



Clinical Evidence Summary BML Percutaneous Technique

The treatment of BMLs, represents a modern technique to solve a very painful pathology very often confused with other clinical conditions. If not properly treated, it potentially may drive the patient to a joint replacement in a very short time.

Below is a non-exhaustive list of published references featuring the AMSCs – bone marrow tissue derived in different surgical fields of application.

Surgical Treatment of Osteoarthritis Pain Related to Subchondral Bone Defects or Bone Marrow Lesions: Subchondroplasty

Steven B. Cohen, MD and Peter F. Sharkey, MD

Techniques in Knee Surgery Volume 11, Number 4, December 2012

Subchondral Bone Treatment

Geoffrey D. Abrams, MD; Joshua D. Harris, MD; and Brian J. Cole, MD, MBA

Cole BJ, Harris JD, eds.

Biologic Knee Reconstruction: A Surgeon's Guide (pp 83-89).

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Subchondroplasty for Treating Bone Marrow Lesions

Steven Brad Cohen, MD Peter F. Sharkey, MD

DOI <http://dx.doi.org/10.1055/s-0035-1568988>.

ISSN 1538-8506.

Assessment of the injection behavior of commercially available bone BSMs for Subchondroplasty® procedures.

Dinely A. Colon, Byung Jo Victor Yoon, Thomas Anthony Russell, Frank P. Cammisa, Celeste Abjornson

Colon DA, et al, Assessment of the injection behavior of commercially available bone BSMs for Subchondroplasty® procedures, Knee (2015), <http://dx.doi.org/10.1016/j.knee.2015.06.017>

Early knee osteoarthritis

Pettine K, Suzuki R, Sand T, Murphy M,

Int Orthop. 2016 Jan;40(1):135-40. doi: 10.1007/s00264-015-2886-4. Epub 2015 Jul 10

Bone marrow edema and results after cartilage repair

Maurilio Marcacci, Luca Andriolo, Elizaveta Kon, Giuseppe Filardo

doi: 10.3978/j.issn.2305-5839.2015.05.06

View this article at: <http://dx.doi.org/10.3978/j.issn.2305-5839.2015.05.06>.

Subchondroplasty of the ankle: A novel technique

by Jason R. Miller, DPM, FACFAS; Karl W. Dunn, DPM, AACFAS

ISSN 1941-6806 doi: 10.3827/faoj.2015.0801.0007.

Subchondroplasty: What the Radiologist Needs to Know

Christoph A. Agten, Daniel J. Kaplan, Laith M. Jazrawi Christopher J. Burke

AJR 2016; 207:1-6.

DOI:10.2214/AJR.16.16521.05



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Bone marrow lesions and subchondral bone pathology of the knee

Elizaveta Kon · Mario Ronga · Giuseppe Filardo · Jack Farr · Henning Madry · Giuseppe Milano · Luca Andriolo · Nogah Shabshin
Knee Surg Sports Traumatol Arthrosc
DOI 10.1007/s00167-016-4113-2

MRI findings of subchondroplasty of the knee: a two-case report

Mika T. Nevalainen, Peter F. Sharkey, Steven B. Cohen, Johannes B. Roedl, Adam C. Zoga, William B. Morrison
Pfl: S0883-5403(16)00018-8
DOI: 10.1016/j.arth.2015.12.051
Reference: YARTH 54893

Bone Marrow Lesion: Image, Clinical Presentation, and Treatment

Marcelo Batista Bonadio, Alipio Gomes Ormond Filho, Camilo Partezani Helito, Xavier MGRG Stump and Marco Kawamura Demange
Magnetic Resonance Insights Volume 10: 1–6
DOI: 10.1177/1178623X17703382

Subchondroplasty for treating bone marrow lesions in the knee – initial experience

Marcelo Batista Bonadio, Pedro Nogueira Giglio, Camilo Partezani Helito, José Ricardo Pécora, Gilberto Luis Camanho, Marco Kawamura Demange

<http://dx.doi.org/10.1016/j.rboe.2017.04.003>

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Subchondral Bone Marrow Lesions Associated With Knee Osteoarthritis

Peter F. Sharkey, MD, Steven B. Cohen, MD, Charles F. Leinberry, MD, and Javad Parvizi, MD
www.amjorthopedics.com September 2012 413

Expanding Applications of the Subchondroplasty Procedure for the Treatment of Bone Marrow Lesions Observed on Magnetic Resonance Imaging

Jack Farr II, MD, and Steven B. Cohen, MD
1060-1872/13/\$-see front matter © 2013 Elsevier Inc. All rights reserved.
doi:10.1016/j.arth.2013.03.006

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Geoffrey D. Abrams, MD; Joshua D. Harris, MD; and Brian J. Cole, MD, MBA
Cole BJ, Harris JD, eds.
Biologic Knee Reconstruction: A Surgeon's Guide (pp 83-89).
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Treatment of bone marrow lesions (bone marrow edema)

Erik F Eriksen
Citation: *BoneKEy Reports 4, Article number: 755 (2015) | doi:10.1038/bonekey.2015.124* © 2015 International Bone & Mineral Society All rights reserved 2047-6396/15

Bone Marrow Edema Chronic Bone Marrow Lesions of the Knee and the Association with Osteoarthritis

Jason A. Collins, M.D., Bryan G. Beutel, M.D., Eric Strauss, M.D., Thomas Youm, M.D., and Laith Jazrawi, M.D.
Bulletin of the Hospital for Joint Diseases 2016;74(1):24-36



High Kellgren-Lawrence Grade and Bone Marrow Lesions Predict Worsening Rates of Radiographic Joint Space Narrowing; The SEKOIA Study

Mark H. Edwards, Camille Parsons, Olivier Bruyere, Forence Petit Dop, Roland Chapurlat, Frank W. Roemer, Ali Guermazi, Souhil Zaim, Harry Genant, Jean-Yves Reginster, Elaine M. Dennison, Cyrus Cooper and and the SEKOIA Study Group

DOI: 10.3899/jrheum.150053

<http://www.jrheum.org/content/early/2016/01/02/jrheum.150053>



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