

## Conference Abstract

DAY 1 15<sup>th</sup> September 2023 (Friday)

ORAL 1

2.00-3.30 pm

Scientific Session 8

**An Insight Towards Lateral Malleolar Crest - Surgical Point of View: An Anatomical Study**

Jyothi S.R

Department of Anatomy, Chikkaballapur Institute of Medical Sciences, Chikkaballapura

Email: jyothisr39@gmail.com

**Background:** Fibula is the slenderest lateral bone of the leg. Lateral malleolus forms bony mortice for the ankle joint. Ankle is one of the most commonly injured joints. During CT scan of posterior malleolar fracture, a prominent crest on lateral malleolus was observed.

**Aim:** The focus on, the study of anatomy of Lateral Malleolar Crest (LMC) is in view of its clinical importance in fractured posterior malleolus of the ankle. This clinically important structure is only briefly mentioned by few authors without an official term. Hence study was carried out to know in detail about LMC.

**Materials & Methods:** The study was carried out in Chikkaballapur Institute of Medical Sciences, Chikkaballapura. 100 dry fibulae collected from Department of Anatomy and 1 st MBBS students, were analyzed. The following parameters were measured using Vernier Calipers.

- (1) Length of fibula (F),
- (2) Total length of LMC (LMC)
- (3) Length of part of examined crest from superior border of Articular Facet of Lateral Malleolus (AFLM) to its most proximal intersection with midline of Fibula(A)
- (4) Height of the medial triangular rough surface(B)
- (5) (A/F) - A/F ratio

**Results:** Results of these different parameters will be discussed on the day of presentation.

**Conclusion:** Lateral malleolar crest is an important structure on lateral malleolus. The knowledge of its anatomy is essential for placement of syndesmotomic screws or/and the fibular plate.

**Key words:** Fibula, Lateral Malleolar Crest, Syndesmotomic screws.