Advanced Knee Surgery 2025

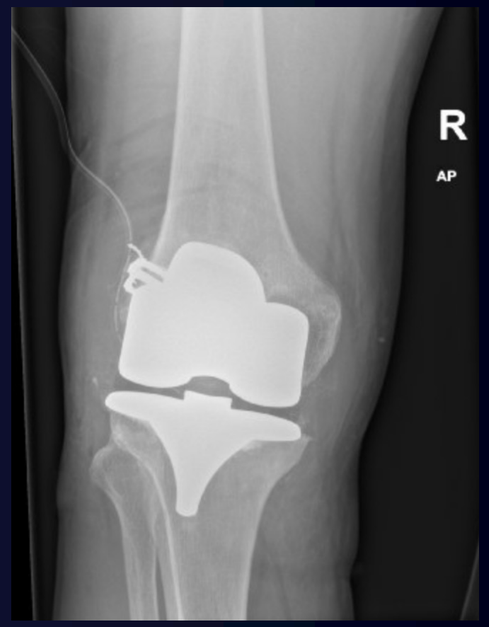
Painful TKA case discussion

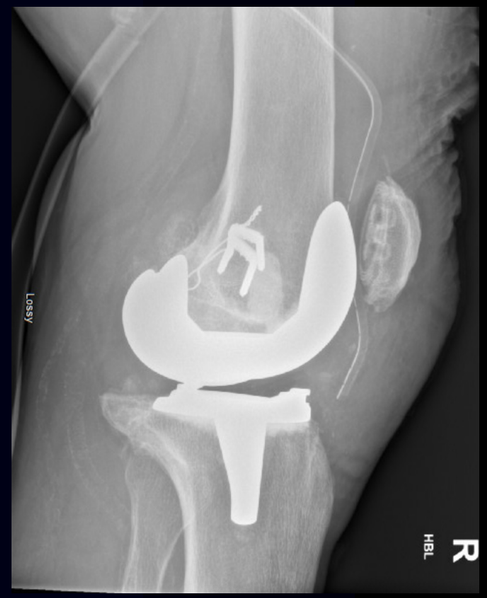
Sam Oussedik BSc MBBS FRCS(Tr&Orth)

