

1. Record Nr.	UNINA9910459466203321
Titolo	Diagnostic techniques in hematological malignancies // editor, Wendy N. Erber [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	1-107-21258-8 0-511-85188-X 1-282-96635-9 9786612966354 0-511-91769-4 0-511-91671-X 0-511-91490-3 0-511-91867-4 0-511-76027-2 0-511-91310-9
Descrizione fisica	1 online resource (xii, 336 pages) : digital, PDF file(s)
Collana	Cambridge medicine Diagnostic techniques in hematological malignancies
Disciplina	616.99/419
Soggetti	Myeloproliferative disorders - Diagnosis Leukemia - Diagnosis Blood - Diseases - Diagnosis Blood - Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Diagnostic Techniques -- Morphology / Wendy N. Erber -- Immunocytochemistry / Wendy N. Erber -- Flow cytometry / Maryalice Stetler-Stevenson and Constance M. Yuan -- Cytogenetics / Christine J. Harrison and Claire Schwab -- Molecular genetics / Ken Mills -- Hematological Malignancies -- Integrated approach to the diagnosis of hematological malignancies / Mike A. Scott and Wendy N. Erber -- Acute lymphoblastic leukemia / Elaine Coustan-Smith and Dario Campana -- Acute myeloid leukemia / David Grimwade -- Mature B-cell leukemias / Constantine S. Tam and Michael J. Keating -- Mature

T-cell and natural killer-cell leukemias / Kaaren K. Reichard and Kathryn Foucar -- Lymphoma / Jennifer Herrick and Ahmet Dogan -- Plasma cell neoplasms / Rafael Fonseca and Riccardo Valdez -- Chronic myeloid leukemia / Emma J. Gudgin and Brian Huntly -- Myeloproliferative neoplasms / Philip A. Beer and Anthony R. Green -- Myelodysplastic syndromes and myelodysplastic/myeloproliferative neoplasms / Raphael Itzykson, Herve Roudot and Pierre Fenaux.

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Sommario/riassunto

The diagnosis and monitoring of hematological malignancies is complex and requires a systematic approach. Morphology, cell phenotyping, cytogenetics and molecular genetics are essential, and the results must be integrated. *Diagnostic Techniques in Hematological Malignancies* details the principles and applications of each of these test types in the diagnosis of hematological malignancies in blood and bone marrow. The first section describes the test modalities - including methodological principles, data interpretation and limitations - and is illustrated by clinical examples. The second section focuses on the clinical entities, detailing the most appropriate tests for diagnosis, staging and monitoring of different hematological malignancies and includes test utilization to identify prognostic markers and potential therapeutic targets. With contributions from multiple international experts, this illustrated book is an essential resource for qualified and trainee hematologists, oncologists, and pathologists. It's a practical and useful guide, providing a rational and structured approach to the laboratory assessment of hematological malignancies.

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