

# Osteochondritis

[View the current Osteochondritis InDepth page on BioPortfolio.com \(PDF\)](#)

(<http://www.bioportfolio.com/indepth/Osteochondritis.html>) - Regularly Updated.

Osteochondritis dissecans is a painful condition within a joint of the body in humans or animals, in which fragments of cartilage or bone have become loose within a joint, leading to pain and inflammation. These fragments are sometimes referred to as "joint mice" due to a squeaking sound sometimes resulting from the joint. Specifically, OCD is a type of osteochondrosis in which a lesion has formed within the cartilage layer itself, giving rise to secondary inflammation. It has a complex etiology, and can be caused by genetic, hormonal, environmental and nutritional factors. In animals, OCD is considered a developmental and metabolic disorder related to cartilage growth and endochondral ossification. Osteochondritis itself signifies the disturbance of the usual growth process of cartilage, and OCD is the term used when this affects joint cartilage causing a fragment to become loose. OCD in animals is "well recognized but poorly understood". OCD can often be treated surgically. ([From the Wikipedia article Osteochondritis.](#))

## Recent Publications on Osteochondritis:



- [Bilateral osteochondritis dissecans of the knees in monozygotic twins: the genetic factor and review of the etiology.](#)  
*Our previous studies showed that basic fibroblast growth factor 2 (FGF2)...*17th November, 2009  
Orthopedic and Sports Division, Meir University Hospital, Kfar-Saba,- Am J Orthop. 2009 Sep;38(9):E152-5.
- [The foot and ankle: MR imaging of uniquely pediatric disorders.](#)  
*MR imaging of the foot and ankle in children poses unique challenges, not...*10th November, 2009  
Division of Pediatric Imaging, Department of Radiology, University of- Radiol Clin North Am. 2009 Nov;47(6):1027-36. ([DOI Direct Link](#))
- [MR imaging of pediatric trauma.](#)  
*Although plain radiography remains the most important and cost-effective...*10th November, 2009  
Division of Pediatric Radiology, Department of Radiology, University of- Radiol Clin North Am. 2009 Nov;47(6):927-38. ([DOI Direct Link](#))
- [Familial bilateral osteochondritis dissecans of the femoral head. A case series.](#)  
*Although plain radiography remains the most important and cost-effective...*4th November, 2009  
Department of Orthopaedic Surgery, University of Connecticut, Connecticut- J Bone Joint Surg Am. 2009 Nov;91(11):2700-7. ([DOI Direct Link](#))
- [Autologous osteochondral mosaicplasty for osteochondritis dissecans of the elbow in teenage athletes.](#)  
*BACKGROUND: Although autologous osteochondral mosaicplasty is widely used...*30th October, 2009  
Department of Orthopaedic Surgery, Hokkaido University School of Medicine,- J Bone Joint Surg Am. 2009 Oct;91(10):2359-66. ([DOI Direct Link](#))
- [Bilateral osteochondral lesions of the talus.](#)  
*BACKGROUND: Osteochondral lesions of the talus (OLT) are relatively...*30th October, 2009

- Southern CA Ortho Institute Orthopaedic Surgery, Van Nuys, CA 91405, USA.- *Foot Ankle Int.* 2009 Aug;30(8):723-7. ([DOI Direct Link](#))
- [Midterm Results of Surgical Treatment for Adult Osteochondritis Dissecans of the Knee.](#)  
*BACKGROUND: Determination of appropriate treatment options for adult...*29th October, 2009  
Rush University Medical Center.- *Am J Sports Med.* 2009 Oct 27. ([DOI Direct Link](#))
  - [Osteochondrosis dissecans of the elbow.](#)  
*This case shows a typical presentation of an osteochondrosis dissecans...*29th October, 2009  
Department of Radiology, University Hospitals Leuven, Leuven, Belgium.- *JBR-BTR.* 2009 Jul-Aug;92(4):207-10.
  - [Arthroscopic technique for fragment fixation using absorbable pins for osteochondritis dissecans of the humeral capitellum: a report of 4 cases.](#)  
*This is the first report to describe a method of arthroscopic...*28th October, 2009  
Department of Bone and Joint Surgery, Ehime University Graduate School of- *Knee Surg Sports Traumatol Arthrosc.* 2009 Oct 27. ([DOI Direct Link](#))
  - [Osteochondritis dissecans of the glenoid: a rare injury secondary to repetitive microtrauma.](#)  
*Osteochondritis dissecans (OCD) is an acquired, potentially reversible...*30th September, 2009  
Department of Orthopedic Surgery, Armed Forces Taoyuan General Hospital,- *J Trauma.* 2009 Sep;67(3):E62-4. ([DOI Direct Link](#))
  - [Histological evaluation of juvenile osteochondritis dissecans of the knee: a case series.](#)  
*Osteochondritis dissecans (OCD) is an acquired, potentially reversible...*18th September, 2009  
Department of Sports Orthopaedics, Osaka Rosai Hospital, 1179-3- *Knee Surg Sports Traumatol Arthrosc.* 2009 Sep 4. ([DOI Direct Link](#))
  - [Histologic findings and possible causes of osteochondritis dissecans of the knee.](#)  
*BACKGROUND: The histologic findings of osteochondritis dissecans of the...*10th September, 2009  
Department of Orthopaedic Surgery, Tohoku University School of Medicine,- *Am J Sports Med.* 2009 Oct;37(10):2003-8. Epub 2009 Sep 8. ([DOI Direct Link](#))
  - [Osteochondritis dissecans of the patella in a XVII century player of the Florentine historic kickball.](#)  
*We report a case of osteochondritis dissecans in the patella of Francesco...*5th September, 2009  
History of Medicine, Department of Anatomy, Histology and Legal Medicine,- *Knee.* 2009 Sep 1. ([DOI Direct Link](#))
  - [Case Report: Fresh-Stored Osteochondral Allograft for Treatment of Osteochondritis Dissecans the Femoral Head.](#)  
*Osteochondral defects of the femoral head are exceedingly rare, with...*4th September, 2009  
Integrated Department of Orthopaedics and Rehabilitation, Walter Reed- *Clin Orthop Relat Res.* 2009 Sep 2. ([DOI Direct Link](#))
  - [Sequential Alterations in Magnetic Resonance Imaging Findings After Autologous Osteochondral Mosaicplasty for Young Athletes With Osteochondritis Dissecans of the Humeral Capitellum.](#)  
*BACKGROUND: The goal of osteochondral mosaicplasty (mosaicplasty) against...*4th September, 2009  
Hokkaido University School of Medicine.- *Am J Sports Med.* 2009 Sep 2. ([DOI Direct Link](#))

