetrics without using obstetrical ultrasound. Working in the prenatal diagnosis field requires dedication, patience, skills, experience, caution, and empathy. The concept of this book was guided by the desire to provide some help to the ultrasound operators. On a daily basis, they are confronted with the challenging task of ruling out or suspecting/confirming the diagnosis of fetal anomalies, either structural or chromosomal. The chapters of this book contain objective and exhaustive updated reviews of the pertinent literature, so that the reader would have a wide reference basis on each subject. Yet, many authors scan the fetus themselves or are directly involved with managing pregnancies with structural malformations or chromosomal anomalies. They kindly shared their personal experience and lessons learned over the years. This book is beneficial for all the professionals working in the prenatal diagnosis.

Understand the rapidly growing complexities of obstetric hematology and high-risk pregnancy management, with experts in the field. Now in its second edition, this comprehensive and essential guide focuses on providing the best support for patients and clinical staff, to prevent serious complications in pregnancy and the post-partum period for both mother and baby. Wide-ranging and detailed, the guide offers discussions on basic principles of best care, through to tackling lesser-known hematological conditions, such as cytopenias and hemoglobinopathies. Updated with color illustrations, cutting-edge research, accurate blood film reproductions, and practical case studies, the revised edition places invaluable advice into everyday context. This unique resource is essential reading for trainees and practitioners in obstetrics, anesthesia, and hematology, as well as midwives, nurses, and laboratory staff. Clarifying difficult procedures for disease prevention, the guide ensures safety when the stakes are high. Reflecting current evidence-based guidelines, the updated volume is key to improving pregnancy outcomes worldwide.

This book clearly explains the basics of cranial ultrasonography in the neonate, from patient preparation through to screening strategies and the classification of abnormalities. The aim is to enable the reader consistently to obtain images of the highest quality and to interpret them correctly. Essential information is provided both on the procedure itself and on the normal ultrasound anatomy. The standard technique is described and illustrated, and emphasis is placed on the value of supplementary acoustic windows. Attention is also drawn to maturational changes in the neonatal brain and to the limitations of cranial ultrasonography. Frequently occurring abnormalities are described and classifications for these abnormalities are provided. A new classification for neonatal cerebellar hemorrhages is introduced. In this third edition, all ultrasound images have been replaced, reflecting the improvements in image quality. An entirely new chapter is devoted to Doppler ultrasonography. The illustrations have been improved and new illustrations were added. The reader will have access to highly informative videos on the cranial ultrasound procedure, available online via SpringerLink. The compact design of the book makes it an ideal and handy reference that will guide the novice in understanding the essentials of the technique while also providing useful information for the more experienced practitioner.

Now in its third edition, this "benchside" reference provides you with a structured diagnostic approach to the features of the placenta most commonly encountered in the investigation of adverse fetal outcomes. Inside, you'll find detailed discussions on cytogenetics and molecular biology as well as the latest developments in coagulopathy, infections, chorioamnionitis, preeclampsia, trophoblastic disease, and twin pregnancies among others. Plus, a new format facilitates information retrieval and new color clinical and pathologic images help you recognize and diagnose lesions better than ever. Access the most authoritative and effective diagnostic help with step-by-step guidance on placental examination techniques. Get the clinical information you need without superfluous details. Create better reports or prepare for exams

with comprehensive coverage of all benign and malignant disorders of placental abnormalities. Increase your diagnostic acumen with new and expanded topics such as apoptosis in the normal and pathological placenta, pathogenesis of miscarriage, placental infections (especially malaria and HIV), chorioamnionitis with special reference to its role in cerebral palsy, preeclampsia, gestational trophoblastic disease, medico-legal aspects of the placenta, and much more. Perform a complete diagnostic workup with detailed coverage of molecular biology, immunohistochemistry, and cytogenetics. Diagnose confidently with the addition of full-color images throughout. Find the information you need quickly thanks to a new user-friendly format, including bullet points, summary tables, and take-home messages. Postpartum Haemorrhage (PPH) is commonly defined as a blood loss of 500 ml or more within 24 hours after birth. PPH is the leading cause of maternal mortality in low-income countries and the primary cause of nearly one quarter of all maternal deaths globally. Most deaths resulting from PPH occur during the first 24 hours after birth: the majority of these could be avoided through the use of prophylactic uterotonics during the third stage of labour and by timely and appropriate patient management. Improving health care for women during childbirth in order to prevent and treat PPH is an essential step towards the achievement of the Millennium Development Goals. The primary objective of this guideline therefore is to provide a foundation for the strategic policy and programme development needed to ensure the sustainable implementation of effective interventions for reducing the global burden of PPH.

