Myelodysplastic syndromes (MDS) are a group of clonal disorders characterized by pancytopenias and the risk of progression to acute myeloid leukemia. The diagnosis of MDS can be challenging, while the outcomes of MDS patients vary widely. This book provides a concise yet comprehensive overview of MDS. The book begins by reviewing the diagnostic workup of MDS, with a specific focus on the 2016 WHO criteria for MDS diagnosis, and the biology and pathophysiology of the disease. The text then presents the molecular landscape of MDS and its impact on disease diagnosis, prognosis, and treatment decisions. The book continues by profiling different prognostic models of MDS and concludes with a thorough review of treatment algorithms for lower and higher-risk MDS, as well as the use of hematopoietic stem cell transplant to combat the disease. Written by experts in the field, Diagnosis and Management of Myelodysplastic Syndromes: A Clinical Guide is a valuable resource for clinicians, practitioners, and researchers who are interested in MDS. The text also features over 100 illustrations, photographs, and tables.

Contents:
Abstract:
From the world renowned Fred Hutchinson Cancer Research Center, this book is written for all physicians who treat patients with acute or chronic leukemias or myelodysplasia. It is designed to answer questions about treatment approaches that commonly arise in day-to-day practice. In keeping with the Center's groundbreaking research in bone marrow transplantation, the book provides exceptional coverage of the role of allogeneic transplant in treatment. It also addresses the important issues of supportive care and long-term complications of successful treatment.

Edited and written by experts at the Fred Hutchinson Cancer Research Center; Clinically focused and comprehensive coverage of treatment approaches; Allogeneic transplant addressed in detail; Separate chapters on supportive care and long-term complications.

Contents:
Myelodysplastic Syndromes: Diagnosis, Prognosis, Therapy

Available Online: View e-Book
Other Authors: Platzbecker, Uwe
Fenaux, Pierre
Responsibility: Uwe Platzbecker, Pierre Fenaux, editors
Place of Publication: Cham
Publisher: Springer
Date of Publication: c2018
Physical Description: 1 online resource (v, 157 p.) : 26 illus., 22 illus. in color
Series Title: Hematologic malignancies (Series)
ISBN: 9783319768793
9783319768786 (print ed.)
9783319768809 (print ed.)
ISSN: 2197-9766
Subjects (MeSH): Myelodysplastic Syndromes - diagnosis
Myelodysplastic Syndromes - therapy
Specialty: Neurology
Abstract: This book reviews the standard diagnostic and therapeutic management of patients with myelodysplastic syndromes (MDS) and examines ongoing research developments in the field. The importance of appropriate prognostic stratification, taking into account recent advances in understanding of the molecular pathogenesis of MDS, is explained, and both established and novel treatment approaches are discussed in depth. The coverage includes, for example, the use of erythropoietic stimulating agents, iron chelation therapy, the immunomodulator lenalidomide, hypomethylating agents such as azacitidine, and allogeneic hematopoietic stem cell transplantation. Myelodysplastic syndromes are heterogeneous and complex hematologic disorders ranging from indolent conditions to forms approaching the aggressiveness of acute myeloid leukemia. The diversity of MDS gives rise to challenges in diagnosis and clinical decision making, and the highly variable clinical course necessitates a risk-adapted treatment strategy and the application of disease-specific therapies. Hematologists, oncologists, and other interested clinicians will find this book to be an invaluable source of information on diagnostic and prognostic evaluation and treatment selection.


Format: e-Book
Location: Online