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Book Review

Vaccines for cancer immunotherapy: An evidence-based review on current status and future perspectives, N. Rezaei, M. Keshavarz-Fathi (Academic Press, London, UK) 2019. 183 pages. Price: Not mentioned.

ISBN 978-0-12-814039-0

The very first chapter of this book 'Cancer Immunology', gives the fundamental idea of the basic immunology function against infection, which is good for beginners. The best part of this book is that it provides complete information on the existing knowledge about cancer vaccine immunology. The book is divided into 14 chapters, each chapter provides in-depth knowledge in a concise way, also the information provided in each chapter is linked with the discussion in the previous chapter which completes the story.

The second chapter gives an overall view about immunotherapy and various immune checkpoint molecules, however, it talks more about the immunotherapy drugs, followed by the basic concept and mechanism behind each immunotherapy. This should be looked into in the next edition.

In the next chapter, 'Vaccines, Adjuvants, and Delivery Systems', the vaccine part is discussed in an ordered manner and to the point which makes it interesting, but the supporting figure illustrations are only a few. These would have added value to elucidate the mechanisms behind vaccine functions.

The fourth chapter is totally about tumour antigens. Most other books combine this topic with another, which makes it hard to understand. It also talks about the obstacles in the development of therapeutic cancer vaccines which give the overall hurdle in the making of a vaccine.

Future perspectives on therapeutic cancer vaccines are also discussed providing an in-depth understanding of how it can be improved in the future.

Overall, this book is recommended to those students who are at the beginning of their career in the field of immunology or working on a vaccine for cancer immunotherapy.

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