

MEDIAL MENISCAL ROOT TEARS: TRAUMATIC OR DEGENERATIVE AETIOLOGY?

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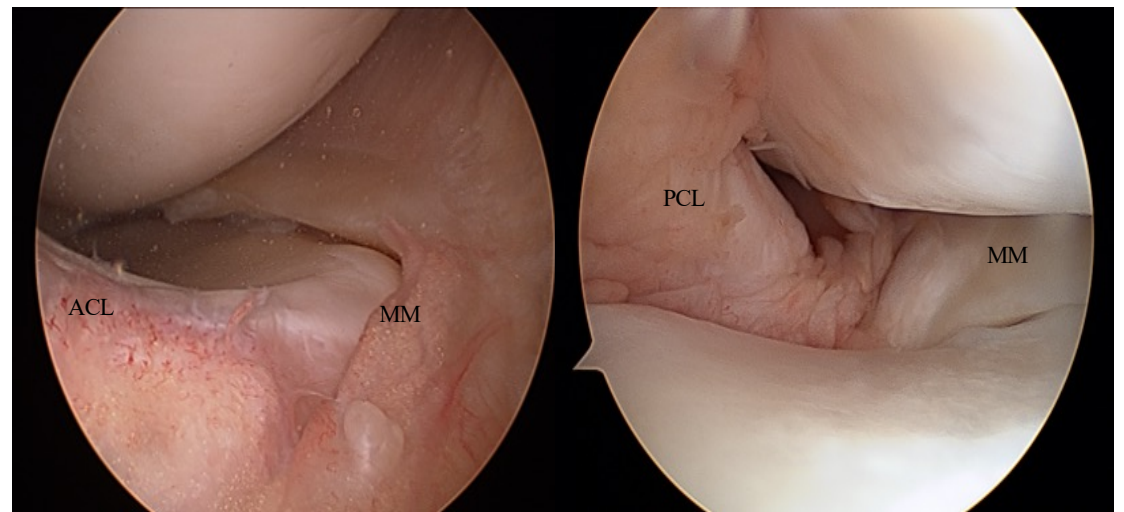
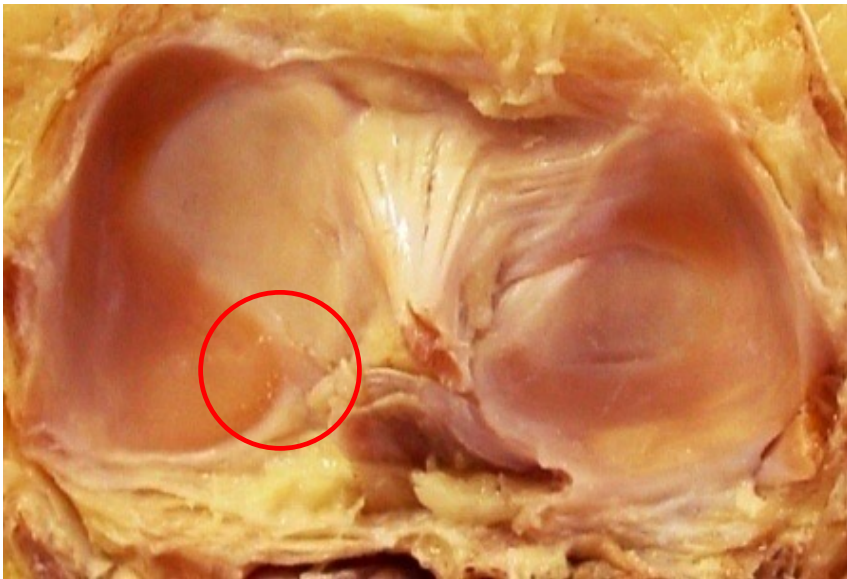
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Anatomy



