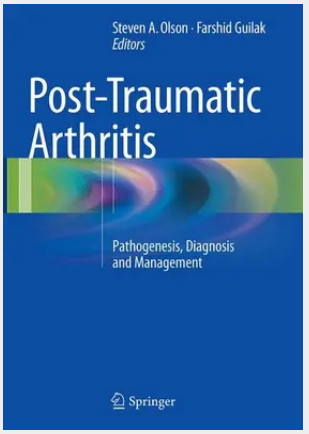
Olson, MD / Guilak, PhD

Post-Traumatic Arthritis

Pathogenesis, Diagnosis and Management



Bringing together the most up-to-date research on post-traumatic arthritis (PTA) and its management, this book is a comprehensive presentation of the current thinking on all aspects of the mechanisms of joint injury and subsequent development of PTA. Divided into thematic sections, it includes discussions of the incidence and burden of PTA, both in society at large and in the military population specifically; the relevant experimental work on PTA, from basic science to animal models; peri-articular tissue responses to of joint injury and potential mechanisms of PTA; the current clinical assessment and treatment of common joint injuries leading to PTA; and emerging technologies and treatments for PTA, including biomarkers and stem cell therapies. Taken together, it will be an invaluable resource for orthopedic surgeons, rheumatologists and other joint injury researchers and clinicians.

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128,39 €
119,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781489979728
Medium: Buch
ISBN: 978-1-4899-7972-8
Verlag: Springer
Erscheinungstermin: 12.10.2016
Sprache(n): Englisch
Auflage: Softcover Nachdruck of the original 1. Auflage 2015
Produktform: Kartoniert
Gewicht: 7978 g
Seiten: 360
Format (B x H): 178 x 254 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)