**REVIEW ANGIOTHERAPY** 

# Advances in Therapeutic Approach for Orthopaedic <a>P</a> Surgery — A Review



Adnen Esse Al Idlebii 1°

## Abstract

Recent advancements revolutionized the management of musculoskel conditions and injuries. This review provides insights into the latest developments in orthopaedic treatment. Stem cell therapy and platelet-rich plasma (PRP) injections in Regenerative Medicine have emerged as promising approaches to enhance tissue regeneration and accelerate healing. Robotic-essisted surgery enables surgeons to perform more precise procedures, improving surgical outcomes. Personalized medicine, tailored to individual genetic and environmental factors, is gaining prominence in treatment planning. Remote patient monitoring and telemedicine offer opportunities enhance patient care and optimize healthcare del Additionally, the Integration of artificial in and machine learning (ML) in orthopedics, ( diagnosis and treatment planning, is considerable Interest. Overall, these a led to enhanced treatment quality, red

\*Correspondence.

Adnan Essa Al kilabi, Kufa Medical College, Asader Teaching Hospital, Alkufa University,

E-mail: dr.adnanessa@gmail.com

Editor Muhammed Asif, and accepted by the Editorial Board Apr 12, 2024 (received for review Jan 29, 2024)

periods, and improved patient outcomes in orthopedic SUITGREY, Keywords: Orthopsedic Surgery, Regenerative Medicine, Minimally investve Techniques, Joint Replace

de, diagnostic methods, treatment e care becomes crucial for optimizing

at problems with the bease, muscles, joints, ras es a result of accidents, chronic diseases, or istal disorders, a board-certified orthopodist or on will perform surgery. Furthermore, hareditary impairments, eging-related musculoskalated disorders, and eginal cont-related neurological disorders may all be addressed with erthopastic surgery (Swarup and O Donnell, 2016). Orthopastic surgery is an over-changing field that has changed the way patients are cared for via a series of innovative techniques. Traditional surgical methods, with their from on accuracy and biomechanical principles, here long served as the foundation of the specialty. Reducing surgical stress and speeding up postoperative recovery, minimally investor methods became the norm in the late 20th. century, as above by (Mitheay et al., 2025).

The fature of orthoposite surgery is being defined by technical. rencements that here taken front stage in the last fire decades.

<sup>1</sup> Kufa Medical College, Asader Teaching Hospital, Alkufa University, Iraq

## Please cite this article.

Adnan Essa Al kilabi (2024). Advances in Therapeutic Approach for Orthopaedic Surgery - A Review, Journal of Angiotherapy, 8(4), 1-17, 9612

> 2207-8843/© 2024 ANGIOTHERAPY, a publication of Eman Research, USA. This is an open access article under the CC BY-NC-ND license (http://creativecommons.org/licenses/by-nc-nd/4.0/).
> (https:/publishing.emanresearch.org).