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Retrospective Study

Modified Technique of Advanced Core Decompression for Treatment of Femoral Head Osteonecrosis

Lin L *et al.* Modified ACD for femoral head osteonecrosis

Lin Lin, Yan Jiao, Xian-Gou Luo, Jin-Zhu Zhang, He-Liang Yin, Li Ma, Bo-Ran Chen, Derek M Kelly, Wei-Kuan Gu, Hong Chen

Abstract

BACKGROUND

Osteonecrosis of the femoral head (ONFH) is a destructive condition most

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Publish Year: 2017

The efficacy and safety of core decompression for the ...
<https://josr-online.biomedcentral.com/articles/10.1186/s13018-019-1359-7> ▾

Sep 11, 2019 · **Core decompression** (CD) is an important method for the **treatment** of **osteonecrosis** of the **femoral head** (ONFH). Few articles investigate the influence of **core decompression** on outcomes of ONFH. This study was carried out to observe the safety and effectiveness of **core decompression** in the **treatment** of ONFH.

Author: Kun-chi Hua, Xiong-gang Yang, Jiang-ta... Publish Year: 2019

Results of advanced core decompression in patients with ...
<https://josr-online.biomedcentral.com/articles/10.1186/s13018-020-01643-4> ▾

Mar 31, 2020 · **Core decompression** is a **common surgical technique to treat osteonecrosis** of the **femoral head**. The aim of this study is to evaluate the effect of the parameters "age" and "sex" on the outcome of this type of **treatment**. A prospective cohort study was performed.

A current review of core decompression in the treatment of ...
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4596206>

Jun 05, 2015 · In the **treatment** of **osteonecrosis** of the **femoral head** (ONFH), **core decompression** is used in the earliest precollapse stages of disease in an attempt to delay and/or prevent the need for total hip arthroplasty (THA). The most ideal lesion treated with this procedure is a precollapse and small (<15 % of **femoral head** or Kerboul angle <200°) [1–4].

Cited by: 19 Author: Todd P. Pierce, Julio J. Jauregui, Randa K. ...
Publish Year: 2015

Advanced core decompression, a new treatment option of ...
<https://onlinelibrary.wiley.com/doi/abs/10.1002/term.1481>

Advanced core decompression, a new **treatment option** of **avascular necrosis** of the **femoral head** – a first follow-up. Stefan Landgraeber. Department of **Orthopaedics**, University of Duisburg-Essen, Germany. Correspondence to: S. Landgraeber, Department of **Orthopaedics**, University of Duisburg-Essen, Hufelandstrasse 55, 45147 Essen, Germany.

Cited by: 18 Author: Stefan Landgraeber, Jens M. Theysohn, Ti...
Publish Year: 2013

Osteonecrosis of the Femoral Head | SpringerLink
<https://link.springer.com/book/10.1007/978-3-319-50664-7> ▾

Comprised exclusively of clinical cases involving **osteonecrosis** of the **femoral head** (ONFH), this concise, practical casebook will provide orthopedic surgeons with the best real-world strategies to pro

Osteonecrosis of the Femoral Head - OrthopaedicsOne
<https://www.orthopaedicsone.com/display/Review/...> ▾

Operative Treatment - Femoral Head-Sparing Techniques Core Decompression. The technique entails directing a k-wire into the necrotic area under fluoroscopic guidance, which is then over-drilled with a drill and trephine. Patient is kept on protective weight bearing for approximately six weeks to reduce the incidence of **proximal femoral fracture**.

A 3D printed porous titanium alloy rod with biogenic ...
<https://www.sciencedirect.com/science/article/pii/S1751616120302927>

There is no ideal implant for mechanical strut on early-stage **osteonecrosis** of the **femoral head** (ONFH) after **core decompression**. In this study, a biog...

Hip Osteonecrosis - Recon - Orthobullets
<https://www.orthobullets.com/recon/5006/hip-osteonecrosis> ▾

risk of **femoral head collapse** with **osteonecrosis** is based on the **modified Kerboul combined necrotic angle** . calculated by adding the arc of the **femoral head necrosis** on a mid-sagittal and **mid-coro nal MR** image. Low-risk group = combined necrotic angle less than 190° Moderate-risk group = combined necrotic angle between 190° and 240°

User rating: 4.3/5

[PDF] Osteonecrosis Femoral Head Treatment by Core ...
<https://cdn.intechopen.com/pdfs/33461/InTech...>

Osteonecrosis Femoral Head Treatment by Core Decompression and ILIAC CREST-TFL Muscle Pedicle Grafting 109 effectively. **Core decompression** only gave good clinical results initially(Ficat & Arlet) 13, 14, but the long term results were poor. 11 The use of nonvascularised tibial (Phemister) or fibular bone graft (Boettcher & Bonfiglio) 15 is useful only in the early stages but in later stages ...

Results of advanced core decompression in patients with ...
<https://link.springer.com/content/pdf/10.1186/s13018-020-01643-4.pdf>

Results of **advanced core decompression** in patients with **osteonecrosis** of the **femoral head** depending on age and sex—a prospective cohort study Sebastian Serong1*, Marcel Haversath2, Tjark Tassemeier2, Florian Dittrich1 and Stefan Landgraeber1 Abstract Background: **Core decompression** is a common surgical **technique** to treat **osteonecrosis** of the ...

Including results for modified technique of advanced core decompression for treatment of **femoral** head osteonecrosis.

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Cited by: 7**Author:** Stefan Landgraeber, Sebastian Warwas, Ti...**Publish Year:** 2017

[Images of Modified technique of advanced Core Decompression f...](#)

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Core decompression(CD)

- Commonly performed and cost effective surgical procedure for early ONFH.
- Mechanism- decreases intraosseous pressure in the femoral head and increases blood flow to the necrotic area, thus augmenting neobone formation.





Modified technique of advanced core decompression fo



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