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Part 3 Volume Replacement Section 1 Plasma and Albumin; Section 2 Crystalloids and Synthetic Colloids; Part 4 Tolerance of Anemia; 17 Basic Principles of Oxygen Transport and Calculations; 18 Assessment of Tissue Oxygenation; 19 Tissue Oxygenation and Blood Transfusion; 20 Anemia and Cardiovascular Disease; Part 5 Perioperative Hemostasis; 21 Monitoring of Hemostasis in the Perioperative Setting; 22 Antifibrinolytics in Open-Heart Surgery; 23 Efficacy and Safety of Recombinant Activated Factor VII to Control Bleeding in Nonhemophiliac Patients; Part 6 Transfusion Triggers 24 Role of Hemoglobin/Hematocrit 25 Calculation of Blood Loss; 26 Management of Massive Transfusion; Part 7 Alternatives to Allogeneic Blood Transfusion; Section 1 Pharmaceutical Approaches; Section 2 Surgical Techniques; Section 3 Anesthetic Techniques; Section 4 Special Settings; Part 8 Legal and Ethical Issues in Transfusion Medicine; 43 Ethical Aspects of Informed Consent: American Models; 44 Blood Transfusions, Jehovah's Witnesses, and the American Patients' Rights Movement; Part 9 Cost Issues; 45 The Cost and Cost-Effectiveness of Allogeneic and Autologous Blood 46 Autologous Blood Predonation in Cardiac Surgery 47 Cost-Effectiveness of Pharmacological Alternatives; Index

Sommario/riassunto

Meeting the needs of patients while minimizing blood transfusions requires special expertise, precise monitoring and innovative techniques. This cutting-edge resource covers all the important clinical aspects of transfusion medicine in diverse clinical settings, with a special emphasis on alternatives to transfusion. Edited by a multidisciplinary team consisting of a transfusion specialist, an anesthesiologist and an intensive care specialist this book is endorsed by the Network for Advancement of Transfusion Alternatives. The contributors review the appropriate use of fluids and of blood pr
