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Nota di contenuto	Techniques in Cytogenetics -- Techniques in Molecular Haematology -- Part: I - Case Studies in Myeloid Malignancies -- Acute Myeloid Leukemia -- Myelodysplastic Syndrome -- Myelodysplastic Syndromes - Myeloproliferative Neoplasms -- Myeloproliferative Neoplasms -- Chronic Myeloid Leukemia -- Next Generation Sequencing for Diagnostics of Myeloid Malignancies for Routine Clinical Use: Pitfalls and Advantages -- Part: II - Case Studies in Lymphoid Malignancies -- Acute Lymphoblastic Leukemia -- Chronic Lymphocytic Leukemia and Non Hodgkin's Lymphoma -- Part: III - Case Studies in Multiple Myeloma -- Multiple Myeloma.
Sommario/riassunto	This book is a compendium of case studies in hematologic malignancies such as acute leukemias, myelodysplastic and myeloproliferative neoplasms, chronic leukemias and multiple myeloma covering cytogenetics (karyotyping Fluorescence in situ hybridization (FISH)) and molecular studies in detail. The first few chapters describe the methodology employed for karyotyping, FISH and Real Time PCR technology conducive to establishment of these labs if required. Each case study is described in detail by including the clinical history of the patient, findings of peripheral blood, bone marrow aspirate and bone biopsy morphological details. This is then followed by flowcytometric immunophenotyping, cytogenetic and molecular observations leading collectively to a final diagnosis, A discussion follows based on the relevance of this data in informing the prognosis, treatment response

and survival in these patients. Additionally, this data serves as a key determinant for clinical decision making involving evidence based rational management of patients including targeted therapy. For better understanding, each case study is accompanied by black and white or colour images as appropriate. This book is a source of learning and a valuable read for clinical hematologists, hematopathologists, medical oncologists, residents, interns, DM Hematology students and DNB Hematology students as well.