This definitive resource in perinatology and neonatology is now completely revised and updated to incorporate the latest advances in the field. Maintains a clinical focus and provides guidelines for precise diagnosis and effective treatment. Also includes hundreds of case histories to illustrate management. This edition contains new neuromuscular, cardiovascular, genetic, and pulmonary information plus ethics of neonatology. Reorganized and supplemented, the perinatal section includes maternal-fetal medicine and fetal neonatal surgery. Features over 700 illustrations! Spanish version also available, ISBN: 84-8174-433-6

With authoritative coverage of rare and common hemostatic disorders, Consultative Hemostasis and Thrombosis, 4th Edition, keeps you both up to date with all that's new in this fast-moving field as well as reviewing background and development and citing pertinent classical literature. Broad differential diagnoses are provided, underscoring the editors' position that correct treatment begins with correct diagnosis. This trusted resource by Drs. Craig S. Kitchens, Craig M. Kessler, Barbara A. Konkle, Michael B. Streiff, and David A. Garcia is designed for rapid reference and critical decision making at the point of care.

New chapter to cover the care of the obese mother in labour. Management areas and guidelines fully updated (e.g. for fetal monitoring in labour). Covers significant new research

This new edition of an acclaimed text reviews the evidence for best practice in obstetric medicine, to present the reader with the right information, with appropriate use of proven interventions and avoidance of ineffectual or harmful ones, and by rating the evidence of the key references. The information is presented in the right format by summarizing evidence succinctly and clearly in tables and algorithms. The aim is to inform the clinician, to reduce errors and "to make it easy to do it right."

Whether you offer comprehensive pregnancy care in your primary care facility, or provide prenatal and postpartum care, this book delivers the guidance you need to optimize health for both mothers and their babies. It covers all aspects of birth care, from preconception counseling and prenatal care, through labor and delivery (both low-risk and complicated), to postpartum care and the first month of life. The completely revised third edition includes the most up-to-date, evidence-based standards of care. It offers information that is patient centered, prevention oriented, educational, and sensitive to the care of the whole woman and her family. Features a reader-friendly outline/narrative format for ease of use in daily clinical practice. Describes how to care for patients with a wide range of medical conditions during pregnancy as well as pregnancy-related conditions. Takes a whole-family approach to maternity care, with discussions of maternal and paternal adjustment, marital adjustment, sibling adjustment, single-parent families, and return-to-work issues. Provides patient and family education materials on a full range of topics, from nutrition in pregnancy to breastfeeding. Features a section on alternative medicine in maternity care. Provides detailed instruction for a wide array of procedures, including cesarean delivery, perineal repair of simple and complex lacerations, circumcision, assisted deliveries, and amnioinfusion. A continued strong emphasis on evidence-based medicine includes an ongoing summary of Level A recommendations throughout the text. A new chapter summarizes practical applications of how to incorporate continuous quality improvement and enhanced medical safety into the maternity care setting. A new section details which immunizations can be used safely during pregnancy. A section on "Centering Pregnancy" discusses this new model of care and how it incorporates longitudinal group.

Volume 12 of the world-renowned Trophoblast Research series, devoted to placental science.

