

## **Transfusion Reactions**

*Edited by Mark Popovsky, MD*

This book updated the 2<sup>nd</sup> edition published in 2001 (465pp, 13 chapters and 18 contributors) with 5 more chapters and 9 additional contributors. This remains the only textbook available that covers transfusion reactions. The author continues to focus on the non-infectious complications by adding the newly recognized complications and adopting new terminologies.

The chapters are well organized, very comprehensive and expanded from the second edition. The book gives the reader a thorough appreciation of newer concepts of pathophysiology, investigation, and management. The chapter on transfusion-related acute lung injury (TRALI) is well updated and includes the TRALI consensus conference recommendation for prevention which is very close to the AABB recommendation released in 2008.

The 5 new chapters deal with newly recognised reactions like acute pain transfusion reactions in a small chapter but there is more to learn about this issue in the future especially its relation to the use of filters. The chapter covering the hypotensive reactions reviewed this complication since its first recognition almost a decade ago and its association with the leukoreduction filters and bradykinins. Another chapter covers reactions seen more with increasingly used products like haematopoietic progenitors cells specifically the cryopreservation related side effects (DMSO side effects ) and the infusion related toxicities which can be encountered with HPC-marrow, HPC-apheresis and HPC-cord and complications due to mismatch between the donor and the recipient. The increasingly utilized plasma derived products have led to more understanding of the specific complications e.g., thrombosis and acute renal failure are well covered in one chapter.

The chapter on evaluation of the transfusion reaction provides a procedural approach for both stable and unstable patient. The last chapter in the book covers reactions in the developing world which highlight the current reporting practices of transfusion reactions in the world as part of transfusion practice from ordering to hemovigilance and the emphasis on the need of more education.

This high quality updated textbook is appropriate for clinicians, laboratory workers, and nurses worldwide; the content is accessible for either subtopic or in-depth review. It is also a great reference for pathologists and blood bank physicians who manage blood transfusion practice.

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