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Nota di contenuto	The pharmacist in pediatric hematopoietic stem cell transplantation -- Stem Cells -- Stem Cell Transplantation in Pediatrics -- Homing of Stem Cells to the Bone Marrow — Finding the way home -- Pediatric Graft-Versus-Host Disease (GvHD) and the Pharmacist -- Antibacterial, antifungal and antiviral prophylaxis for children undergoing HSCT -- Peripheral Blood Stem Cell Mobilization in Pediatric Stem Cell Transplantation.-Reprogrammed cells in pediatric HSCT -- Stem Cell Transplantation in Children Up to 1 Year Old -- Clinical Pharmacy in

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## Pediatric Stem Cell Transplantation.

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### Sommario/riassunto

This unique book is the first on pediatric hematopoietic stem cell transplantation that is especially intended for pharmacists – in recognition of the fact that Pediatric Oncology Pharmacy is an area where more and more specific knowledge is required in daily practice, yet pharmacists who work in pediatric stem cell transplantation do not have a book addressing their specific needs. This pioneering book will likely become the new gold standard for practice, addressing subjects such as stem cells and their differentiation mechanisms; aspects of embryonic and non-embryonic stem cells; stem cell transplantation in pediatrics; stem cell sources and related technical choices; stem cell donors; scheduling transplantations; diseases and chemotherapy protocols that require stem cell transplantation; stem cell homing; engraftment and repopulation of stem cells in bone marrow; autologous stem cell transplantation in pediatrics; allogeneic stem cell transplantation in pediatrics; and indications for autologous and allogeneic pediatric stem cell transplantation. Further, it discusses pediatric graft-versus-host disease and the pharmacist; antibacterial and antifungal prophylaxis; detailed chemotherapy, conditioning and trials for pediatric stem cell transplantation; conditioning granulocyte colony-stimulating factor (G-CSF) in pediatric stem cell transplantation; analyzing prescriptions and programming a pediatric stem cell transplantation; handling chemotherapy and adjuvant drugs for pediatric stem cell transplantation; stem cell transplantation in children up to 1 year old; and clinical pharmacy in pediatric stem cell transplantation. An easy-to-read yet comprehensive guide covering a wide range of topics essential to daily practice, the book offers an invaluable asset for pediatric hemato/ oncology pharmacists, hematologist pharmacists, clinical pharmacists, pediatric pharmacists, pharmaceutical residents and researchers alike.

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