

Table of Contents

Preface	vi
Overview	1
Program Management, Financial Implications, Cost-Effectiveness Analyses.	4
Anemia – Recognition and Management	11
Use of Iron	12
Use of Erythropoietin	14
Utilization of Coagulation and Platelet Function Testing	17
Indications, Utilizations, and Guidelines	23
Red Blood Cells	24
Frozen Plasma and Cryoprecipitate	30
Platelets	35
Peri-Surgical Interventions	39
General Surgical Issues	39
Preoperative Blood Collection and Acute Normovolemic Hemodilution.	43
Intra- and Postoperative Red Cell Recovery.	45
Issues Pertinent to Particular Disciplines	53
Cardiology, Cardiac Surgery, Thoracic Surgery, and Vascular Surgery.	53
Critical Care	71
Gastroenterology	73
General Surgery	74
Gynecology	79
Hematology and Oncology	80
Nephrology	81
Obstetrics	82
Orthopedics and Neurosurgery	85
Oral/Facial Surgery and Otorhinolaryngology	100
Pediatrics	102
Transplantation	109
Trauma and Massive Transfusion	112
Urology	118
Pharmacologic Interventions	120
Measures to Reduce Blood Loss, Including Anticoagulation Reversal	120
Effects of Antiplatelet Agents, Anticoagulation, and Hemodilution	133