

Review of: "Perspectives on the Immune System in Sepsis"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

Immunological disorders are the key steps of sepsis progression. Their severity determines efficacy of patients' treatment as well as survivance. So topic of manuscript is actual.

Advantages: Current understanding of pathogenesis of immune dysfunction at sepsis and possible treatment modalities are reviewed in manuscript. Most recent data regarding genetic mechanisms involved to inflammatory response syndrome and organ failures are evaluated.

Disadvantages:

1. Abstract – generally is OK.
2. Introduction – is OK.
3. Clinical diagnosis and sepsis biomarkers – Recent data about efficacy of presepsin (sCD14-ST) as a marker of sepsis could be added.
4. Pathobiology – recent suggestions about genetic regulation of inflammatory pathways are presented. Most interesting and informative section of the manuscript.
5. Immune system modifications post sepsis – another informative section. Modern concepts of possible ways of correction of immune dysfunction are evaluated and discussed.
6. References – is OK.

Decision: the script and conclusions may be accepted without revision.