Diagnosis: 2 Histories, 2 different atmospheres

Traumatic

Degenerative

Diagnosis: 2 Histories, 2 different atmospheres

Traumatic

- Real trauma
- +/- ACL
- Young
- Injury

Degenerative

- « POP »
- +/- Aged patients
- No injury
- OA

Diagnosis: 2 Histories, 2 different atmospheres

Traumatic

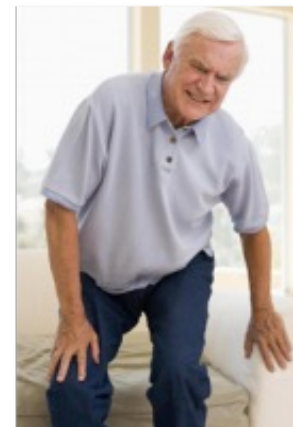
- Real trauma
- +/- ACL
- Young
- Injury



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Degenerative

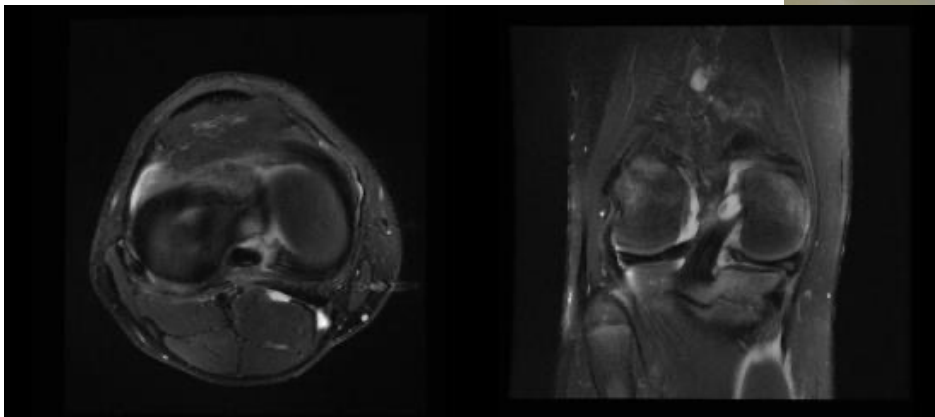
- « POP »
- +/- old patients
- No injury
- OA



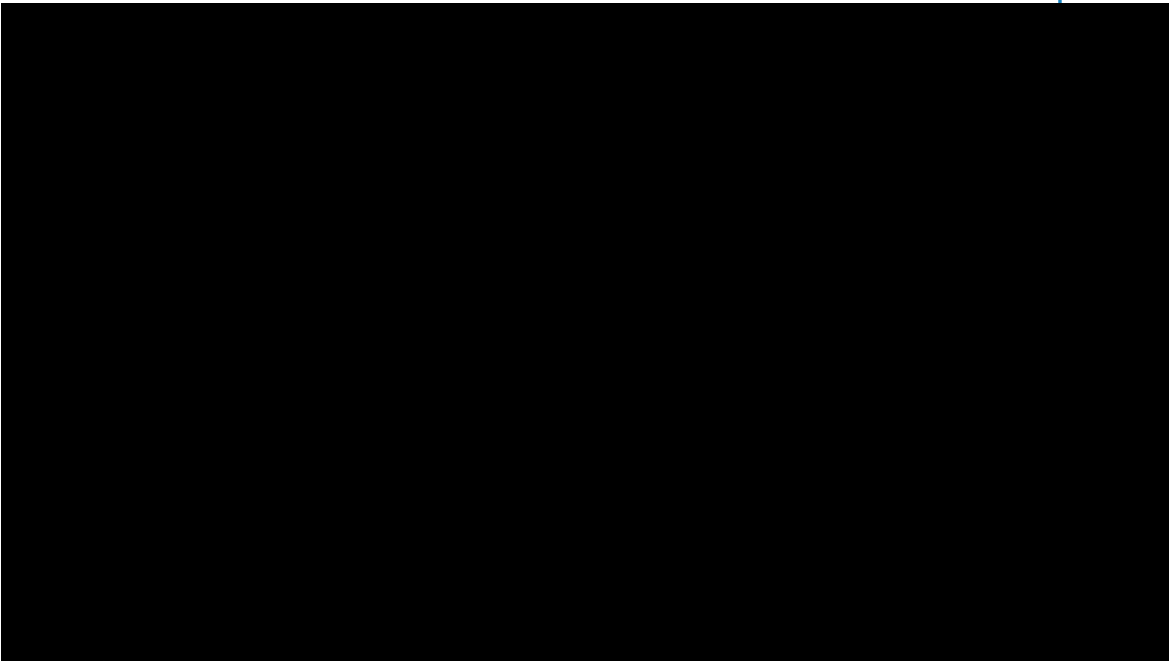
Diagnosis: History

Traumatic

- Real trauma
- +/- ACL
- Young
- Injury



Diagnosis: History



Degenerative

- « POP », often sudden onset
- +/- old patients
- « No » injury
- OA ++
- Overuse

