



19800-Review

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1 Name of Journal: *World Journal of Orthopedics*

2 ESPS Manuscript NO: 19800

3 Manuscript Type: SYSTEMATIC REVIEWS

4

5 Use of chondral fragments for one stage cartilage repair: A systematic review

6

7 Davide Edoardo Bonasia, Antongiulio Marmotti, Federica Rosso, Gianluca Collo, Roberto

8 Rossi

9

10 **Abstract**

11 **AIM:** The goal of this review is to investigate the state of the art regarding Cartilage

12 Autograft Implantation System (CAIS) or Particulated Juvenile Allograft Cartilage (PJAC).

13

14 **METHODS:** The authors searched the English literature regarding CAIS and PJAC. The

15 search strategy was: (particulated cartilage) OR autologous cartilage fragments. All basic

16 science articles were included. Clinical articles with less than 10 patients treated and less

## Match Overview

1	<b>Internet</b> 117 words crawled on 22-May-2012 <a href="http://lib.bioinfo.pl">lib.bioinfo.pl</a>	2%
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2014年12月8日 - Join now Login ... ICRS (International Cartilage Repair Society)

Grading System ... of cartilage; may relieve mechanical symptoms from loose chondral fragments ... size constraints and donor site morbidity limit usage of this technique ... include autologous tissue, cost-effectiveness, single-stage, may be ...

### Cartilage Health - Articular Cartilage Repair Surgery

[www.cartilagehealth.com/acr.html](http://www.cartilagehealth.com/acr.html) ▾ 翻译此页

2009年1月4日 - We are in the 21st century now so why does articular cartilage damage .... MRI scans are increasingly being used to help to diagnose articular cartilage and new ... 1, cartilage has some softening and blistering, grade-1-ver-2.jpg ... If an area is unstable fragments of articular cartilage may break off from the ...

### [PDF] Osteochondral Injury of the Knee - Peninsula Orthopaedic ...

[www.peninsulaortho.com/downloads/osm\\_scopp.pdf](http://www.peninsulaortho.com/downloads/osm_scopp.pdf) ▾ 翻译此页

2005年12月3日 - and cell therapies, Genzyme Biosurgery is excited to now be driving the ... cartilage repair solutions is destined to redefine the field of ... Chondral and osteochondral injuries are common ... grade 2 (osteochondral fragment attached by an os- ..... tion in osteoarthritic chondrocytes.34 The use of OP-1 is.



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作者: MMC Cavalcanti Filho - 2012 - 被引用次数: 3 - 相关文章

Surgery should be reserved for patients with detached **chondral fragments**, blocked ...  
The scoring system for macroscopically assessing **cartilage** defect **repairs** was ... One  
alternative **used** for treating partial **chondral** lesions is radiofrequency, ..... A **systematic**  
**review** conducted by Farr et al<sup>(59)</sup>, which included 77 articles, ...

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2015年9月18日 - Spectrum of disease entities from **single**, focal defects to advanced  
degenerative ... 5-10% of people > 40 years old have high **grade chondral** lesions ... are  
evolving techniques to evaluate **cartilage** defects and **repair** ... need osteochondral  
**fragment** with adequate subchondral bone .... Topic **Review** Topic.

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We **review** cell-based **cartilage repair** technologies currently in the early phases of ... of  
any associated joint pathologies including **systemic** disorders, limb malalignment, ...  
Table 1. Characteristics of selected scaffolds **used** in emerging **cartilage** ... At a second  
**stage**, the graft material is fitted into the **chondral** defect and ...

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### Operative treatment of chondral defects in the hip joint: a ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ 翻译此页

作者: MA Jordan - 2012 - 被引用次数: 16 - 相关文章

2012年7月20日 - **Cartilage damage** in the hip presents a challenge to the surgeon due to its .... The object of this study was to conduct: (1) **systematic review** of clinical .... to 100 % fill of the defect, with **grade 1** or 2 **repair** tissue (normal **cartilage** or mild ... was **used** for open reduction internal fixation of an acetabular **fragment** ...

### Treatment of articular cartilage lesions of the knee

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ 翻译此页

作者: M Falah - 2010 - 被引用次数: 43 - 相关文章

2010年2月18日 - Curl et al., in a **review** of 31,516 knee arthroscopies, reported that 63%