Consultant Orthopaedic Surgeon & Clinical Lead, UCLH
Hon. Assoc. Prof., UCL

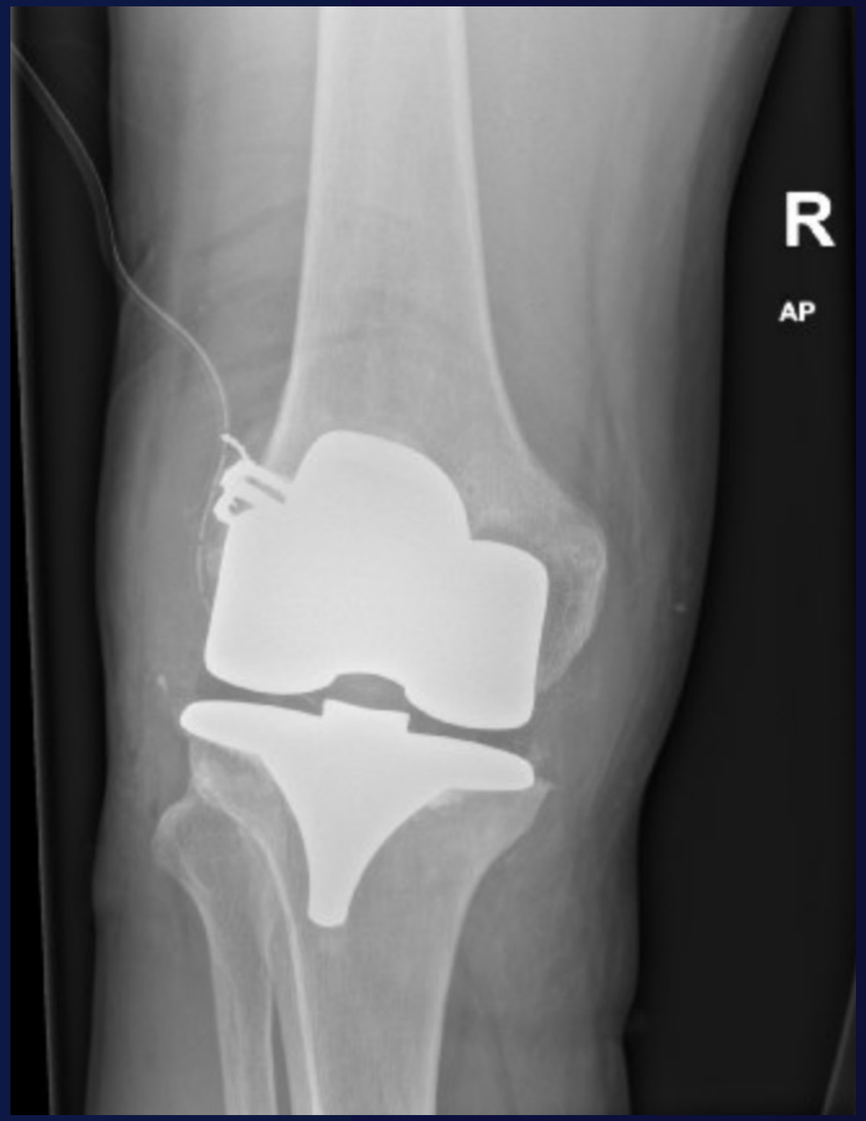
Case 1

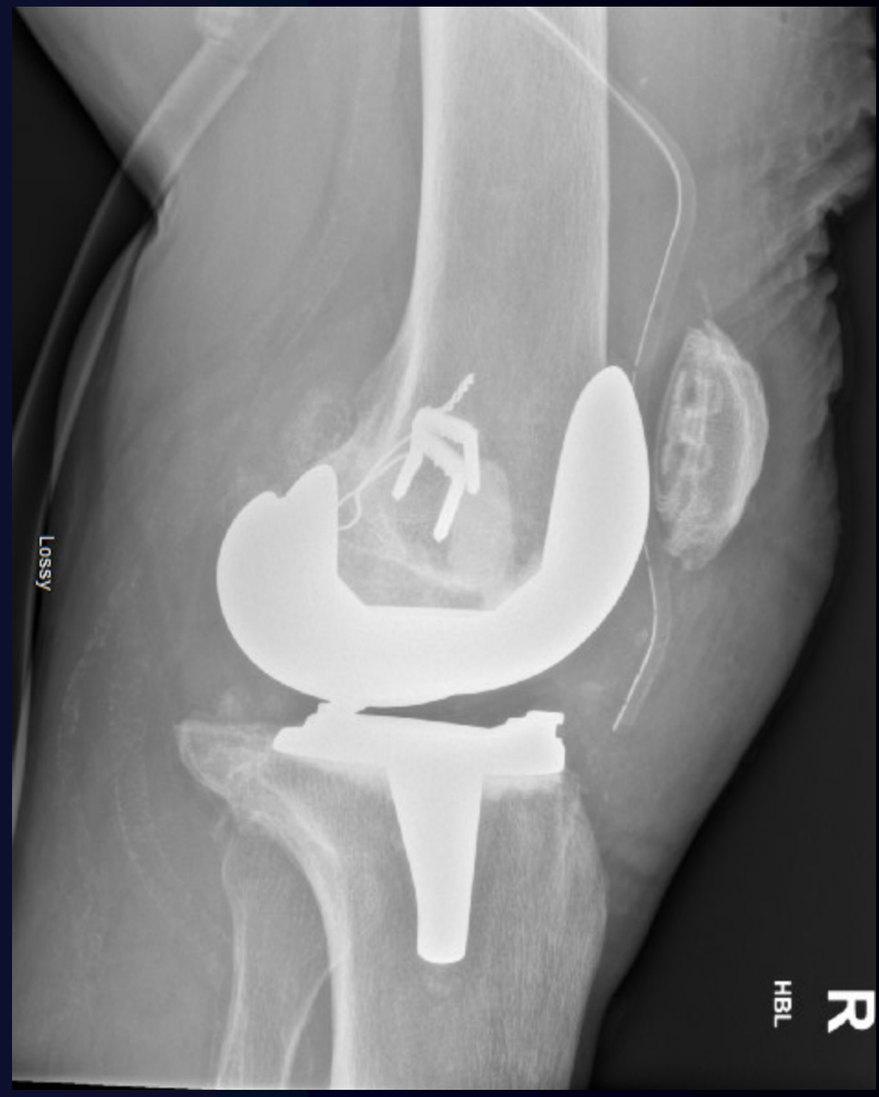
- 54 year old personal trainer
- Previous ACL recon 90s
- TKR 2018
- Presents in 2019 with recurrent effusions
- No pain, continues to jog