This concise and comprehensive resource is vital for the pathologist faced with providing accurate, timely, and clinically useful diagnoses for placentas, products of conception, and gravid hysterectomies. Combining the pathologic, research, and clinical expertise of a diverse group of editors and authors from centers of excellence for placental pathology, this book enables easy application of the latest Amsterdam international consensus classification criteria, with cross-references to previous terminology and a pathophysiology-based classification system. It provides complete descriptions and illustrations of diagnostic gross, microscopic, and immunohistochemical findings together with a thorough discussion of potential pitfalls and differential diagnosis. Current theories of the genetic and physiologic basis for disease processes, culminating in placental lesions are discussed. The book features high-quality images and standardized measurement tables to assist real-time diagnoses and provides access to an online version on Cambridge Core, which can be accessed via the code printed on the inside of the cover.

The Republic of Indonesia, home to over 240 million people, is the world's fourth most populous nation. Ethnically, culturally, and economically diverse, the Indonesian people are broadly dispersed across an archipelago of more than 13,000 islands. Rapid urbanization has given rise to one megacity (Jakarta) and to 10 other major metropolitan areas. And yet about half of Indonesians make their homes in rural areas of the country. Indonesia, a signatory to the United Nations Millennium Declaration, has committed to achieving the Millennium Development Goals (MDGs). However, recent estimates suggest that Indonesia will not achieve by the target date of 2015 MDG 4 - reduction by two-thirds of the 1990 under-5 infant mortality rate (number of children

under age 5 who die per 1,000 live births) - and MDG 5 - reduction by three-quarters of the 1990 maternal mortality ratio (number of maternal deaths within 28 days of childbirth in a given year per 100,000 live births). Although much has been achieved, complex and indeed difficult challenges will have to be overcome before maternal and infant mortality are brought into the MDG-prescribed range. Reducing Maternal and Neonatal Mortality in Indonesia is a joint study by the U.S. National Academy of Sciences and the Indonesian Academy of Sciences that evaluates the quality and consistency of the existing data on maternal and neonatal mortality; devises a strategy to achieve the Millennium Development Goals related to maternal mortality, fetal mortality (stillbirths), and neonatal mortality; and identifies the highest priority interventions and proposes steps toward development of an effective implementation plan. According to the UN Human Development Index (HDI), in 2012 Indonesia ranked 121st out of 185 countries in human development. However, over the last 20 years the rate of improvement in Indonesia's HDI ranking has exceeded the world average. This progress may be attributable in part to the fact that Indonesia has put considerable effort into meeting the MDGs. This report is intended to be a contribution toward achieving the Millennium Development Goals.

The evaluation of reproductive, maternal, newborn, and child health (RMNCH) by the Disease Control Priorities, Third Edition (DCP3) focuses on maternal conditions, childhood illness, and malnutrition. Specifically, the chapters address acute illness and undernutrition in children, principally under age 5. It also covers maternal mortality, morbidity, stillbirth, and influences to pregnancy and pre-pregnancy. Volume 3 focuses on developments since the publication of DCP2 and will also include the transition to older childhood, in particular, the overlap and commonality with the child development volume. The DCP3 evaluation of these conditions produced three key findings: 1. There is significant difficulty in measuring the burden of key conditions such as unintended pregnancy, unsafe abortion, nonsexually transmitted infections, infertility, and violence against women. 2. Investments in the continuum of care can have significant returns for improved and equitable access, health, poverty, and health systems. 3. There is a large difference in how RMNCH conditions affect different income groups; investments in RMNCH can lessen the disparity in terms of both health and financial risk.

The second edition of Transfusion Medicine and Hemostasis continues to be the only "pocket-size" quick reference for pathology residents and transfusion medicine fellows. It covers all topics in blood banking, transfusion medicine, and clinical and laboratory based coagulation. Short, focused chapters, organized by multiple hierarchical headings, are supplemented with up to 10 suggested reading citations. This single reference covers essentially all the topics required to meet the goals and objectives of a major program in transfusion medicine and clinical coagulation. New chapters in the coagulation testing section reflect the development of new tests available and their incorporation into clinical practice. Coverage includes essential updates on the importance of new cellular therapies, peripheral blood and bone marrow hematopoietic progenitor cells, as well as cord blood banking and regenerative medicine. The authors also examine advances in the understanding of molecular testing and pathogen reduction in two separate quality control chapters (one for blood centers and one for hospitals). Updated content covers new coagulation tests, cellular therapies, and quality control issues. Easy to use, with focused, well-defined chapters in a standardized format throughout. Offers quick "cross-reference" lists at the end of each chapter. Includes lists of common abbreviations and indexes that cross reference diagnostic, clinical and therapeutic commonalities.

