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| Autore                  | COSTA, Emilio                   |
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| Descrizione fisica      | 56 p. ; 18 cm                   |
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| 2. Record Nr.           | UNINA9910786465503321   |
| Autore                  | Naeim Faramarz  |
| Titolo                  | Atlas of hematopathology [[electronic resource] ] : morphology, immunophenotype, cytogenetics, and molecular approaches // Faramarz Naeim ... [et al.]  |
| Pubbl/distr/stampa      | London, : Academic Press, 2013  |
| ISBN                    | 1-283-92391-2<br>0-12-385184-X  |
| Descrizione fisica      | 1 online resource (756 p.)  |
| Collana                 | Elsevier science & technology books   |
| Altri autori (Persone)  | NaeimFaramarz   |
| Disciplina              | 616.1507<br>616.99442075  |
| Soggetti                | Blood - Pathophysiology<br>Blood - Diseases - Diagnosis<br>Hematology   |
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| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Front Cover; Atlas of Hematopathology; Copyright Page; Contents; Preface; Acknowledgments; 1 Structure and Function of Hematopoietic Tissues; Bone Marrow Examination; Morphologic Characteristics of |

Bone Marrow Cells; Granulocytic Series; Erythroid Precursors; Platelet Precursors; Lymphoid Lineage; Other Bone Marrow Cells; Blood Smear Examination; Red Blood Cell Morphology; Leukocyte Morphology; Platelet Morphology; Structure and Function of the Spleen; The White Pulp; The Marginal Zone; The Red Pulp; Structure and Function of the Lymph Nodes; Follicular Structures; The Paracortex; The Medulla Vascular and Lymphatic Structures; Extramedullary Hematopoiesis; Additional Resources; 2 Principles of Immunophenotyping; Human Cell Differentiation Molecules; B-Cell-Associated CD Molecules; CD10; CD19; CD20; CD21; CD22; CD23; CD24; CD35; CD77; CD79; CD138; CD5; CD103; Other B-Cell-Associated Markers; T-Cell-Associated CD Molecules; CD1; CD2; CD3; CD4; CD5; CD7; CD8; CD45RA and CD45RO; T-Cell Receptor Molecules; Other T Cell-Associated Markers; CD MOLECULES Associated with Large Granular Lymphocytes; CD16; CD56; CD57; Other NK-Associated Markers; Granulocytic/Monocytic-Associated CD Molecules; CD13; CD14; CD15; CD33; CD64; CD68; Other Myeloid-Associated CD Molecules; Dendritic Cell-Associated CD Molecules; CD21; CD35; CD123; CD207; Other Dendritic Cell-Associated Markers; Erythroid-Associated CD Molecules; CD71; CD235; CD238; CD240; CD242; Other Erythroid-Associated Markers; Megakaryocyte/Platelet-Associated CD Molecules; CD36; CD42; CD41 and CD61; CD110; Other Megakaryocyte/Platelet-Associated Markers; Precursor-Associated CD Molecules; CD34; CD38; CD90; CD99; CD117; CD123; Other Precursor-Associated Markers; Other Markers Routinely Used in Hematopathology; CD11; CD30; CD43; CD55; CD59; Ki-67; Immunoglobulin Transcription Factors; Principles of Flow Cytometry; Gating; Compensation; Data Analysis; Quality Control and Quality Assurance; Principles of Immunohistochemistry; Additional Resources; 3 Principles of Cytogenetics; Introduction; Cell Preparation; Banding Techniques; Analysis; Balanced Rearrangements; Chromosomal Aneuploidy; Loss of Heterozygosity; Conclusions; Additional Resources; 4 Principles of Molecular Techniques; Fluorescence In Situ Hybridization; Polymerase Chain Reaction and Related Techniques; Basic Technique; Primer Design; Quality Control; Product Analysis; Reverse Transcriptase PCR; Real-Time PCR; Related Amplification Techniques; Blotting Techniques; Southern Blot; Northern Blot; Dot Blot; Microarray Techniques; DNA Sequencing; Chemical Methods; Sequence Detection and Analysis; Limitations of Sequencing; Next-Generation Sequencing; Additional Resources; 5 Morphology of Abnormal Bone Marrow; Gelatinous Transformation; Bone Marrow Necrosis; Amyloidosis; Granulomas; Bone Marrow Metastasis; Bone and Stromal Changes; Bone Changes; Conditions Associated with Osteopenia; Conditions Associated with Osteosclerosis; Previous Biopsy Site (Repair)

## Sommario/riassunto

As the definitive diagnostic atlas of the diseases of the hematopoietic system, the Atlas of Hematopathology appeals to a wide range of people who are being trained in a variety of medical fields or practicing as non-hematopathologists, and therefore, are looking for a book which can provide information in a clear, focused format, with no excessive text or details. The atlas offers effective guidance in evaluating specimens from the lymph nodes, bone marrow, spleen, and peripheral blood, enabling clinicians to deliver more accurate and actionable pathology reports. Practicing physicians and