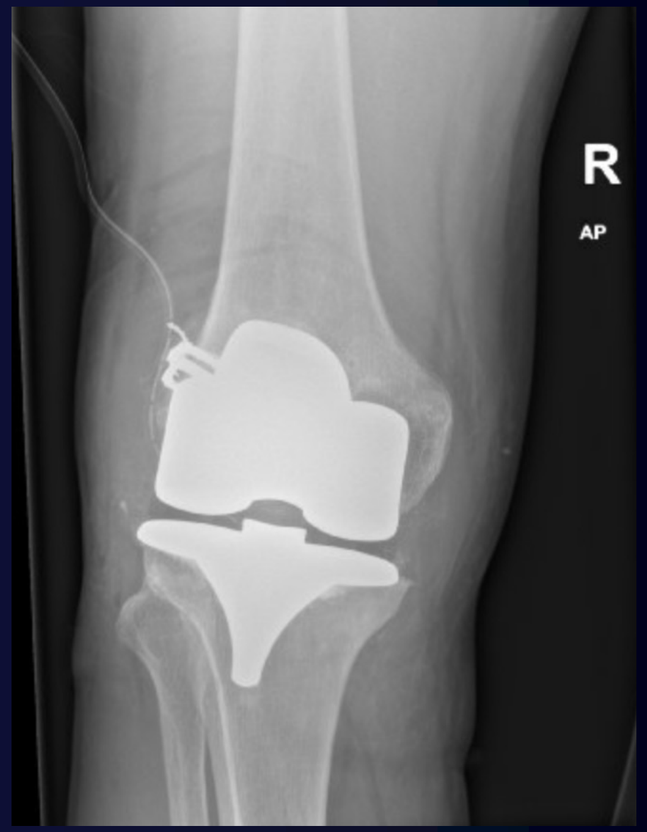
Case 1

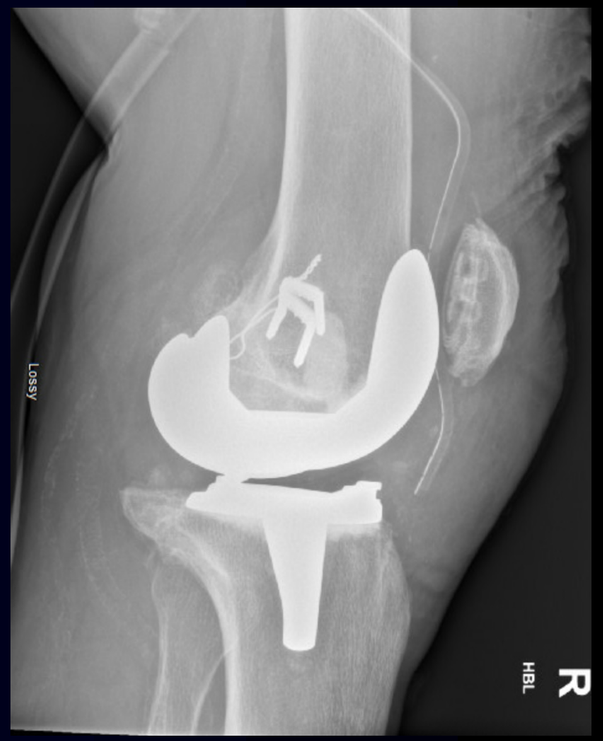




Case 1

- Next steps?
- Investigations?
- Straight to revision??





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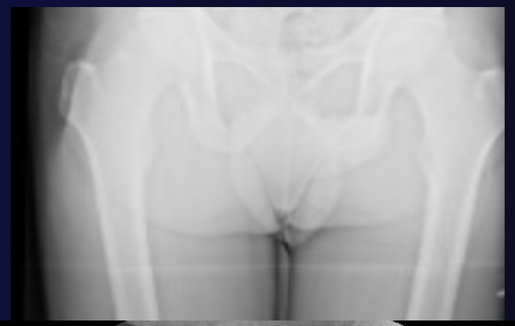