Diagnosis: Clinical examination

Knee Surg Sports Traumatol Arthrosc (2011) 19:2072–2075
DOI 10.1007/s00167-011-1550-9

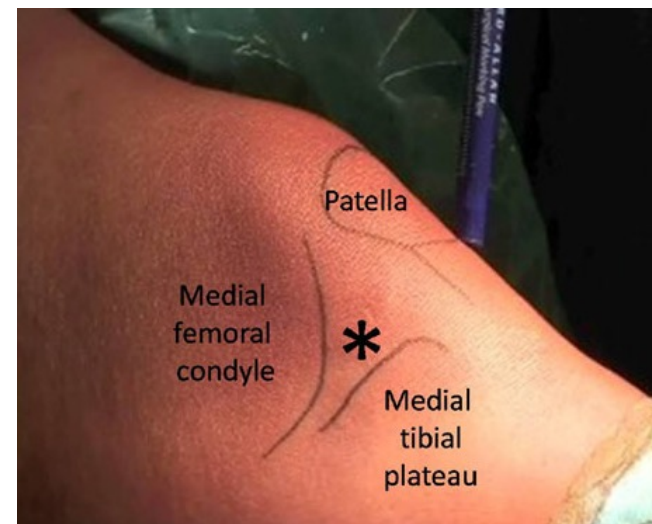
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A clinical sign to detect root avulsions of the posterior horn of the medial meniscus

Romain Seil · Klaus Dück · Dietrich Pape

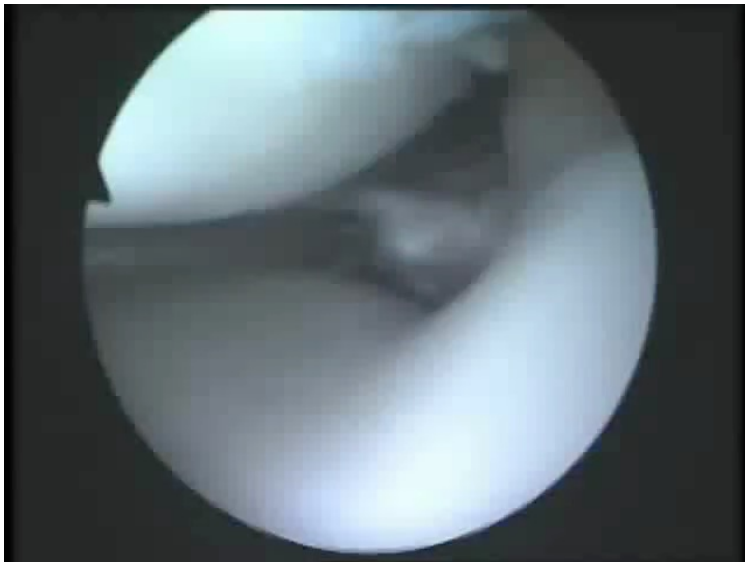


- Poor
- Posteromedial Knee pain

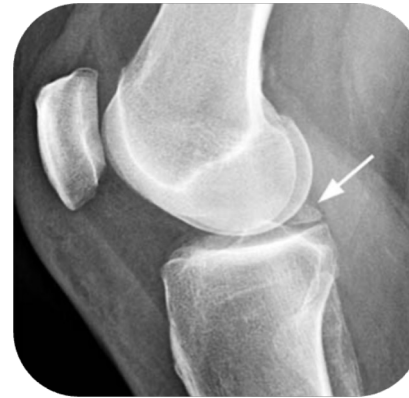


If traumatic: Radiographs: Root avulsion fracture?

