



Blood-Derived Products for Tissue Repair/Regeneration

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Message from the Guest Editors

Blood-derived products, in particular, platelet-rich plasma (PRP), have recently become the focus of intensive interest and discussion, in part because of the evolution of our understanding of platelet biology and the reinterpretation of some of their traditional roles in hemostasis and tissue repair. The biological effects of PRPs are largely attributed to the platelet secretome and plasma signaling proteins. Clinical data suggest that PRPs may exploit different regenerative mechanisms under diverse clinical conditions, including hemostasis, inflammation, angiogenesis, and tissue anabolism, among others. However, many potential molecular mechanisms acting simultaneously to promote tissue healing present a challenge to the identification of critical mechanisms behind PRP therapies.

This Special Issue will cover a selection of articles that inform and provide insights about PRP biology and PRPs' (or other blood-derived products) and combination products' (PRP + cell products, PRP + drugs, and PRP + biomaterials) clinical successes and failures.

Experimental papers, clinical studies, up-to date reviews, and commentaries are all welcome.





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Message from the Editor-in-Chief

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