


Auflage: 1st Edition 2014  
Seiten: 84  
Abbildungen: 275  
Einband: Softcover  
ISBN: 978-0-86715-648-5  
Artikelnr.: 7374  
Erschienen: Juni 2014

Preis  
Änderungen vorbehalten!

£62.00

#### Quintessence Publishing Company, Ltd.

 Grafton Road  
KT3 3AB New Malden, Surrey  
Vereinigtes Königreich von Großbritannien und  
Nordirland

 +44 (0)20 8949 6087

 +44 (0)20 8336 1484

 [info@quintpub.co.uk](mailto:info@quintpub.co.uk)

 <http://nginx/gbr/en>

## Buch-Information

**Hrsg.:** Murata, Masaru / Um, In-Woong

**Titel:** Advances in Oral Tissue Engineering

**Kurztext:**

For many decades, researchers have tried to develop materials that could be used just like autogenous bone. The editors of this book have assembled experts to showcase recent developments in tissue engineering and to demonstrate the basic biologic phenomena of bone repair using dentin grafts, growth factors, stimulating factors, inductive factors, and other factors in clinical applications. The research gathered in this book underscores the excellent outcomes based on sound science and pioneering clinical applications. New techniques using the tooth materials provide realistic and practical regenerative treatments for all patients.

**Contents**

- Chapter 01. Bone Autografting
- Chapter 02. Angiogenic Capacity of Periodontal Ligament-Derived Stem Cells
- Chapter 03. Gene Expression of BMP Receptor and Osteopontin in In Vitro-Induced Odontoblast-like Cells
- Chapter 04. Dentin Conditioning with BMP for Reconstruction of Periodontal Attachment
- Chapter 05. Primary Cell Culture from Human Dental Pulp
- Chapter 06. Detection of BMP-2 in Human Dental Pulp
- Chapter 07. Detection of Bacteria in Human Tooth-Derived Biomaterials
- Chapter 08. Subcutaneous Implantation of Demineralized Dentin Matrix
- Chapter 09. Surface Design and Functional Control of Demineralized Dentin Matrix
- Chapter 10. Autotransplantation of Teeth and Decalcified Dentin into the Atrophied Anterior Maxilla
- Chapter 11. Maxillary Bone Transport and Autologous Tooth Bone Grafting for Alveolar Cleft Repair
- Chapter 12. Maxillary Implant Restoration with Autograft of Decalcified Dentin Matrix
- Chapter 13. Extraction Socket Preservation and Reconstruction
- Chapter 14. Periodontal and Peri-implant Defects
- Chapter 15. Familial Tooth Bone Graft

**Fachgebiet(e):** Fachübergreifend