

Features:

- Presents the current state-of-the-art treatments for orthobiologics, including PRP, stem cell therapy, growth factors, scaffolds, and more
- Includes a comprehensive overview of orthobiologics, including definitions, terminology, processing characteristics, clinical outcomes, and more
- Presents current information on the ever-changing regulatory environment
- Provides real-time information on clinical and surgical utilization of orthobiologics
- Written for clinicians, researchers, and students, with content relevant to all those who participate in orthobiologic research and treatment, including orthopaedic surgeons, sports medicine specialists, rheumatologists, physiatrists, and any/all clinicians and researchers with an interest in orthobiologics and regenerative medicine.

Περιεχόμενα:

1. Autologous blood; platelet-rich plasma and platelet-poor plasma
2. Defining, measuring and optimizing platelet-rich plasma
3. Optimal use of platelet-rich plasma and platelet-poor plasma
4. Where orthobiologics started: what are mesenchymal stem cells?
5. Bone marrow-derived mesenchymal stromal cells
6. Defining, optimizing, and measuring bone marrow aspirate and bone marrow concentrate
7. Optimal clinical use of bone marrow aspirate and bone marrow aspirate concentrate
8. Adipose mesenchymal stromal cells
9. Defining, optimizing, measuring, and utilizing adipose, MFAT, etc.
10. Optimal clinical use of adipose mesenchymal stromal cells
11. Basic science and preclinical evidence for amniotic membrane-derived allografts in
12. Defining, optimizing, and measuring amniotic/ placental mesenchymal stem cells
13. Optimal clinical use of amniotic/placental mesenchymal stem cells
14. Synovial mesenchymal stem cells
15. Peripheral blood stem cells
16. Orthobiologics—growth factors and mediators
17. Orthobiologics in the procedure room—who, what, where, when, and how
18. Orthobiologics in the operating room—who, what, where, when, and how
19. The changing regulatory environment: regulations and restrictions
20. Bioscaffolds for osteochondral injuries of the knee
21. Orthobiologics on the horizon
22. Complications associated with orthobiologics