DESCRIPTION

*Transfusion Medicine* provides a concise, thorough clinically focused and practical approach to the field of blood banking and transfusion therapy written by international expert, Jeffrey McCullough, MD. *Transfusion Medicine* offers comprehensive information on the full range of topics from transfusion therapies, novel cellular therapies, donor recruitment, blood collection and storage, to testing and techniques for transfusing blood components, complications and transmissible diseases, as well as, therapeutic apheresis and the role of hematopoietic growth factors. The fully updated and revised fourth edition also discusses; the clinical effects of stored red blood cells, emerging infectious diseases including the Ebola, chikungunya and Zika epidemics, and impact on blood safety, world blood supply, platelet transfusion and pathogen inactivation.

This book:

• Is an approachable comprehensive guide to the field of blood banking and transfusion medicine

• Offers complete information and perspective on important topics such as; donor recruitment, blood collection and storage, testing and transfusing blood components, complications and transmissible diseases, cellular therapies, therapeutic apheresis and many more

• Provides new content on patient blood management systems, the changing indications for red cell transfusion, the effect of red cell storage on complications, the use of photopheresis for GVHD, novel cell therapies (including T regulatory cells, mesenchymal stem cells, and viral specific T-cells), and the changing uses of cord blood

• Discusses blood supply organizations and their future consolidation and reorganization
• Reviews current topics of interest, such as mitigation strategies for TRALI prevention, and pathogen inactivation of blood components

• Offers extensive referencing for further study

Transfusion Medicine will be valuable to all those working in the field of blood banking and transfusion. It is a good introduction to transfusion for pathology, surgery or anesthesia residents, hematology or oncology or transfusion medicine fellows, technologists specialising in blood banking and non-medical personnel working in areas related to blood banking and transfusion.

ABOUT THE AUTHOR

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Dr. McCullough is an international leader in research and practice of transfusion medicine blood banking and blood safety. He is a former editor of the journal Transfusion and has published more than 300 articles in the medical literature involving a wide range of issues in transfusion medicine and blood banking. Recently his research has focused on clinical trials involving transfusion medicine especially of pathogen inactivated blood; and blood donation and blood banking practices in developing countries.

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