

1. Record Nr.	UNINA9910454281503321
Titolo	Bone morphogenetic protein and collagen [[electronic resource] ] : an advances in tissue banking specialist publication // editor, Glyn O. Phillips
Pubbl/distr/stampa	River Edge, NJ, : World Scientific, c2003
ISBN	1-281-93570-0 9786611935702 981-279-529-4
Descrizione fisica	1 online resource (169 p.)
Collana	Series in allografts in bone healing ; ; v. 2
Altri autori (Persone)	PhillipsGlyn O
Disciplina	612.75
Soggetti	Bone morphogenetic proteins Collagen Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"An Advances in tissue banking specialist publication."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	CONTENTS ; Introduction to the Series ; Preface ; List of Contributors ; Chapter 1 From Bone Allografts to Synthetic Bone Grafts: Bone Morphogenetic Proteins and Osteoinduction ; 1. Introduction ; 2. Bone Morphogenesis is a Cascade 3. Purification Cloning and Expression of Recombinant BMPs 4. BMPs and Chondrogenesis and Cartilage Maintenance ; 5. BMPs: Pleiotropy and Thresholds ; 6. BMP Receptors and Smads ; 7. BMPs: Clinical Applications ; 8. Acknowledgements ; 9. References Chapter 2 The Osteoinductive Properties of Demineralised Bone Matrix Grafts 1. Introduction ; 2. Factors Affecting the Osteoinductivity of DBM Grafts ; 3. Cellular Effects of DBM Grafts ; 4. The BMPs ; 5. DBM Grafts in Clinical Use ; 6. Assays For DBM Activity ; 7. References

Chapter 3 Processing Factors Contributing To Production Of Maximally Osteoinductive Demineralised Ground Bone For Use In Orthopaedic Or Periodontal Applications

1. Introduction ; 2. Cleaning of Bone ; 3. Demineralization of Bone ; 4. Determination of Osteoinductive Potential of Bone  
5. Summary and Conclusions 6. References  
; Chapter 4 Clinical Effectiveness of Demineralised Bone Matrix Assayed in Human Cell Culture  
; 1. Introduction ; 2. Material and Methods  
; 3. Results ; 4. Discussion ; 5. Acknowledgement ; 6. References  
Chapter 5 The Influence of Sterilisation on the Osteoinductive Properties of Bone in Rat Bone Marrow Cell Culture

---

Sommario/riassunto

What are bone morphogenetic proteins (BMPs) and how can they be used in orthopaedic practice? Ever since Urist proposed in 1976 that protein factors from cortical bone appeared to modulate bone healing in animals, there has been a search for these mysterious osteoinductive components. Now that their structure has been elucidated, they have been purified and cloned, and are now available for the improvement of bone healing. The best source of BMPs is demineralised bone. This bone allograft is used to achieve greater osteoinductive capacity. But are the actions of procurement, processing, demi

---

2. Record Nr.	UNINA9910784423103321
Titolo	Sperm collection and processing methods // edited by Rajasingam S. Jeyendran [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2003
ISBN	1-107-12674-6 1-280-15989-8 9786610159895 0-511-11626-8 1-139-14872-9 0-511-06554-X 0-511-05923-X 0-511-54518-5 0-511-33093-6 0-511-06767-4
Descrizione fisica	1 online resource (ix, 160 pages) : digital, PDF file(s)
Disciplina	612.6/1
Soggetti	Sperm banks Frozen semen Spermatozoa - Collection and preservation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Sperm Procurement Methods / R.S. Jeyendran and Craig Niederberger -- Patient semen collection / R.S. Jeyendran and Jane M. Nani -- Patient semen collection with assistance / Jane M. Nani and R.S. Jeyendran -- Clinical semen collection / David Chen and Robert Brannigan -- Anejaculatory men / David Chen and R.S. Jeyendran -- Azoospermic men / Robert Brannigan -- Clinical sperm collection / Richard Schoor, Lawrence S. Ross and Craif Niederberger -- Sperm Processing Methods / R.S. Jeyendran and X. John Zhang -- General procedures: Sperm washing, sperm treatment and cryopreservation / R.S. Jeyendran, Andrew Ruiz and X. John Zhang -- Sperm processing procedure for intrauterine insemination / Andrew Ruiz and R.S. Jeyendran -- Sperm

processing procedure for assisted reproductive technology / X. John Zhang and R.S. Jeyendran.

---

Sommario/riassunto

This practical guide to sperm collection and processing methods demonstrates how successful these procedures are to overcome even severe infertility. This compilation, prepared by an interdisciplinary team of experts, provides clinical and laboratory professionals in reproductive medicine with a comprehensive overview and a useful source of reference. Difficulties with sperm procurement can involve biological deficiencies with sperm creation, delivery, or both. The various procedures described in this text are all designed for one purpose: acquisition of as many viable sperm as possible, given initial patient conditions. Once sperm are collected, a myriad of processing methods are then available to optimize their fertilization potential. Recent advances have made fertility conditions once deemed hopeless a thing of the past. Most sterility cases are now either treatable or entirely circumvented through various clinical and laboratory techniques described in this volume, including surgical correction, hormone treatment, and various sperm enhancement technologies.

---