- Rare entity
- Often misdiagnosed
- Children++
- ACL



Courtesy R. Seil



Knee Surg Sports Traumatol Arthrosc (2014) 22:1511–1516
DOI 10.1007/s00167-013-2518-8

KNEE

The difficult diagnosis of cartilaginous tibial eminence fractures in young children

Franck Chotel · Romain Seil · Philippe Greiner ·
Marc-mourad Chaker · Jérôme Berard ·
Sébastien Raux

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Case Report

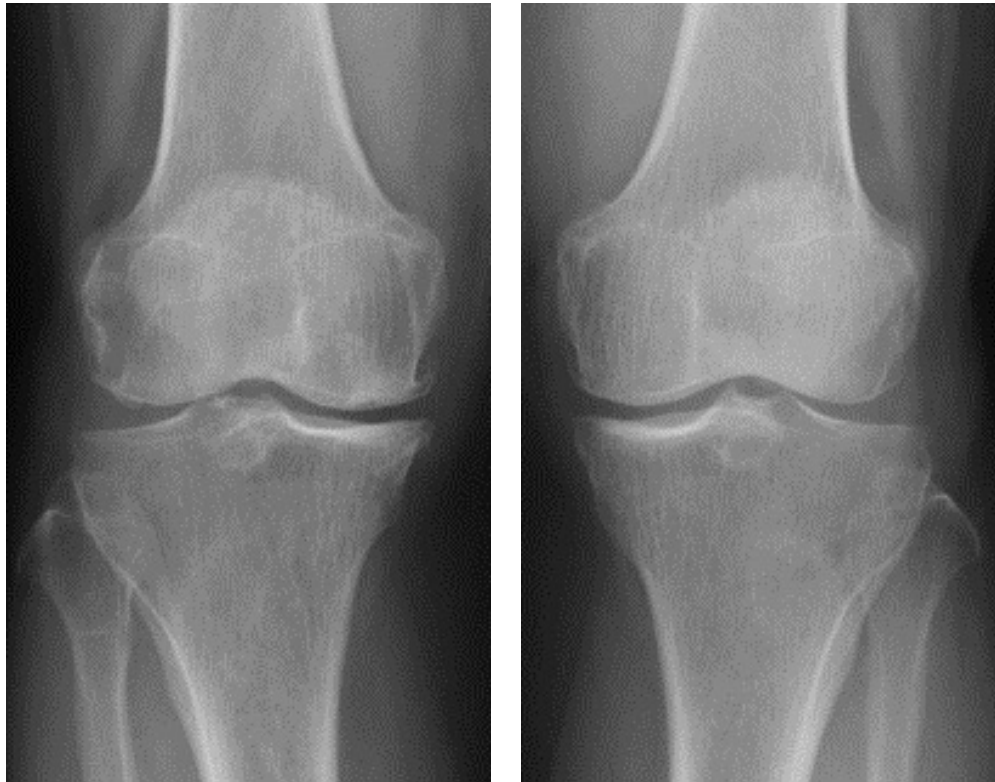
The Meniscal Ossicle: The Consequence of a Meniscal Avulsion

Eugene E. Berg, M.D.



Degenerative atmosphere: Radiographs!

- OA?



Diagnosis: Ultrasound (extrusion)

Knee Surgery, Sports Traumatology, Arthroscopy
<https://doi.org/10.1007/s00167-018-5341-4>

