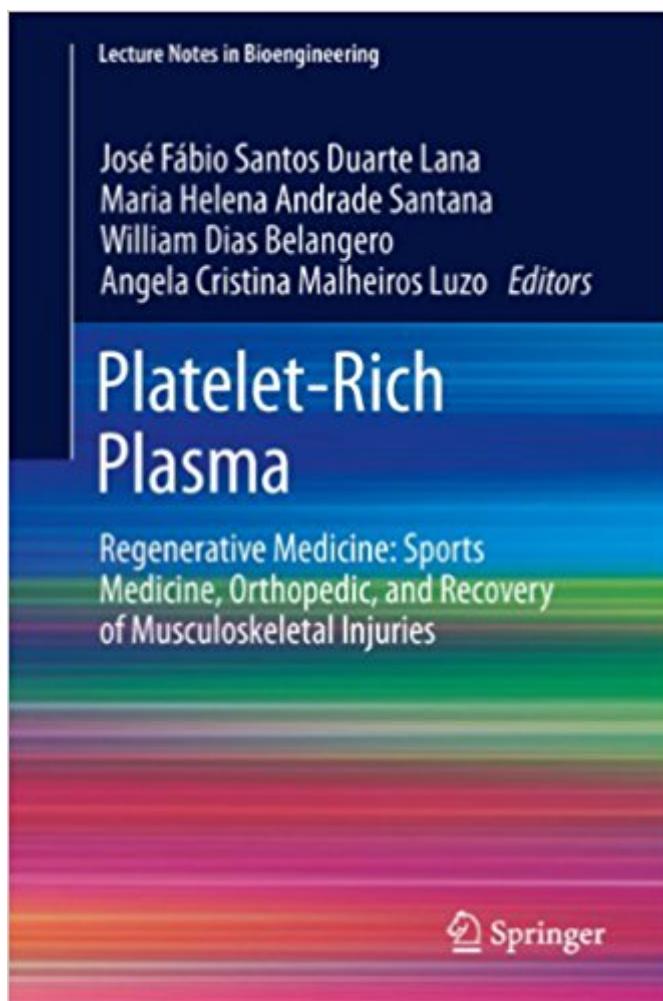


The book was found

# Platelet-Rich Plasma: Regenerative Medicine: Sports Medicine, Orthopedic, And Recovery Of Musculoskeletal Injuries (Lecture Notes In Bioengineering)





## Synopsis

Platelet-Rich Plasma (PRP) has gained tremendous popularity in recent years as a treatment option for specialties including Orthopedics, Dentistry, Sports Medicine, Otorhinolaryngology, Neurosurgery, Ophthalmology, Urology, Vascular, Cardiothoracic and Maxillofacial Surgery, and Veterinarian Medicine. Nowadays, PRP and Stem Cell Science have added an exciting dimension to tissue repair. This book begins by giving the reader a broad overview of current progress as well as a discussion of the technical aspects of preparation and therapeutic use of autologous PRP. It is followed by a review of platelet structure, function and major growth factors in PRP (PDGF and TGF $\beta$ ). The third chapter outlines the basic principles of biochemical cellular metabolism that increases the efficacy of PRP. Analogous to the preparation of soil for a garden, restoring cellular health should be the first consideration in Regenerative Medicine. Standardization of PRP preparation to clinical use still remains a challenging prospect. In this sense, a feasible strategy for studying PRP preparation is illustrated, which also allows to modulate and tailor the quality of PRP for further clinical applications. The science behind PRP and stem cells, on tissue regeneration, cell proliferation and mesenchyme stem-cells are emphasized and reviewed. Various specific uses of PRP are described with detailed illustrations of various personal experiences mainly in orthopedic injuries, ligament and tendon repair, degenerative diseases, sports medicine, chronic wound healing as well as rehabilitation aspects in tendinopathy. Expertly written by leading scientists in the field, this book provides for beginners and experienced readers scientific fundamentals, the state of art of PRP, specific uses and personal experiences with a practical approach and reference for current trends in use. Finally, this book paves the way for future developments.

## Book Information

File Size: 3338 KB

Print Length: 360 pages

Publisher: Springer; 2014 edition (October 29, 2013)

Publication Date: October 29, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00GAQS9JM

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #412,970 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #76

inÂ Kindle Store > Kindle eBooks > Medical eBooks > Specialties > Sports Medicine #95

inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Biological Sciences > Biochemistry

#235 inÂ Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering

## Customer Reviews

A collection of papers, some interesting, some not so interesting. Quite a bit of repetition. Very expensive.

excellent review book for those interested in PRP application and up to date knowledge.it is a must have book.jose a. sacre md.

Good summary of the literature. Ends with a treatment protocol.

[Download to continue reading...](#)

Platelet-Rich Plasma: Regenerative Medicine: Sports Medicine, Orthopedic, and Recovery of Musculoskeletal Injuries (Lecture Notes in Bioengineering) Regenerative Treatments in Sports and Orthopedic Medicine Rich Dad's Retire Young Retire Rich: How to Get Rich and Stay Rich Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Lecture Notes on Principles of Plasma Processing Addiction: The Last ADDICTION RECOVERY Guide - The Infallible Method To Overcome Any Addiction: (addiction, addiction recovery, breaking addiction, overcoming ... addiction recovery, recovery, clean Book 4) Introduction to plasma physics and controlled fusion. Volume 1, Plasma physics Fundamental Aspects of Plasma Chemical Physics: Transport (Springer Series on Atomic, Optical, and Plasma Physics) Laser Interaction and Related Plasma Phenomena (Laser Interaction & Related Plasma Phenomena) Industrial Plasma Engineering: Applications to Nonthermal Plasma Processing, Vol. 2 Tokamak Plasma: A Complex Physical System, (Plasma Physics) Atlas of Ultrasound Guided Musculoskeletal Injections (Musculoskeletal Medicine) Basic Orthopedic Exams (Child, Basic Orthopedic Exam) Orthopedic Physical Assessment, 4e (Orthopedic Physical Assessment (Magee)) Habits of the Super Rich: Find Out How Rich People Think and Act Differently: Proven Ways to Make Money, Get Rich, and Be Successful Loopholes of

the Rich: How the Rich Legally Make More Money and Pay Less Tax (Rich Dad's Advisors) You Can Choose to Be Rich: Rich Dad's 3-step Guide to Wealth (Rich Dad Book Series) Orthopedic Physical Assessment Atlas and Video: Selected Special Tests and Movements, 1e (Musculoskeletal Rehabilitation) Any Given Monday: Sports Injuries and How to Prevent Them for Athletes, Parents, and Coaches - Based on My Life in Sports Medicine Limb Salvage in Musculoskeletal Oncology (Bristol-Myers/Zimmer Orthopedic Symposium)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)