

Editorial

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“Peak to Leak” Pathophysiology of Burns



Vinayak Chavan and Ravi Kumar Chittoria*

Department of Plastic Surgery, Jawaharlal Institute of Postgraduate Medical Education and Research, India

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***Corresponding author:** Ravi Kumar Chittoria, Department of Plastic Surgery, Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry, India, Tel: +91-9442285670; Email: drchittoria@yahoo.com

Editorial

Burns is an emergency condition which every clinician comes across on day to day practice and understanding pathophysiology of it will help in better patient care. Endothelium acts as a permeable barrier between blood and underlying tissue, thermal burn injury not only cause direct protein coagulation but promotes endothelial dysfunction by release of proinflammatory mediators like reactive oxygen species, cytokines (platelet activating factor, tumor necrosis factor, etc.), and other

inflammatory mediators (histamine, bradykinin, etc.) from injured cells and activated neutrophils which causes increase in migration of macromolecules and fluid from the vessel into

the local injured tissue, they also affect vascular permeability in distant nonburn tissue and organs through circulation of blood [1,2]. This important phenomenon we would like to simplify by “PEAK to LEAK” concept which is post burn injury peak of proinflammatory mediators leading to leak of macromolecules and fluid into the interstitial compartment.

References

1. Demling RH (2005) The burn edema process: current concepts. *J Burn Care Rehabil* 26(3): 207-227.
2. Mehta D, Malik AB (2006) Signaling mechanisms regulating endothelial permeability. *Physiol Rev* 86(1): 279-367.



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