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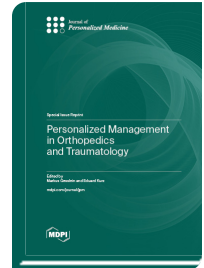
Special Issue Reprint

Personalized Management in Orthopedics and Traumatology

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Edited by
Markus Gesslein
Eduard Kurz

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Sports Medicine and Injury Prevention: The shift towards personalized approaches in sports medicine optimizes athlete care by considering unique biomechanics, medical history, and performance goals. This Special Issue highlights personalized medicine's impact on injury prevention, rehabilitation, and performance management. Kopf et al. investigated painkiller use in amateur football, revealing that 36.2% of players used painkillers for pain relief. While 74% of coaches opposed their use in competition, 56.2% admitted to using them, indicating a need for preventive measures. Weber et al. examined sports-related concussions in 86 athletes, emphasizing the importance of personalized assessments. Prill et al. assessed knee orthotics' impact on coordination in a trial with 24 participants, suggesting they do not impair performance.

Personalized Approaches to Trauma Surgery: This Special Issue emphasizes advancements in personalized trauma surgery, focusing on diagnostics and surgical planning. Tepordei et al. developed a method for detecting compartment syndrome. Hanke et al. noted a preference for operative approaches among trauma surgeons. Sakong et al. highlighted the benefits of 3D-printed models for preoperative planning.



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