

## **BOOK REVIEW**

### **Immunological Pathogenesis of Sepsis and Use of Hemosorption for Treatment of Cancer Patients with Sepsis**

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Dr. Natalia Anisimova is an outstanding immunologist at the Blokhin Russian Cancer Research Center in Moscow, headed by Prof. Kesilievsky. An outstanding author, Dr. Anisimova brings her vast knowledge in chemistry, biology, and clinical application into this text. In this most recent book written by Dr. Anisimova, she deals with the pathological condition of sepsis. Sepsis continues to be a major concern for the oncological patient, with 30 to 80% of deaths in the cancer patient occurring due in some way to sepsis. This particular book reviews the topic of sepsis from its pathogenesis to treatment, all within 5 succinct chapters. She delves into all aspects of sepsis including its morphology, cytokine production, and an in-depth description of the two current treatments for sepsis.

The first of these two methods is hemosorption, a method of dialysis able to decrease the number of cytokines produced during sepsis, as well as decreasing the bacterial or viral load. This method of hemosorption simply put, purifies the blood and ultimately eliminates the initiators and mediators of inflammation. There are then two chapters devoted to the new dialysis cartridges designed to detoxify plasma. The first cartridge is a hyper cross-linked polymeric absorbent, and the other cartridge is called Stryrosorb. The initial experimental applications in animal studies on both these new cartridges are reviewed by the author. The book is well represented with graphics that are both simple and easy to understand. This book will be of interest to oncologists, internists, anesthesiologists, and biologists alike. Anyone interested in the topic of sepsis should know of this great new resource.

*Review provided by Gianfranco Baronzio, MD, Scientific director of LM Cell Factory, Terni, Italy*