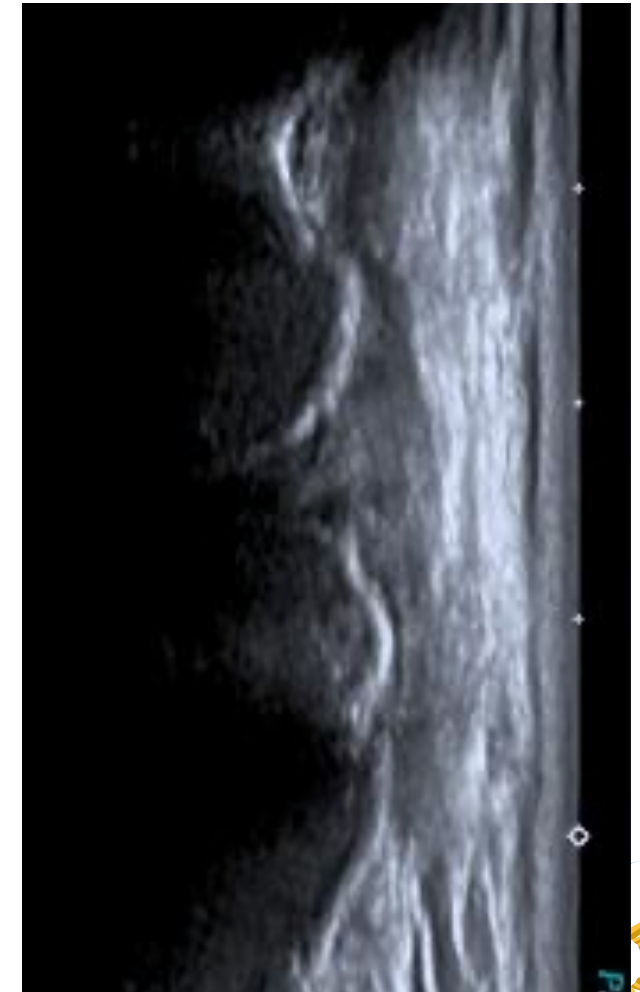
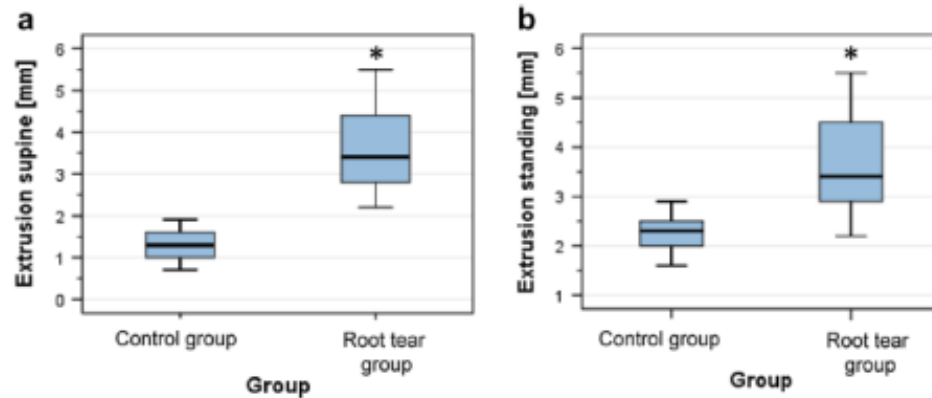
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No dynamic extrusion of the medial meniscus in ultrasound examination in patients with confirmed root tear lesion

Katrin Karpinski¹ · Theresa Diemeier² · Lukas Willinger² · Andreas B. Imhoff² · Andrea Achtnich² · Wolf Petersen¹

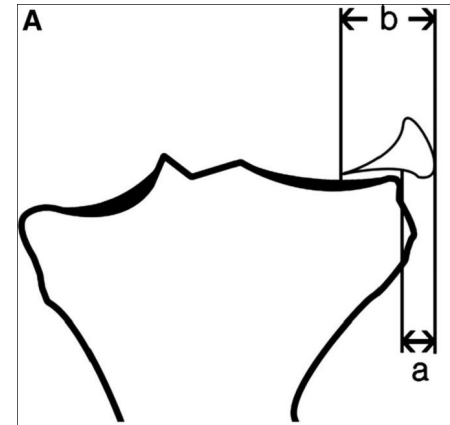
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Definitions

