

**Name of Journal:** *World Journal of Orthopedics*

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**Manuscript Type:** SYSTEMATIC REVIEWS

**Proximal fibular osteotomy- Systematic review on its outcomes**

Ashraf M *et al.* Review on proximal fibular osteotomy

#### Abstract

##### BACKGROUND

The morbidity and burden of knee osteoarthritis (OA) affecting the millions of lives worldwide has made the researchers to be in constant pursuit in finding the ideal treatment for knee OA. There has been a paradigm shift in the surgical treatment of OA, ever since the initial description of Volkmann's tibial osteotomy. This review focusses on one such recent procedure, the Proximal fibular osteotomy (PFO) for medial compartment knee osteoarthritis. The review encompasses the history, evidence, risk factors, outcomes and technical considerations of proximal fibular osteotomy.

##### AIM

to understand the evidence and its techniques, and whether this could be an alternative solution to the problem of knee osteoarthritis in the developing world

##### METHODS

#### Match Overview

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## The Ludloff osteotomy: a review of current concepts

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3764296>

Aug 17, 2013 · The Ludloff **osteotomy** is a **technique** option to address hallux valgus in patients with a moderately to significantly increased first-second intermetatarsal angle. The Ludloff **osteotomy** is an oblique **osteotomy** of the first metatarsal extending dorsal-**proximal** to plantar-distal when viewed in the sagittal plane.

**Cited by:** 9

**Author:** Deborah A. Castaneda, Mark S. Myerso...

**Publish Year:** 2013

## Cureus | Proximal Fibular Osteotomy in the Management of ...

<https://www.cureus.com/articles/29825-proximal-fibular-osteotomy-in-the-management-of...> ▼

Introduction: This study was conducted to evaluate the efficacy of **proximal fibular osteotomy** (PFO) in terms of pain relief, and improvement in function in medial compartment osteoarthritis (OA) of the knee joint. Materials and methods: This case series study was conducted at the Shaheed Mohtarma Benazir Bhutto Medical College Lyari and United Medical and Dental College of Karachi.

## Is high tibial osteotomy better than proximal fibula ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7004574>

Jan 24, 2020 · At present, the specific pathogenesis of KOA is still unclear, and treatment methods are diverse. Western medicine mainly treats the disease with nonsteroidal antiinflammatory drugs and arthroscopic debridement, high tibial **osteotomy** (HTO), **proximal fibular osteotomy** (PFO), unicondylar knee arthroplasty, and total knee arthroplasty.

## A Critical Review of Proximal Fibular Osteotomy for Knee ...

[https://www.researchgate.net/publication/335676642\\_A\\_Critical\\_Review\\_of\\_Proximal...](https://www.researchgate.net/publication/335676642_A_Critical_Review_of_Proximal...)

Based on these data, general recommendations for **fibular osteotomy** include (a) placement of the osteotomy as distally along the shaft as is feasible, commensurate with the proximal neck of the





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## Is high tibial osteotomy better than proximal fibula ...

<https://pubmed.ncbi.nlm.nih.gov/31977905>

Background: Knee osteoarthritis (KOA) is a common disease in the elderly, which seriously reduces the quality of life of patients and increases the social burden. **proximal fibula osteotomy** (PFO) and high tibial **osteotomy** (HTO) are effective methods to treat KOA. However, it is not entirely clear which method has the advantage. Therefore, we evaluated the efficacy and safety of HTO and PFO in ...

## Proximal fibular osteotomy in the treatment of medial ...

<https://link.springer.com/article/10.1186/s43019-019-0016-0> ▼

Dec 18, 2019 · Prognostic factors for a better **outcome** after **proximal fibular osteotomy**. Liu et al. in their study determined what factors affected the **outcome** after PFO. They concluded that patients with a near-normal HKA angle showed better **outcomes** in joint function, which might be because PFO could only partially correct the varus deformity of the tibial plateau.

**Cited by:** 1

**Author:** Saseendar Shanmugasundaram, Srinivas B...

**Publish Year:** 2019

## [PDF] Proximal fibular osteotomy in the treatment of medial ...

<https://link.springer.com/content/pdf/10.1186/s43019-019-0016-0.pdf>

**Proximal fibular osteotomy** has been proposed as a simple and inexpensive alternative to **high-tibial osteotomy** and unicondylar knee arthroplasty and may be useful for low-income populations that cannot afford expensive treatment methods. However, there is no consensus existing regarding the mechanism by which it acts nor the **outcome** of this procedure.

## Is high tibial osteotomy better than proximal fibula ...

<https://pubmed.ncbi.nlm.nih.gov/31977905>





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### [Chemical composition, antioxidant and hepatoprotective ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6397638>

Background. Plants belonging to the genus **Terminalia** such as **Terminalia bellirica** and **Terminalia sericea** are used traditionally to treat several diseases and health disorders. Up to this date, the roots of **Terminalia sericea** and the **fruits of Terminalia bellirica** are the mostly studied plant parts. The phytochemical composition and the biological activities of the leaves of both species are ...

**Cited by:** 6**Author:** Mansour Sobeh, Mona F. Mahmoud, Reh...**Publish Year:** 2019

### [Investigation on protective effect of Terminalia bellirica ...](#)

<https://www.sciencedirect.com/science/article/pii/S037887411932851X>

The **fruit** contains tannin,  $\beta$ -sitosterol, gallic **acid**, **ellagic acid**, ethyl gallate, chebulic **acid** etc. in various proportions (Sharma et al., 2010). A survey of literature revealed that no scientific study on the cardio-protective **effect** has been reported on T. **bellirica**.

**Author:** Rahul Chaudhary, Richa Singh, Rajee...**Publish Year:** 2020

### [Terminalia bellirica Extract Inhibits Low-Density ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4931541>

1. Introduction. **Terminalia bellirica** is a deciduous tree that is common in Southeast Asia. In traditional Indian Ayurvedic medicine, the **fruit of Terminalia bellirica** is extensively used as a folk medicine for the treatments of diabetes, hypertension, and rheumatism []. The major polyphenolic components of the **fruit** are reported to be gallic **acid**, **ellagic acid**, and chebulagic **acid** [].

**Cited by:** 8**Author:** Miori Tanaka, Yoshimi Kishimoto, Emi Sai...**Publish Year:** 2016

### [Terminalia bellirica \(Gaertn.\) roxb. \(Bahera\) in health ...](#)

<https://www.sciencedirect.com/science/article/pii/S0944711320301094>

**Terminalia bellirica** (Gaertn.) Roxb. widely grows in Indian subcontinent, including Pakistan, Nepal, Bangladesh, Sri Lanka, as well as South-East Asia. In India, it is popularly known as "Bahera" in Hindi, while in English and Sanskrit it is known as "Beleric Myrobalan" and "Bibhitaki", respectively.

**Author:** Ashutosh Gupta, Ramesh Kumar, Piy...**Publish Year:** 2020