Neonatal hematology is a fast-growing field, and the majority of sick neonates will develop hematological problems. This is an essential guide to the pathogenesis, diagnosis and management of hematologic problems in the neonate. Guidance is practical, including blood test interpretation, advice on transfusions and reference ranges for hematological values. Chapters have been thoroughly revised according to the latest advances in the field for this updated third edition. Topics discussed include erythrocyte disorders, platelet disorders, leukocyte disorders, immunologic disorders and hemostatic disorders. Coverage of oncological issues has been expanded to two separate chapters on leukemia and solid tumors, making information more easily accessible. Approaches to identifying the cause of anemia in a neonate are explained, with detailed algorithms provided to aid clinicians in practice. Covering an important hematologic niche with an ever increasing amount of specialized knowledge, this book is a valuable resource for hematologists, neonatologists and pediatricians.

Gain a critical understanding of obstetrics, and a thorough knowledge base of modern management techniques, with this accessible textbook. While acting as a stand-alone text on obstetric care, this volume also forms part of a three-volume set - all authored by leading authorities - on the entirety of obstetric and gynecologic practice. Obstetric Care's topics are based on academic objectives of experts in the field. This textbook offers tailored support for new residents and experienced physicians alike. Obstetric Care is invaluable for wide-ranging yet concise reference material, and provides evidence based care recommendations for specific patient conditions. The chapters in this textbook are based on the objectives of the Committee for Resident Education in Obstetrics and Gynecology; the book offers outstanding modern management techniques across the obstetrics specialty, making it a go-to for reference and comprehensive study.

Pathology of the Human Placenta remains the most comprehensive and authoritative text in the field. It provides extensive information on the normal placenta, encompassing physiology, metabolism, and endocrinology, and covers the full range of placental diseases in great detail. Further chapters are devoted to abortions, molar pregnancies, multiple pregnancies, and legal considerations. This sixth edition of the book has been extensively revised and expanded to reflect the most recent progress in the field, and a brand new chapter has been added on artificial reproductive technology. Some 800 illustrations are included, many of them in color. The detailed index has been further improved and tables updated. Pathology of the Human Placenta will be of enormous value to pathologists and obstetrician-gynecologists alike.

Placenta accreta comprises a spectrum of disorders where all or part of the placenta becomes attached to the muscular wall of the uterus, which can result in life-threatening hemorrhage at the time of delivery. Previous surgical procedures (including cesarean delivery) and placenta previa are important risk factors, and the incidence is dramatically increasing. This important practical guide to how clinicians should diagnose and manage placenta accreta will be an invaluable reference for all obstetricians and maternal-fetal specialists.

Fetal MRI Springer Science & Business Media

There are many haematological complications associated with obstetrics, pregnancy and gynaecology, and unfortunately, they often lead to significant morbidity or mortality for both mother and child. As the first comprehensive reference on all aspects of haematological complications of obstetrics, pregnancy and gynaecology this book will be a valuable resource to haematologists, obstetricians, gynaecologists, reproductive medicine specialists, internists, anaesthesiologists and others. The chapters are written by acknowledged experts in the field, and for each condition covered the etiology, pathophysiology, clinical and laboratory

diagnosis and management are discussed where appropriate.

