

Pediatric Hematopoietic Stem Cell Transplantation for Pharmacists

Carolina Witchmichen Penteado Schmidt

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The Gold Standard to Practice

 Springer

Carolina Witchmichen Penteadó Schmidt
Curitiba
Paraná
Brazil

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Foreword

The outcome for children with cancer has shown enormous improvement over the last decades. In economically privileged countries, overall survival rates have now reached 80% at 5 years from diagnosis, and most of these young people will become long-term survivors.

Therefore, an optimal management of children with cancer is needed, based on knowledge of current treatment strategies. Treatment options in pediatric oncology are chemotherapy, radiotherapy, and surgery. However, some patients also require a stem cell transplantation to have a chance for cure.

Treatment of childhood cancer patients affects not only medical doctors or nurses but also pharmacists. Thus more and more knowledge about pediatric oncology pharmacy is required in daily practice. But up to now there is no book available for pharmacists who are involved in the field of pediatric stem cell transplantation to find the information they are looking for.

With this book Carolina Schmidt has closed that previous gap. After publishing several books about pediatric oncologic pharmacy like *Drug Therapy and Interactions in Pediatric Oncology: A Pocket Guide*, *Chemotherapy in Neonates and Infants: Pharmacological Oncology for Children Under 1 Year Old*, and *Pediatric Oncologic Pharmacy: A Complete Guide to Practice*, Carolina Schmidt addresses in this book a wide range of topics, for example, the background of hematopoietic stem cell transplantation, its meaning in the various kinds of childhood cancer, graft-versus-host disease, and antibacterial, antifungal, and antiviral prophylaxis.

All in all Carolina Schmidt has written an important book in a clear and professional style again. For the first time there is a book intended for all pharmacists who deal with the topic of stem cell transplantation for children and who want to find all needed information in one place. So I hope that the book will be widely distributed. I thank Carolina Schmidt for her innovative book idea and for the result of her work.

Christian Müller
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About the Author

Carolina Witchmichen Penteado Schmidt, Pediatric Oncologic Pharmacist and Writer. MBA in Planning and Business Management and Oncological Hospital Pharmacy Specialist. She is author of *Chubby's Tale: The True Story of a Teddy Bear Who Beat Cancer* (in the BookAuthority list of “81 Best Leukemia Books of All Time”) and of the Springer books *Pediatric Oncologic Pharmacy: A Complete Guide to Practice* (in the BookAuthority lists: Best Pharmacy Books of All Time, Best Pharmacy Books to Read in 2020, and Best Pharmacy ebooks of All Time), *Chemotherapy in Neonates and Infants: Pharmacological Oncology for Children Under 1 Year Old*, and *Drug Therapy and Interactions in Pediatric Oncology: A Pocket Guide*. She has extensive experience with chemotherapy in children, as well as in hospitals and clinics with pharmacy, drug interactions, pediatrics, oncology, hematology, neonatology, intensive healthcare, and infectology. She has academic experience in pharmacy, pediatrics, oncology, and hematology, teaching specialists such as pharmacists, physicians, and nurses. She always had a fascination for hematopoietic stem cell transplantation in pediatrics, having worked with several pediatric stem cell transplantations and writing about this theme for children in her book *Chubby's Tale: The True Story of a Teddy Bear Who Beat Cancer*. She published several children's books—under the pen name Carola Schmidt—about cancer, such as *Bald Is Beautiful: A Letter for a Fabulous Girl*.