

Sex-related differences in peri-operative and in critically ill patients

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Sex and gender differences are considered two emerging risk factors impacting morbidity and mortality. Sex, as the biological difference between men and women, influences physiology and pathophysiology of diseases. On the other hand, gender, as a social construct, may influence patient behaviour and clinician approach. Sex and gender disparities are reported in epidemiology, pathophysiology, clinical manifestations, and in response to treatment of diseases. They could be explained not only by genetic, epigenetic, and hormonal factors, but also by social behaviours such as smoking, alcohol, social attitude, sexual behaviour, and occupation.

The need for personalized medicine and patient-tailored treatment encourages physicians and researchers to consider sex and gender when dealing with disease prevention, diagnosis, and treatment. Cardiovascular diseases, cancer and metabolic syndrome, which are some of the most prevalent diseases worldwide, have been demonstrated to be strongly affected by sex and gender differences with a male prevalence. Instead, autoimmune diseases, pulmonary diseases, psychiatric and neurological diseases have a higher incidence in women compared to men.

However, evidence assessing sex and gender differences among peri-operative patients and critically ill patients hospitalized in the emergency department and in the intensive care unit are still lacking. Variations in response to treatment of critically ill patients, according to sex and gender, should be more deeply investigated. **Therefore, our journal is keen on publishing a special issue on sex and gender differences in the following settings:** out of hospital and in-hospital emergencies; management of critically ill patients outside and inside the intensive care units; and perioperative setting.

Deadline for manuscript submissions: 09 June, 2022

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

Cooperative Associations & Societies



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Associazione Italiana per lo Studio del Dolore
Italian Association for the Study of Pain



Ukrainian Society of Regional anaesthesia and pain medicine



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