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*Retrospective Study*

**Clinical study on the surgical treatment of atypical Lisfranc joint complex injury**

Li X *et al.* Study on treatment of Lisfranc injury

Xu Li, Le-Sheng Jia, Ang Li, Xin Xie, Jun Cui, Guo-Liang Li

**Abstract**

BACKGROUND

Lisfranc injuries had not been paid much attention to by orthopedic doctors in the past,

### Match Overview

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| 1 | <b>Crossref</b> 33 words<br>Christopher J. Pearce. "Surgical anatomy of the midfoot", <i>Knee Surgery Sports Traumatology Arthroscopy</i> , 03/10/2010 | 1%  |
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### [Tarsometatarsal \(Lisfranc\) joint complex injuries - UpToDate](https://www.uptodate.com/contents/tarsometatarsal-lisfranc-joint-complex-injuries)

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An understanding of **midfoot anatomy** is required for the **assessment of tarsometatarsal (TMT) joint complex injuries** and for determining which injuries require **surgical referral**. **Osseous components** of the **TMT joint complex** include the five metatarsals, the three **cuneiforms**, and the cuboid ( figure 1 and figure 2 ).

### [Fixation In-situ vs Removal for Midfoot Lisfranc Injuries ...](https://clinicaltrials.gov/ct2/show/NCT03694288)

<https://clinicaltrials.gov/ct2/show/NCT03694288> ▼

Oct 03, 2018 · To date, there has not been a prospective **randomized study evaluating** the efficacy of **implant removal** compared with **implant retention** for **Lisfranc injuries**. The aim of this **study** is to directly compare patient-reported and radiographic outcomes, in order to provide robust evidence for optimal **post-operative treatment regimens** regarding **implant removal** or retention for operatively **treated Lisfranc injuries**.

### [Surgical outcome of chronic Lisfranc injury without ...](https://www.sciencedirect.com/science/article/pii/S0020138320303156)

<https://www.sciencedirect.com/science/article/pii/S0020138320303156>

**Surgical treatment.** Time between **injury** and **surgical treatment** had a pooled mean time of 5.3 months (range 2–20) and was reported in all but two **studies** which did not describe a specific time [21,30]. For the eight **studies** that included patient age, the ...

### [Return to Sport after Surgical Treatment of Lisfranc ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6884016)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6884016>

Nov 25, 2019 · Other **studies** have demonstrated the adverse effects that this **injury** can have on an **athlete's** career. Chilvers et al.<sup>14</sup> described **surgical treatment** of a **Lisfranc fracture dislocation injury** in five female gymnasts, of which only one was able to return to full competition. The other athletes, retired from gymnastics, were lost to follow-up, or graduated from **college**.

**Author:** Bryan G. Vopat, Matthew L. Vopat, P... **Publish Year:** 2019





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## [Evaluation of the surgical treatment of Lisfranc injuries]

<https://pubmed.ncbi.nlm.nih.gov/21438334>

Objective: To study the clinical results of surgical treatment for Lisfranc fracture-dislocation.

Methods: From January 2003 to September 2009, 57 patients with Lisfranc injuries were treated by surgical operation included 41 males and 16 females with an average age of 33.8 years old ranging from 20 to 64 years. According to Myerson's classification, there were 31 cases of middle column injuries...

Author: Yong-ping Ruan, Yan-zhao Zhu, Rong-... Publish Year: 2011

## Return to Sport after Surgical Treatment of Lisfranc ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6884016>

Nov 25, 2019 · During the study period, 11 patients who had a ligamentous Lisfranc injury treated with surgical repair were identified as athletes, of which 91% (10/11) were available for at least one year of follow-up with an average follow up of 36.5 (range, 14 – 60) months. The one patient that was not available for follow-up was excluded from all analysis.

Author: Bryan G. Vopat, Matthew L. Vopat, Pi... Publish Year: 2019

## In Brief: Lisfranc Fracture Dislocations

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3111796>

Sep 28, 2010 · Surgical treatment of Lisfranc injuries has varied, however, current recommendations emphasize screw fixation over smooth K-wire fixation for the medial and middle column. Typically, screw fixation between the medial cuneiform and the second metatarsal, to recreate the stability of the Lisfranc ligament, is accomplished.

Cited by: 19 Author: John Scolaro, Jaimo Ahn, Samir Mehta  
Publish Year: 2011

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What is the mechanism of injury leading to a Lisfranc injury?



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## [Lisfranc Complex Injuries | Request PDF](#)

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**Surgical stabilization of the Lisfranc joint** is most commonly achieved with either **open reduction** and **internal fixation** or **primary arthrodesis** of the **associated joints**.

## [Lisfranc Injury: Surgery, Treatment, & Recovery Time](#)

<https://iwalk-free.com/injury-resource-center/lisfranc-injury> ▾

A **Lisfranc injury** , also known as a midfoot **injury**, happens when the ligaments or bones in the middle

## Lisfranc injury

A Lisfranc injury, also known as Lisfranc fracture, is an injury of the foot in which one or more of the metatarsal bones are displaced from the tarsus. The injury is named after Jacques Lisfranc de St. Martin, a French surgeon and gynecologist who noticed this fracture pattern amongst cavalry men, in 1815, after the War of the Sixth Coalition.

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