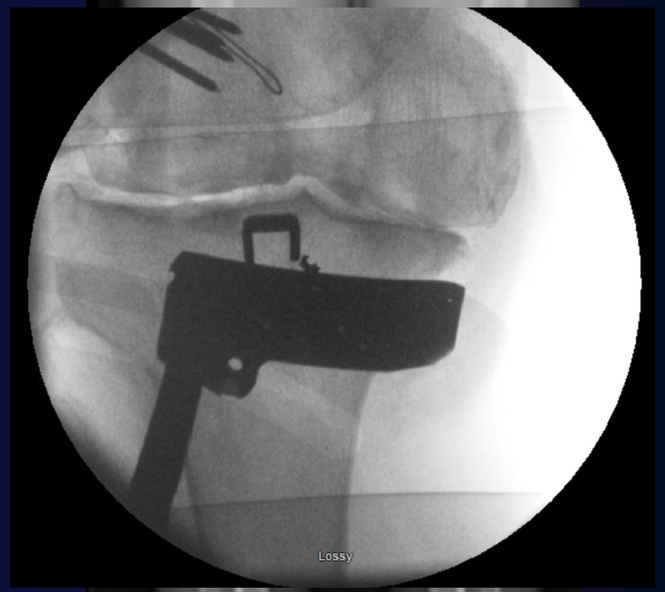

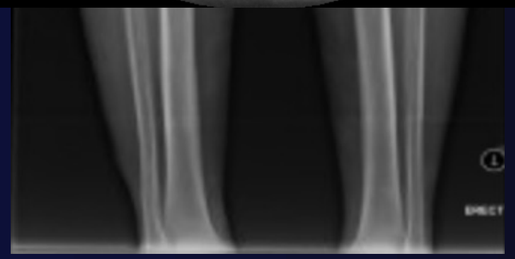

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