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Nota di contenuto	Laboratory Hematology Practice; Contents; II: Flow Cytometry in Hematologic Diagnosis; III: Molecular Diagnostics; IV: Bone Marrow Analysis; V: Hemostasis and Thrombosis; VI: Special Hematology Techniques; VII: Point-of-Care Testing; VIII: Management of Information; Contributors; Preface; Abbreviations; I: Cellular Analysis; 1: Historical Perspective on Cellular Analysis; 2: Cellular Morphologic Analysis of Peripheral Blood; 3: Automated Cell Analysis: Principles; 4: Differential Leukocyte Analysis; 5: Automated Platelet Analysis; 6: Method Standardization in Cellular Analysis 7: Spurious Counts and Spurious Results on Hematology Analyzers: Platelets8: Spurious Counts and Spurious Results on Hematology Analyzers: White Blood Cells, Red Blood Cells, Hemoglobin, Red Cell

Indices, and Reticulocytes; 9: Evaluation of Hematology Analyzers; 10: Flow Cytometric Specimen Collection, Processing, and Reporting; 11: Validation and Quality Control in Clinical Flow Cytometry; 12: A New Paradigm for Cytometric Analysis; 13: Sample Collection, Processing, and Storage for Molecular Genetic Testing; 14: Development of Amplification-Based Molecular Genetic Testing in Hematology; 15: Single Nucleotide Polymorphisms in Molecular Diagnostics; 16: Molecular Cytogenetic (FISH) Analysis of Hematolymphoid Disorders; 17: Immunoglobulin and T-Cell Receptor Gene Rearrangement Analysis for Diagnosis of Hematologic Malignancies; 18: Minimal Residual Disease Detection in Acute Myeloid Leukemia by RQ-PCR and Multiparameter Flow Cytometry; 19: Engraftment Analysis Using Short Tandem Repeats Following Allogeneic Hematopoietic Cell Transplantation; 20: Molecular Profiling Methods in the Diagnosis of Hematologic Disorders; 21: The Role of Classical Cytogenetics in Hematologic Diagnosis; 22: Bone Marrow Processing and Normal Morphology; 23: Cytochemical, Immunocytochemical, Histochemical, and Immunohistochemical Staining of Bone Marrow and Peripheral Blood; 24: The Myeloproliferative Neoplasms; 25: Myelodysplastic Disorders; 26: Acute Leukemias; 27: Lymphoproliferative Disorders; 28: Plasma Cell Disorders; 29: Diagnosis of Adult Mastocytosis: Role for Bone Marrow Analysis; 30: Paroxysmal Nocturnal Hemoglobinuria (PNH) Analysis; 31: Sample Collection and Processing in Hemostasis; 32: Performance and Interpretation of Routine Coagulation Assays; 33: Clotting Factors and Inhibitors: Assays and Interpretation; 34: Diagnosis of von Willebrand Disease; 35: Diagnosis of Fibrinolytic Disorders; 36: Laboratory Evaluation of Acquired Coagulation Disorders; 37: Platelet Assays and Platelet Dysfunction; 38: Thrombophilia: Assays and Interpretation; 39: Lupus Anticoagulants, Antiphospholipid Antibodies, and Antiphospholipid Syndrome; 40: Heparin-Induced Thrombocytopenia; 41: Anticoagulant, Antiplatelet, and Thrombolytic Drugs; 42: Guidelines for Evaluation of Coagulation Analyzers and Coagulation Testing; 43: Essentials of Immunohematology; 44: Analysis of Hemoglobinopathies, Hemoglobin Variants and Thalassemias

## Sommario/riassunto

Expertly edited and endorsed by the International Society for Laboratory Hematology, this is the newest international textbook on all aspects of laboratory hematology. Covering both traditional and cutting-edge hematology laboratory technology this book emphasizes international recommendations for testing practices. Illustrative case studies on how technology can be used in patient diagnosis are included. Laboratory Hematology Practice is an invaluable resource for all those working in the field.