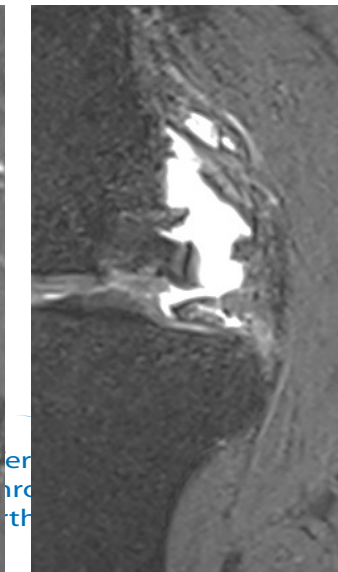
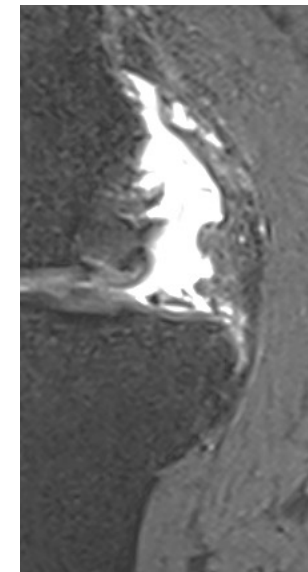
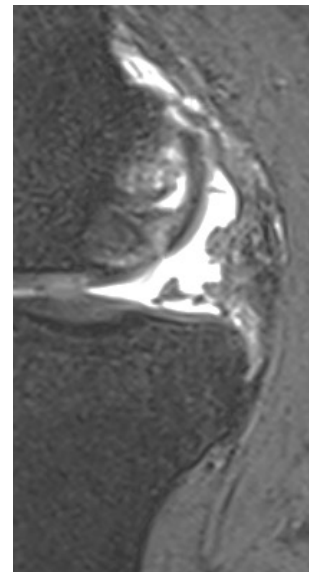
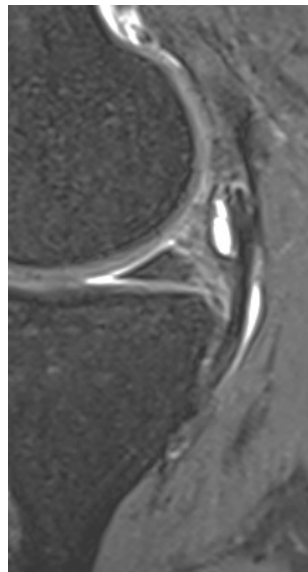
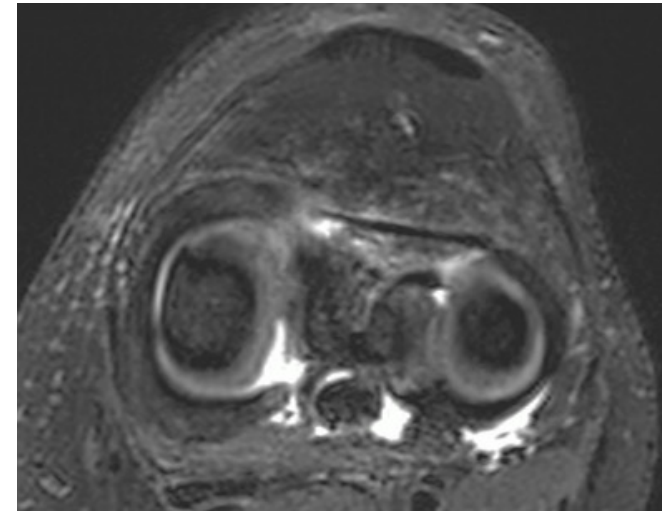
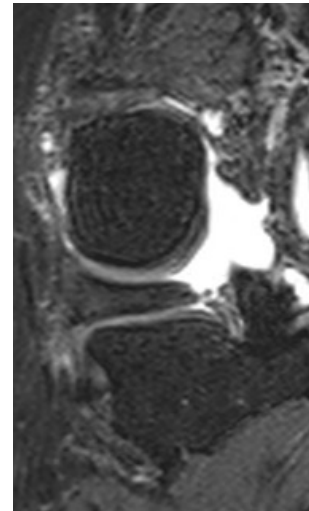
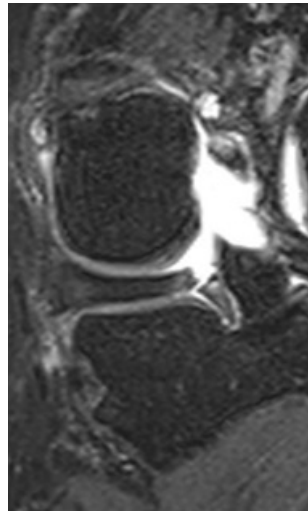
- MM 3mm
- ML 4mm

