

Special Issue on  
**Update on Vital Functions in Emergency Medicine: Focus on Oxygen**

# CALL FOR PAPERS

Emergency medicine is a rapidly developing, interdisciplinary branch of in- and prehospital medicine. Despite the enormous spectrum of pathologies treated and an ever-growing complexity herein, the core of emergency medicine is still the rapid control and stabilization of vital functions, ultimately serving blood and tissue oxygenation. Therefore, it appears important to reemphasize this common denominator in emergency medicine by promoting an update on vital functions in emergency medicine with focus on oxygen and oxygenation.

We invite clinicians, paramedics, and investigators alike to contribute original research articles, review articles, and exceptional clinical studies that provide new insights or summarize current knowledge of in- and prehospital emergency medicine, with an update on vital functions in emergency medicine. The focus on oxygen herein may include the entire cascade from respiratory oxygen delivery, pulmonary oxygen uptake, and circulatory oxygen transport to cellular oxygen metabolism.

Potential topics include but are not limited to the following:

- ▶ Monitoring in emergencies, for example, ventilation, circulation, or (tissue) oxygenation
- ▶ Medical emergencies related to oxygen and oxygenation, for example, cardiac, respiratory, neurologic, metabolic, obstetric, or pediatric emergencies
- ▶ Trauma emergencies, for example, multitrauma or traumatic brain injury
- ▶ Resuscitation with focus on oxygen and oxygenation, for example, cardiopulmonary resuscitation or fluid resuscitation
- ▶ Water-, fire-, and explosion-related emergencies, for example, drowning, diving accidents, burn injuries, or blast trauma
- ▶ Intoxications, for example, drugs, gases, medications, natural toxins, terror, and military toxin emergencies
- ▶ Human factors in emergency medicine related to oxygen therapy or oxygenation, for example, simulation and training in emergency medicine
- ▶ Technical aspects, for example, resuscitation devices with focus on oxygen and oxygenation
- ▶ Medical errors in oxygen administration in emergency medicine

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/emergency.medicine/uvfem/>.

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**Manuscript Due**

Friday, 28 October 2016

**First Round of Reviews**

Friday, 20 January 2017

**Publication Date**

Friday, 17 March 2017