The Blood Group Antigen FactsBook has been an essential resource in the hematology, transfusion and immunogenetics fields since its first publication in the late 1990's. The third edition of The Blood Group Antigen FactsBook has been completely revised, updated and expanded to cover all 32 blood group systems. It blends scientific background and clinical applications and provides busy researchers and clinicians with at-a-glance information on over 330 blood group antigens, including history and information on terminology, expression, chromosomal assignment, carrier molecular description, functions, molecular bases of antigens and phenotypes, effect of enzymes/chemicals, clinical significance, disease associations and key references. Over 330 entries on blood group antigens in individual factsheets Logical and concise catalogue structure for each antigen Written by 3 international experts from the field of Immunohematology and transfusion medicine

This practical manual promotes an evidence-based paradigm of fetal heart rate monitoring during labour, moving away from the traditional 'pattern-based' interpretation to physiology-based interpretation. Aimed at obstetricians and midwives, it is useful to all those involved in multiprofessional intrapartum care.

Structured to be a companion to the recently published Handbook of Transfusion Medicine, the Handbook of Pediatric Transfusion Medicine is dedicated to pediatric hematology-oncology and transfusion medicine, a field which remains ambiguous and which has generated few comprehensive texts. This book stands alone as one of the few texts that addresses transfusion issues specific to pediatric medicine. Written in an eminently readable style, this authoritative handbook is a requirement for any pediatric physician or caregiver. Neonatal and fetal immune response and in utero development issues Blood compatibility and pre-transfusion testing issues specific to pediatric and neonatal transfusion Therapeutic apheresis including red blood cell exchange and prophylactic chronic erythrocytapheresis for sickle cell patients Also includes a section that concentrates on the consent, quality and legal issues of blood transfusion and donation

The gold-standard guide from the AAP and ACOG -- newly updated and more valuable than ever! Significantly revised and updated, the new 8th edition of this bestselling manual provides the latest recommendations on quality care of pregnant women, their fetuses, and their newborn infants. Jointly developed by the American Academy of Pediatrics (AAP) and American College of Obstetricians and Gynecologists (ACOG), this unique resource addresses the full spectrum of perinatal medicine from both the obstetric and pediatric standpoints. New in the 8th edition: New section on suggested levels of maternal care from birth centers to Level IV institutions New sections on screening for preterm delivery risk added to chapter on antepartum care New topics covered include the timing of cord clamping, the need (or not) for bedrest, and updates in hypertension Guidance regarding postpartum contraception recommendations has been expanded New section on mosquito-borne illnesses (including Zika) New section on infections with high-risk infection control issues Updated recommendations on neonatal resuscitation, screening and management of hyperbilirubinemia, and neonatal drug withdrawal.

Respiratory diseases affect a large proportion of the population and can cause complications when associated with pregnancy. Pregnancy induces profound anatomical and functional physiological changes in the mother, and subjects the mother to pregnancy-specific respiratory conditions. Reviewing respiratory conditions both specific and non-specific to pregnancy, the book also addresses related issues such as smoking and mechanical ventilation. Basic concepts for the obstetrician are covered, including patient history, physiology and initial examinations. Topics such as physiological changes during pregnancy and placental gas exchange are discussed for the non-obstetrician. Guidance is practical, covering antenatal and post-partum care, as well as management in the delivery suite. An essential guide to respiratory diseases in pregnancy, this book is indispensable to both obstetricians and non-obstetric physicians managing pregnant patients.

The Guide to Investigation of Mouse Pregnancy is the first publication to cover the mouse placenta or the angiogenic tree the mother develops to support the placenta. This much-needed resource covers monitoring of the cardiovascular system, gestational programming of chronic adult disease, epigenetic regulation, gene imprinting, and stem cells. Offering detailed and integrated information on how drugs, biologics, stress, and manipulations impact pregnancy in the mouse model, this reference highlights techniques used to analyze mouse pregnancy. Joining the ranks of much referenced mouse resources, The Guide to Investigation of Mouse Pregnancy is the only manual providing needed content on pregnancy in animal models for translational medicine and research. Provides instruction on how to collect pre-clinical data on pregnancy in mouse models for eventual use in human applications Describes the angiogenic tree the mother's uterus develops to support pregnancy and the monitoring of pregnancy-induced cardiovascular changes Educates readers on placental cell lineages, decidual development including immune cells, epigenetic regulation, gene imprinting, stem cells, birth and lactation Discusses how stress, environmental toxicants and other manipulations impact upon placental function and pregnancy success