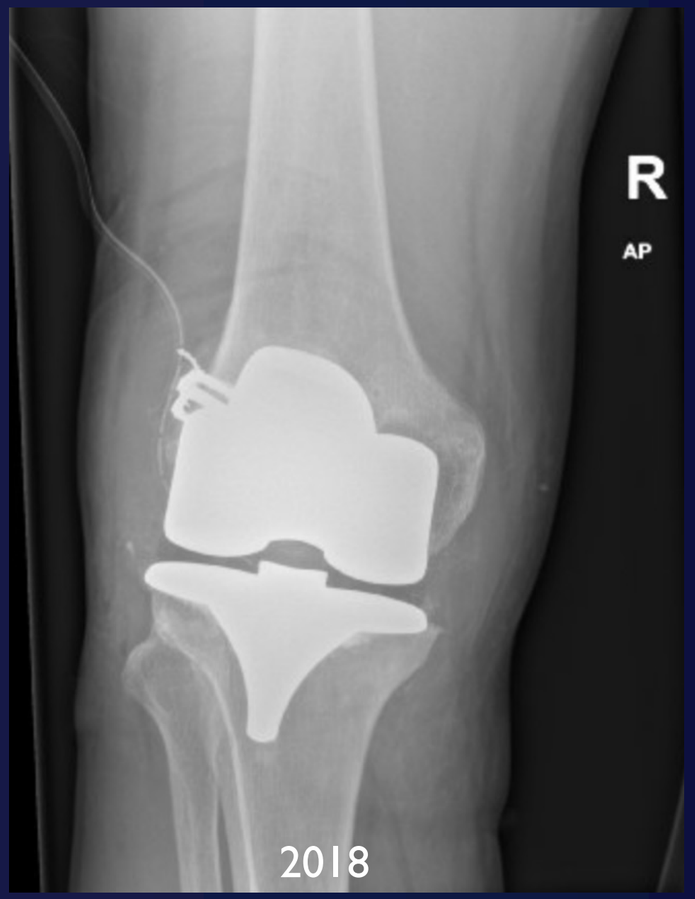
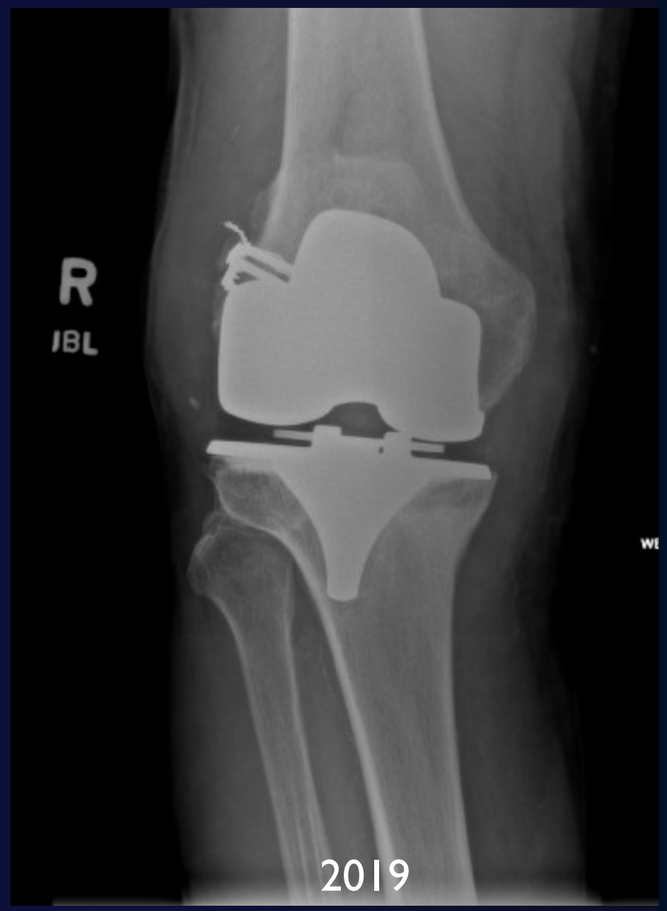
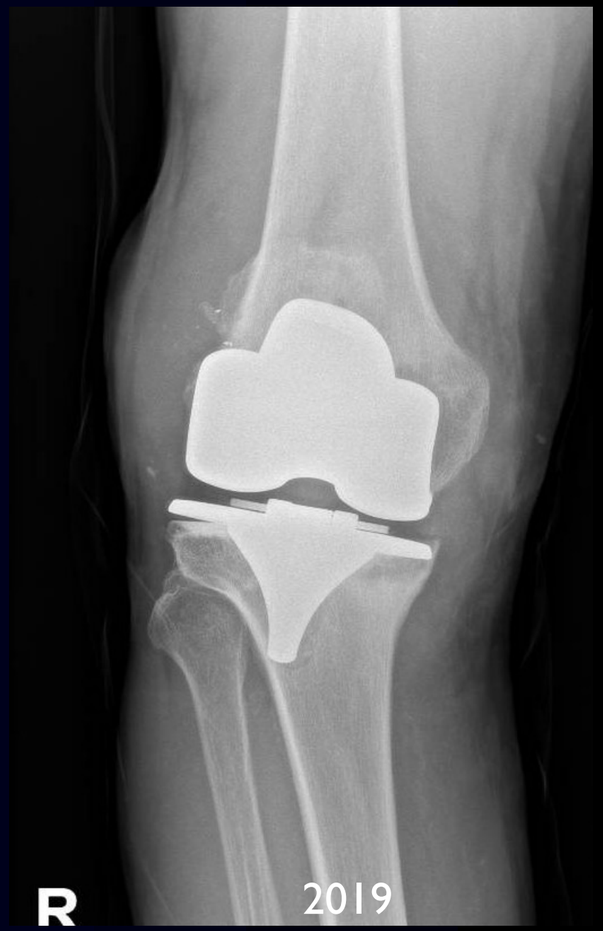


