

[The impact of trauma on neutrophil function | Request PDF](#)

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Interestingly, although, there are numerous reports about neutrophil function after trauma, the human studies about the predictive potential of their modulated biology for the outcome after trauma...

[The impact of trauma on neutrophil function - ScienceDirect](#)

<https://www.sciencedirect.com/science/article/pii/S0020138314003143>

Dec 01, 2014 · In addition, trauma has been shown to lead to an alteration in neutrophil function. Recent data has established a link between the release of DAMPs and altered neutrophil function in trauma. In particular, HMGB1 and mtDAMPs have been shown to activate neutrophils via their binding to PRRs expressed by the cells.

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May 29, 2019 · After trauma, neutrophils help to resolve tissue damage and to form a sufficient defense against bacteria by phagocytosis, release of antimicrobial molecules through degranulation, and the release of neutrophil extracellular traps (NETs) [7, 50, 51]. Antimicrobial molecules include proteases and reactive oxygen species (ROS).

[Frontiers | Update on Neutrophil Function in Severe](#)



The impact of trauma on neutrophil function - ScienceDirect

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Dec 01, 2014 · In addition, **trauma** has been shown to lead to an alteration in **neutrophil function**. Recent data has established a link between the release of DAMPs and altered **neutrophil function** in **trauma**. In particular, HMGB1 and mtDAMPs have been shown to activate **neutrophils** via their binding to PRRs expressed by the cells.

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Oct 18, 2014 · Improvements in the control of haemorrhage **after trauma** have resulted in the survival of many people who would otherwise have died from the initial loss of blood. However, the danger is not over once bleeding has been arrested and blood pressure restored. Two-thirds of patients who die following **major trauma** now do so as a result of causes other than exsanguination. **Trauma** evokes a ...

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[Neutrophil: A Cell with Many Roles in Inflammation or ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5826082>

Feb 20, 2018 · Introduction. Neutrophils, also known as polymorphonuclear (PMN) leukocytes, are the most abundant cell type in human blood. They are produced in the bone marrow in large numbers, ~10¹¹ cell per day. Under homeostatic conditions, neutrophils enter the circulation, migrate to tissues, where they complete their functions, and finally are eliminated by macrophages, all in the lapse of a day.

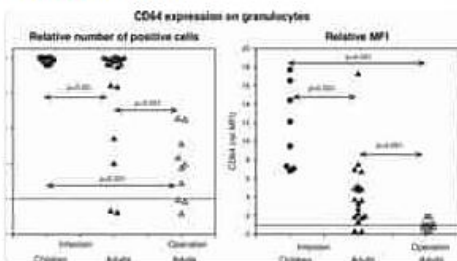
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