

Acute Trauma: Immediate Interventions, Long-Term Impacts, Advancements, and Medico-legal Evaluation

Acute trauma still poses several diagnostic, rehabilitation, medico-legal, and organizational challenges. This special issue will focus on the latest research, best clinical practices, and innovations in understanding, diagnosing, and treating acute trauma. The scope of articles may encompass but is not limited to, advancements in trauma care, interventions for both physical and psychological injuries, the role of early diagnosis, and strategies for enhancing recovery outcomes. Some topics are further detailed.

Trauma Management:

- Advances in emergency trauma care and surgical techniques.
- Innovations in diagnostic tools for acute injuries.
- Best practices in wound care, fracture management, and rehabilitation strategies.
- Aspects of clinical risk management and professional liability in traumatology.

Psychological Impact of Acute Trauma:

- Psychological effects of acute trauma investigation.
- Long-term psychological issues such as PTSD.

Prevention, Preparedness, and Organization:

- Effective community and healthcare system preparedness for mass casualty incidents and natural disasters.
- Training for first responders in managing acute trauma situations.
- Public health strategies for reducing the incidence of trauma and HCW violence.
- Emergency medical service organizations, on-scene timing, and acute trauma management.

Technological Innovations in Trauma Care:

- The role of telemedicine in providing acute trauma care.
- Use of AI and machine learning in trauma diagnosis and decision-making.
- Wearable technology for real-time monitoring and early detection of trauma complications.

Trauma in Vulnerable Populations:

- Acute trauma in children, the elderly, and individuals with disabilities.
- Addressing the unique challenges of trauma in under-served and marginalized communities.

Rehabilitation and Recovery:

- Multidisciplinary approaches to trauma recovery.
- Long-term outcomes and quality of life assessment and disabling sequelae assessment.

Keywords: EMS; Trauma Management; Healthcare System Preparedness; Medico-Legal Evaluation

➤ **Deadline for manuscript submissions:** 31 January, 2026

➤ **Online Submission System:** <https://js.signavitae.com/ch/author/login.aspx>

Special issue title

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Signa Vitae

Impact Factor: 1.0 (2023)

Print ISSN: 1334-5605

Online ISSN: 1845-206X

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www.signavitae.com



Scopus Preview

