

1. Record Nr.	UNINA9910426041803321
Autore	Ajmani Pritam Singh
Titolo	Immunoematology and blood banking : principles and practice // Pritam Singh Ajmani
Pubbl/distr/stampa	Gateway East, Singapore : , : Springer, , [2020] Â©2020
ISBN	981-15-8435-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXIII, 208 p. 8 illus., 6 illus. in color.)
Disciplina	612
Soggetti	Blood Blood banks Immunoematology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction to Blood Transfusion -- Blood Group & Immunology -- Donor Blood Collection -- Collection, Storage and Transportation of Blood -- Transfusion of Blood and Blood Components -- Blood Component Preparation -- Blood Test in Immunoematology & Blood Banking -- Hemolytic Disease of the Newborn -- History of Blood Transfusion -- Massive Blood Transfusion -- Autologous Blood Transfusion -- Blood Management -- Blood Bank Protocols -- Blood Bank Inventory -- Transfusion Reactions.
Sommario/riassunto	The book covers the basics of genetics and immunology, technical aspects of blood banking and transfusion. It offers a concise, and practical approach for different blood tests and guidelines on the best ways to take donor history, screen donors, store blood components, ensure safety, and anticipate the potentially adverse effects of blood transfusion, components and its management at the bedside. Different chapters include important topics such as collection, storage and transportation of blood, introduction to blood transfusion, blood group serology, discovery of blood groups, donor selection, interview, and its preparation, and storage, pretransfusion testing, transfusion therapy, clinical considerations, and safety, quality assurance, and data management developed specifically for medical technologists and

resident doctors. The book also goes beyond preoperative patient blood management, with detailed accounts of coagulation disorder management and the administration of coagulation products and platelet concentrates. The book also defines the components of a learning health system necessary to enable continued improvement in trauma care in both the civilian and the military sectors. This book offers a succinct and user-friendly resource with key points, boxes, tables & charts and is a quick reference guide for pathology and transfusion medicine residents and doctors in blood centers and hospitals dealing with regulatory aspects, transfusion safety, production and storage and donor care.
