

# **Engineering The Knee Meniscus (Synthesis Lectures On Tissue Engineering)**

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### **The knee meniscus: structure-function, -**

thought to be through host cell migration and subsequent synthesis of meniscus integrated to achieve successful engineering of the knee meniscus,

### **Tension-Compression Loading with Chemical -**

Nov 16, 2011 The knee joint is a complex system of tissues that each lends unique and collagen synthesis and the compressive properties of articular cartilage .. This study significantly advances meniscus tissue engineering by being . Athanasiou KA, Sanchez-Adams J. Synthesis Lectures on Tissue Engineering.

### **Regional mitogenic response of the meniscus to -**

Synthesis Lectures on Tissue Engineering, 2009, 1, 1, 1. CrossRef. 14. Toward Tissue Engineering of the Knee Meniscus, Tissue Engineering, 2001, 7, 2, 111.

### **Engineering the knee meniscus (Book, 2009) -**

ISBN: 9781598298727 1598298720: OCLC Number: 320047191: Description: xi, 83 pages : illustrations ; 24 cm. Series Title: Synthesis lectures on tissue engineering, #1.

### **Regional Characterization of the Knee Meniscus and -**

As a major obstacle for meniscus engineering is the Tissue engineering; Dermal stem cells; Cartilage of the Knee Meniscus and Tissue Engineering with

### **Meniscus tissue engineering - Regenerative -**

and matrix synthesis. Comparison of scaffolds and culture conditions for tissue engineering of the knee meniscus. Tissue Engineering, 11 (7 8)

### **Bioengineered meniscus repair -**

replacement of damaged cartilage in the knee % of the meniscus on average. Using tissue engineering and biological reaction following rotator

### **IEEE Xplore Abstract - Engineering the Knee -**

The knee meniscus was once Need for Tissue Engineering / Tissue Engineering of the Knee Meniscus / Current Synthesis Lectures on Tissue Engineering

### **Wavy-Walled Bioreactor Supports Increased Cell -**

experimental cartilage tissue-engineering vessel. Increased construct . the femoropatellar groove of calf knee joints within 6 h of slaughter. Explants Engineering the Knee Meniscus. Synthesis Lectures on Tissue Engineering. 1:1, 1-97.

### **BMC Veterinary Research | Full text | In vitro -**

Synovium may be a useful cell source for meniscal tissue engineering because of its ECM synthesis targets in meniscal tissue of knee cartilage loss

### **Regeneration of whole meniscus using meniscal -**

Regional Effects of Enzymatic Digestion on Knee Meniscus Cell Engineering the Knee Meniscus, Synthesis for Cartilage Tissue Engineering,

### **Meniscus Repair and Artificial Meniscus -**

beginning to play low stress sports and six months before playing sports involving greater levels of stress to the knee. Meniscus Surgery

### **Alteration of the Fibrocartilaginous Nature of -**

Feb 12, 2013 Articular cartilage and the menisci of the knee joint lack intrinsic repair Tissue engineering offers the potential to replace damaged cartilage and As ACs and MCs flatten and change their metabolic emphasis from matrix synthesis to cell proliferation, they .. Synthesis Lectures on Tissue Engineering.

### **Meniscus Regeneration in a Rabbit Partial -**

Meniscectomy is known to be associated with osteoarthritis of the knee. The purpose of this High density type I collagen gels for tissue engineering of whole menisci. Jennifer L. Synthesis Lectures on Tissue Engineering. Jan 2009, Vol.

### **Synthesis Lectures on Tissue Engineering - Morgan -**

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### **Formation of Vascularized Meniscal Tissue by -**

be beneficial for treating injuries to the meniscus, a structure in the knee where the lack of a vascular supply is Synthesis Lectures on Tissue Engineering.

### **Publications - Biomedical Engineering -**

Biological Augmentation and Tissue Engineering Approaches in Meniscus Surgery. Passive Strain-Induced Matrix Synthesis and Organization in Shape- Specific . Regional effects of enzymatic digestion on knee meniscus cell yield and phenotype for tissue engineering. Instructional Course Lectures 2011; 60: 583-94.

### **Biological Strategies to Enhance Healing of the -**

Nov 1, 2011 The menisci of the knee are two semilunar fibrocartilaginous structures scaffold implants to increase proteoglycans and/or collagen synthesis [37, 43]. of autologous fibrochondrocytes in meniscal tissue engineering is limited by .. plasma as an alternative strategy, Instructional Course Lectures, vol.

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