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Immunomodulatory effects of anesthetics in obese patients

Luciana Boavista Barros Heil, Pedro Leme Silva, Paolo Pelosi, Patricia Rieken Macedo Rocco

Abstract

Anesthesia and surgery have an impact on inflammatory responses, which influences perioperative homeostasis. Inhalational and intravenous anesthesia can alter immune-system homeostasis through multiple processes that include activation of immune cells (such as monocytes, neutrophils, and specific tissue macrophages) with release of pro- or anti-inflammatory interleukins, upregulation of cell adhesion molecules, and overproduction of

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