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Nota di contenuto	The haploidentical option for high-risk haematological malignancies / Franco Aversa, Yair Reisner, and Massimo F. Martelli -- Haploidentical allogeneic hematopoietic cell transplantation in adults using CD3/CD19 depletion and reduced intensity conditioning / Wolfgang A. Bethge -- The challenge in hematopoietic stem cell transplantation : shortening the immunodeficiency period / Liliane Dal Cortivo ... [et al.] -- Hematopoietic stem cell transplantation across genetic barriers using a nonmyeloablative conditioning regimen -- / Liang-Piu Koh, David A. Rizzieri, and Nelson J. Chao -- Adoptive immunotherapy for prophylaxis and therapy of infectious complications after allogeneic hematopoietic stem cell transplantation / Markus Kapp, Hermann Einsele, and Gotz Ulrich Grigoleit -- Alloreactive T cells for the treatment of leukemia / J.H. Frederik Falkenburg -- Alloanergization in haploidentical hematopoietic stem cell transplantation / Jeff K. Davies, Lee M. Nadler, and Eva C. Guinan -- The role of the thymus in

hematopoietic stem cell transplantation / Werner Krenger and Georg A. Hollander -- A revolutionary BMT method / Susumu Ikehara -- Treatment of adenovirus infection after haploidentical stem cell transplantation in children / Tobias Feuchtinger, Rupert Handgretinger, and Peter Lang -- Mobilization of hematopoietic stem and progenitor cells / Kfir Lapid ... [et al.] -- Regulatory T cell therapy for immunomodulation after allogeneic hematopoietic cell transplantation / Robert Zeiser and Robert S. Negrin -- Immune reconstitution after haploidentical hematopoietic stem cell transplantation / Ami Shah ... [et al.] -- Human T cell differentiation : new techniques, old challenges / Jean Plum ... [et al.] -- Crossing HLA barriers by "megadose" stem cell transplants / Yair Reisner, Massimo F. Martelli, and Esther Bachar-Lustig -- Pathogen-induced immune regulation in transplantation / Luigina Romani -- Optimising adoptive T cell therapy following allogeneic hematopoietic stem cell transplantation / Sara Ghorashian ... [et al.] -- Hematopoietic cell transplantation for induction of transplantation tolerance : from animal models to clinical trials / Megan Sykes -- Unmanipulated HLA-mismatched/haploidentical blood and marrow hematopoietic stem cell transplantation / Xiao-Jun Huang -- Deploying natural killer cell allotherapy in the setting of HLA-haplotype-mismatched hematopoietic stem cell transplantation / Andrea Velardi ... [et al.].

Sommario/riassunto

The importance of bone marrow transplantation for patients who do not have a matched sibling donor cannot be overestimated. This subject has always been in the public domain, accentuated by dramatic appeals, from time to time, to search for matched volunteer donors in the public at large. Unfortunately, the availability of such donors is limited, due to the remarkable genetic diversity of humans. Thus, although registries of such volunteers now include more than seven million individuals, we still face the problem of finding a matched donor for about 30 per cent of patients in need. To address
