

A Rare Fracture That Ottawa Ankle Rules
Are Insufficient: Isolated Posterior Malleolus
Fracture

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• < Bulent KARSLIOGLU MD >

My disclosure is in the
Final AOFAS Mobile App.

I have no potential conflicts with
this presentation.

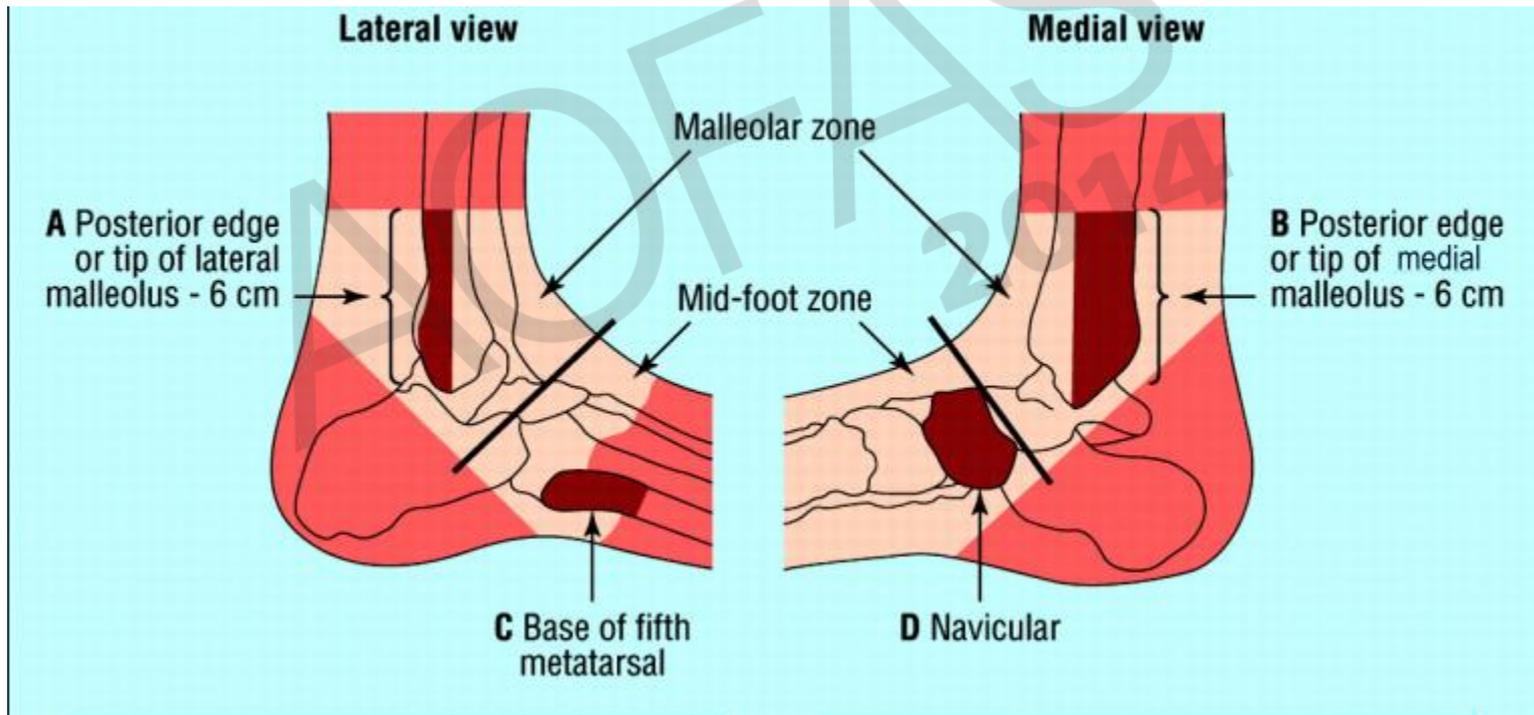
- One of the most frequently injured joint during sports activities is the ankle joint.
- The most common injuries are ankle ligament injuries but ankle fractures are also relatively common.

- Isolated fracture of the posterior malleolus is rare
- When the diagnosis is missed, chronic ankle problems may occur.

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- A 23 year- old male patient admitted to our emergency department with the complaint of ankle pain after fall
- Ottawa ankle rules(OAR) for need for xray applied.
- OAR was negative.

- OAR was negative



- Radiographic examination was planned because of the pain that wasn't incompatible with clinical examination.
- A fracture line at posterior malleolus observed.
- As it contains less than 25% of the joint surface, conservative treatment planned and below-knee cast is applied.



- Due to different mechanism of occurrence it is hard to diagnose isolated posterior malleolus fracture with using Ottawa ankle rules..

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- For this reason, when clinical manifestation is incompatible with radiologic appearance, diagnose of isolated posterior malleolus fracture should be kept in mind

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