

**Editorial**

Volume 6 Issue 2 - March 2018  
DOI: 10.19080/JAICM.2018.06.555683

**J Anest & Inten Care Med**

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# “Peak to Leak” Pathophysiology of Burns



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**Submission:** March 07, 2018; **Published:** March 27, 2018

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## 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

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DOI: [10.19080/JAICM.2018.06.555683](https://doi.org/10.19080/JAICM.2018.06.555683)

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