Transfusion Medicine, Apheresis, and Hemostasis: Review Questions and Case Studies is the collaborative effort that spanned a time period of 2 years and included 50 experts, many whom are national leaders in their respected fields. It also represents the passion and privilege we feel to teach the next generation of physicians in Transfusion Medicine and Apheresis. The main goal for this book is to help the readers build a solid foundation of both basic and advanced conceptual knowledge to prepare for the American Board of Pathology (ABP) certification exam in Transfusion Medicine. This book is not intended to be a substitute for textbooks, original research or review articles, and/or clinical training. Further, since the field of medicine, both from a scientific and regulatory perspective, rapidly changes, the readers are advised to continuously update their knowledge by attending national meetings and reading clinical journals. To equip the readers with the basic knowledge in critical reading and data analysis, which is an essential skill in daily medical practice, a novel chapter titled "Data Interpretation in Laboratory Medicine" was included in this book. In this chapter, the readers are asked to make logical conclusions based on the given data and/or statistical results.

Moreover, there is also a chapter on "Practical Calculations in Transfusion Medicine, Apheresis, and Hemostasis" to help consolidate all the necessary formulas commonly used in daily practice for easy reference. These chapters are unique to our book and will not be found in any other currently on the market. All of the questions in this book were originally created by the authors of each chapter. Each question can either be standalone or part of a case scenario representing challenge cases in Transfusion Medicine, Apheresis, and Hemostasis. These questions often represent both rare and common clinical scenarios that the authors have seen during their clinical practice. Each question is then followed by 5 possible answers, with only one being correct (or the best answer). After the question, there is a conceptual explanation followed by a more factual explanation of the right and wrong answers. We gave the individual authors the freedom to choose how they explained the wrong answer choices. Some authors chose to be more direct (e.g. Answer A is incorrect because...), while other authors chose a more conversational style (e.g.

Human resources (answer A) includes staffing, selection, orientation, training, and competency assessment of employees). This format is designed to help the student linking the conceptual and factual knowledge together to form a solid foundation for use in clinical practice. At the end of each chapter, there is a list of articles and textbooks that will prove useful to the motivated student who wishes to become an expert in the field. Another special feature to our textbook is the presence of a pre-test and post-test, which are provided to help the readers with self-assessment. As stated above, the main focus of this book is to help the readers preparing for the ABP certification exam in Transfusion Medicine. However, due to the interdisciplinary nature of the field of Transfusion Medicine, Apheresis, and Hemostasis, we believe that this book is also beneficial to and can be used by all clinicians involved in the management of complex transfusion, apheresis, and hemostasis issues, such as hematologists, anesthesiologists, surgeons, and critical care physicians. We further believe that it is a helpful guide for these specialists to prepare for their own specialty certification exam, when the topics are related to Transfusion Medicine, Apheresis, and Hemostasis.

Developed to improve patient safety during labor and delivery, the OB F.A.S.T. (Obstetrical Feasible Approach to Safety Training) simulation program is a proven, award-winning resource is designed for all members of the interdisciplinary obstetrics team to use together. Written by Dr. Giancarlo Mari, who developed the program and currently trains providers around the U.S. and the world, this volume helps teams strengthen their common knowledge of obstetric emergencies. This knowledge is then applied to rehearse emergencies together and prepare team members to provide a safe labor and delivery experience for every mother and child. Features easy-to-follow images and diagrams to reinforce team knowledge of common obstetric emergencies, from cardiac arrest and anesthesia considerations to intrapartum fetal monitoring and amniotic fluid embolism. Offers suggestions for how to run a simulation drill, as well as key points for debriefing and documentation. Includes essential background information to facilitate quick reference and skills checklists to evaluate team performance. Designed for every member of the obstetric team – from those who are new to the field to practitioners with years of experience.

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