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Titolo	Rossi's principles of transfusion medicine // edited by Toby L. Simon, Jeffrey McCullough, Edward L. Snyder, Bjarte G. Solheim, Ronald G. Strauss
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Edizione	[Fifth edition.]
Descrizione fisica	1 online resource (757 p.)
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Soggetti	Blood - Transfusion Blood banks Blood - Collection and preservation
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	Rossi's Principles of Transfusion Medicine; Contents; Contributors; Preface; List of abbreviations; About the companion website; Chapter 1: Transfusion in the new millennium; The first animal transfusion; The first animal-to-human transfusion; The beginnings of modern transfusion; The 20th century; Anticoagulants, the blood bank, and component therapy; Transfusion in the age of technology; Concern for blood safety; Current megatrends; Disclaimer; Key references; Section I: Contemporary issues in donation and transfusion; Chapter 2: Patient blood management; Introduction Implementing a PBM program Transfusion guidelines; Physician education and monitoring; Preoperative anemia management; Cell salvage; Unwashed cell salvage; Washed cell salvage; Maximizing washed salvage efficiency; Suction; Sponge rinsing; Indications; Contraindications; Acute normovolemic hemodilution (ANH); Point-of-care testing; Use of hemostatic agents; Solvent/detergent plasma; Prothrombin complex concentrates (PCC); Antifibrinolytics; Desmopressin; Fibrinogen concentrates; Recombinant activated factor VII; Limiting phlebotomy blood loss for laboratory testing; Summary; Acknowledgments

Key references
Chapter 3: Clinical and technical aspects of blood administration; Introduction; Pretransfusion considerations; Venipuncture for intravenous (IV) access; Component issue, release, storage, and transport; Component issue and release; Component storage; Red blood cells (RBCs); Platelets; Plasma; Cryoprecipitate; Granulocytes; Hematopoietic progenitor cells; Prothrombin complex concentrates and recombinant clotting factors; Storage equipment; Component transport; Novel transport and storage devices; Component modification and preparation; Leukoreduction; Irradiation; Washing
Volume reduction via aliquoting
Thawing plasma; At the bedside: transfusion administration; Pretransfusion; Blood administration sets and filters; Co-administration of fluids and blood components; Co-administration of medications; Patient monitoring; Infusion flow rates; RBC salvage devices; Rapid infusion practices; Blood warming and bedside blood pumps; Post transfusion; Key references; Chapter 4: Recruitment and screening of donors and the collection, processing, and testing of blood; The blood donation and transfusion chain; Organization of blood services to meet global needs
Organization of blood services in the United States
Organization of blood services outside the United States; Recruitment of blood donors; Donor demographics; Donor motivation; Deterrents to donation; Sociological and psychological theories of blood donation; The collection process for blood components for transfusion: screening, phlebotomy, choice of product, collection, testing, and distribution of blood and apheresis components; Donor evaluation; Blood collection; Whole blood collection; Component separation; Automated collection; Product selection; Testing; ABO and RhD testing
Antibody screening