- Ultrasound

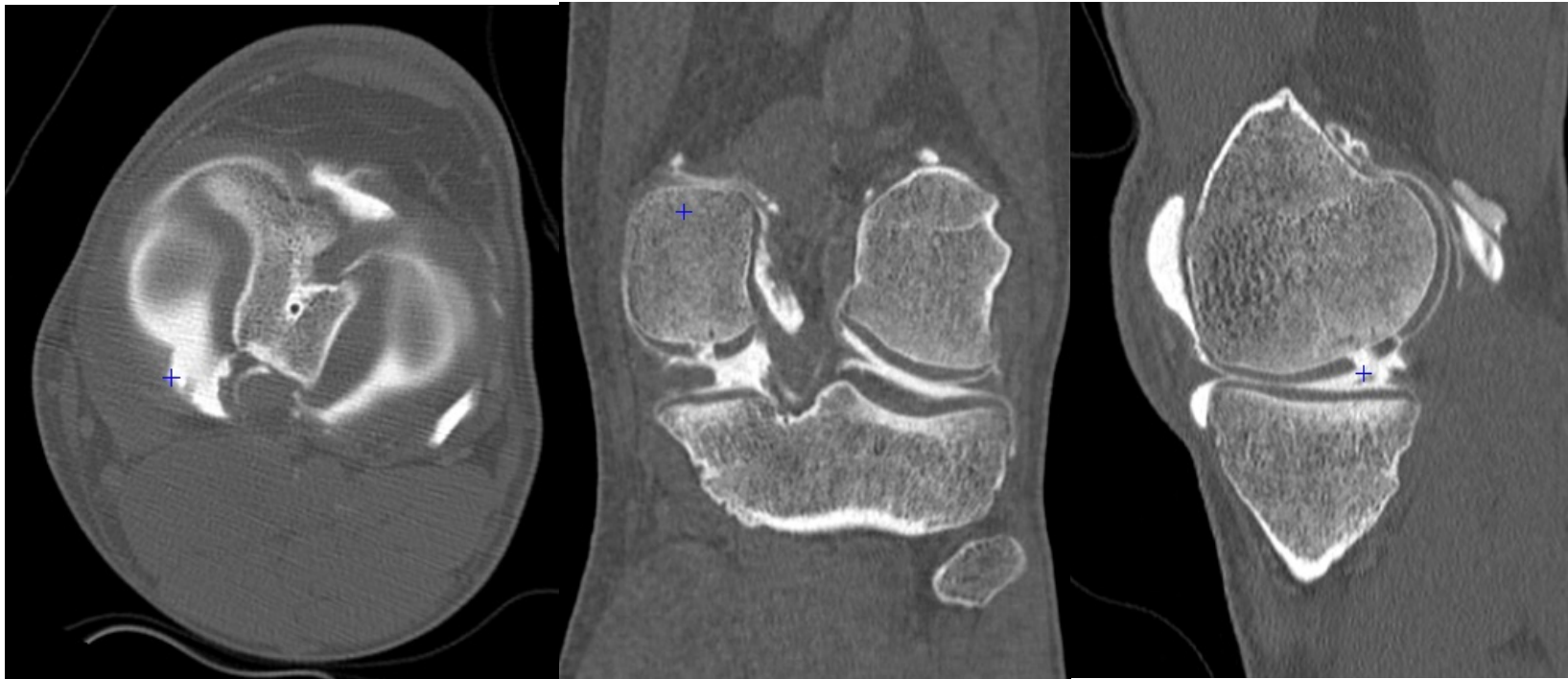


Diagnosis: MRI: 3 signs to look for

- Root lesion
- Ghost sign
- Extrusion



Diagnosis: Arthro CT if doubt



Conclusion: root lesions

- Different lesions
- Don't miss them
- May lead to different treatments!

