



Call for Papers for a Special Issue

[Journal of Medical and Surgical Research:](#)

"Transitions of M&S Advances in Healthcare to Clinical Practice"

Modeling and simulation (M&S) has grown to significantly impact the healthcare ecosystem, and it continues to play a critical role in training and rehearsing medical and clinical skills. M&S research has truly thrived across numerous clinical specialties enhancing the quality of education, training, and assessment of medical practitioners, and becoming essential in making better decisions utilizing the appropriate model for the problem at hand. M&S research in healthcare can span a wide range of medical and clinical applications, such as patient safety, human factor issues, simulation-based training, hospital operations, better management of health needs, and competency among healthcare providers.

This special issue focuses on M&S research work that has improved the quality of medical treatment or healthcare practice. We invite you to share M&S success stories, breakthroughs, and future trends in clinical practice and discuss how M&S methodologies and their implementation have significantly enhanced medical or clinical cases. Ongoing research work with highly promising results is also welcomed.

Topics of interest include, but are not limited to:

- Surgical simulators and image-guided procedures
- Haptic devices for medical training
- Manikins and standardized patients
- Immersive simulation in healthcare(virtual reality (VR), hybrid systems, and constructive simulations)
- 3D printing and rapid prototyping for healthcare applications
- Simulation based education, training, and assessment
- Human factors issues and patient safety
- Clinical outcome predictions
- Simulation studies based on patient outcomes
- Patient care management.



Important Dates:

Full paper submission deadline: **May 15th, 2017**

Notification: **May 29th, 2017**

Publication: **June 2017**

Submission Information:

All submitted papers should adhere to the general principles of the *Journal of Medical and Surgical Research* articles. [Submissions](#) have to be prepared according to the [Authors Guidelines](#).

Special Issue Editor-in-Chief:

Younes Cherradi, Medical and Surgical Research Journals Group (MSRJGroup), Rabat, Morocco

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If you have any questions concerning the topics and scope of this special issue, please do not hesitate to contact the guest editors.