## BioNews Results for Osteochondritis

- [Familial Bilateral Osteochondritis Dissecans of the Femoral Head. A Case Series](#)  
*Journal of Bone and Joint Surgery: Nov 2 2009 10:25PM Matching: osteochondritis*
- [Histologic Findings and Possible Causes of Osteochondritis Dissecans of the Knee](#)  
*MDLinx: Oct 14 2009 10:19AM Matching: osteochondritis*





## Osteochondritis Patents:

- 7201728- [Anatomically designed orthopedic knee brace](#)
- 7390498- [Method of forming bone with porous .beta.tricalcium phosphate granules](#)
- 7393857- [Use of 5-HT.sub.3 receptor antagonists for treating musculoskeletal diseases](#)
- 7393934- [Human G-protein chemokine receptor \(CCR5\) HDGMR10](#)
- 7410947- [Osteogenic devices and methods of use thereof for repair of endochondral bone and osteochondral defects](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7425549- [Drug for the treatment of osteonecrosis and for the management of patients at risk of developing osteonecrosis](#)
- 7425622- [Antibodies against C3a receptor](#)
- 7427284- [Fixation technology](#)
- 7432240- [Fumaric acid amides](#)
- 7459531- [50 Human secreted proteins](#)
- 7381800- [Antibodies to HBIMF63 polypeptide](#)
- 7375192- [Antibodies that specifically bind to chemokine beta-4](#)
- 7368531- [Human secreted proteins](#)
- 7201775- [Stabilizing device for intervertebral disc, and methods thereof](#)
- 7217294- [Acellular matrix implants for treatment of articular cartilage, bone or osteochondral defects and injuries and method for use thereof](#)
- 7220406- [Method for promoting bone formation](#)
- 7220558- [Cartilage-derived morphogenetic proteins](#)
- 7238660- [Albumin fusion proteins](#)
- 7238667- [Albumin fusion proteins](#)
- 7247714- [Protection against oxidative stress and inflammation by a cytoprotective response element](#)
- 7357941- [Method of delivering a bioactive agent with porous .beta.-tricalcium phosphate granules](#)
- 7365153- [Biologically active peptide and agent containing the same](#)
- 7368527- [HADDE71 polypeptides](#)
- 7470240- [Pressure pulse/shock wave therapy methods and an apparatus for conducting the therapeutic methods](#)
- 7482013- [Albumin fusion proteins](#)
- 7553329- [Stabilized intervertebral disc barrier](#)
- 7553330- [Methods of reinforcing an intervertebral disc annulus](#)
- 7563282- [Method of supporting nucleus pulposus](#)
- 7563596- [Method of modulating tissue growth using Frzb protein](#)
- 7578836- [Orthopedic screw and method](#)
- 7582604- [Template-fixed peptidomimetics with antibacterial activity](#)
- 7591820- [Retrograde osteochondral autograft transfer system](#)
- 7592010- [Albumin fusion proteins](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7612050- [Drug for the treatment of osteonecrosis and for the management of patients at risk of developing osteonecrosis](#)
- 7550569- [Antibodies that specifically bind to GMAD](#)
- 7524333- [Method of anchoring an implant in an intervertebral disc](#)
- 7521424- [Albumin fusion proteins](#)

- 7485310- [Use of CXCL6 chemokine in the prevention or repair of cartilage defects](#)
- 7500978- [Method for delivering and positioning implants in the intervertebral disc environment](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7504105- [Treatment using antibodies to cytokine receptor common gamma chain like](#)
- 7507243- [Devices and method for augmenting a vertebral disc](#)
- 7507413- [Albumin fusion proteins](#)
- 7507414- [Albumin fusion proteins](#)
- 7510558- [System and method for joint resurface repair](#)
- 7513911- [Method of implanting dynamically stable spinal implant](#)
- 7514079- [Antibodies that specifically bind to neurokinin B](#)
- 7618462- [System and method for joint resurface repair](#)

\*\*\*

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