2018



2019



2019

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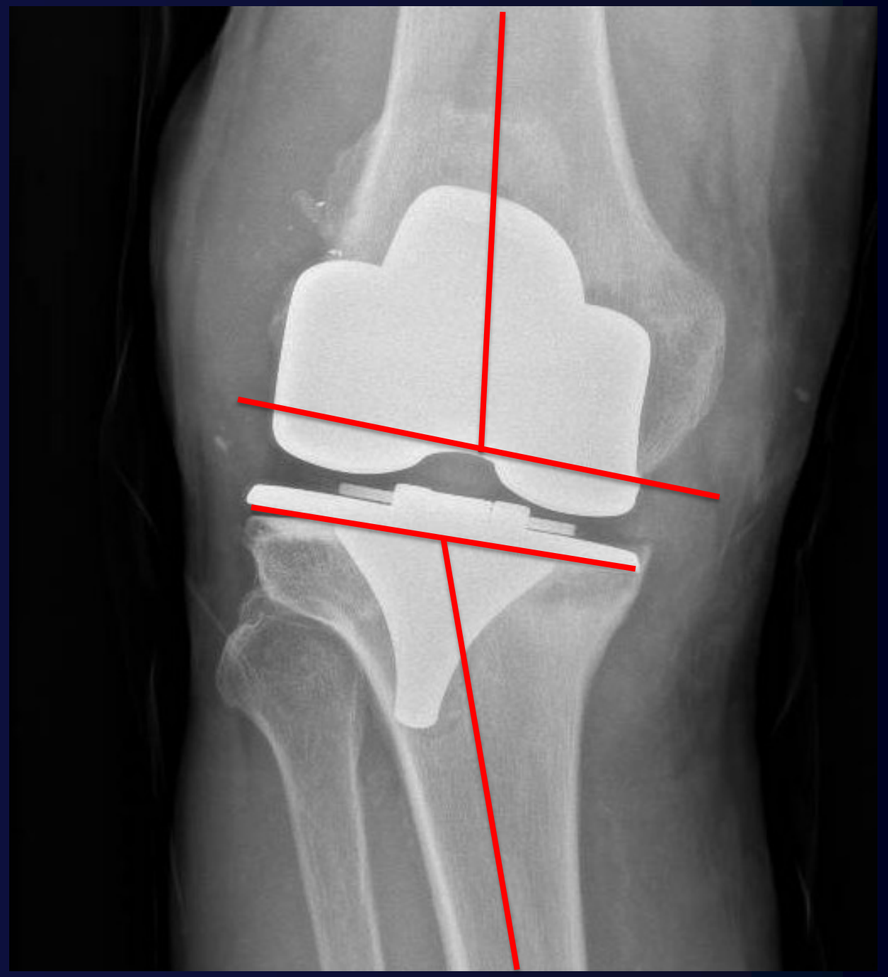

2019

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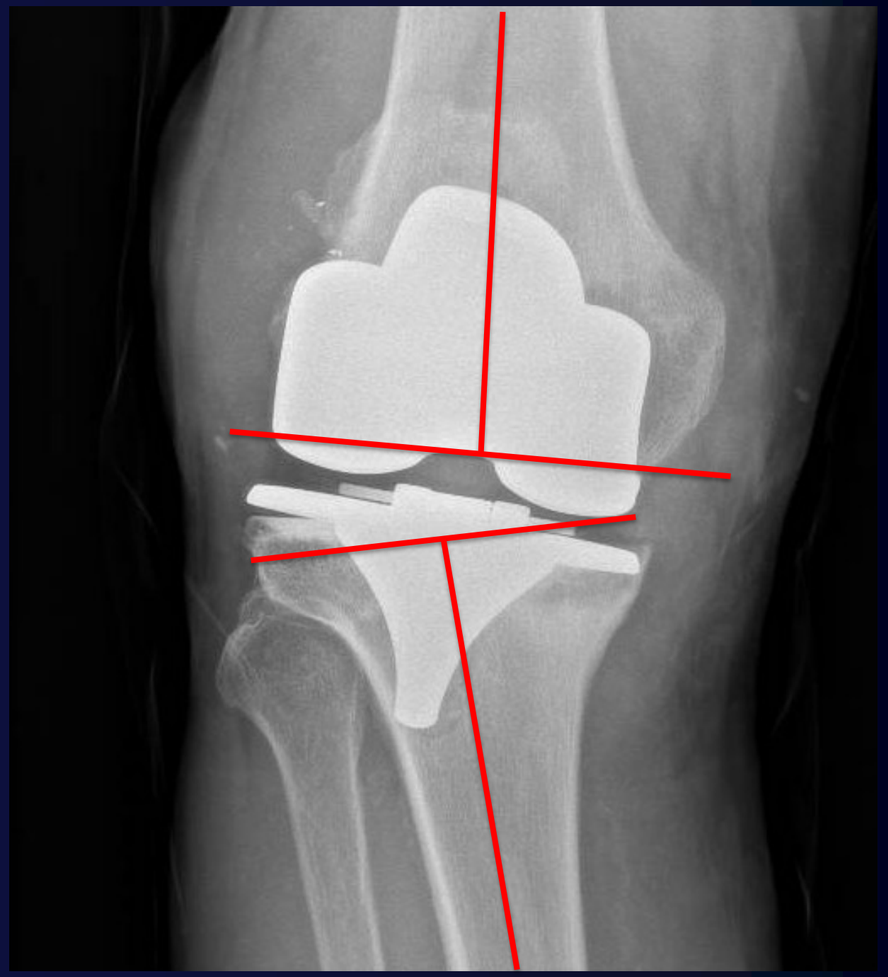

2019

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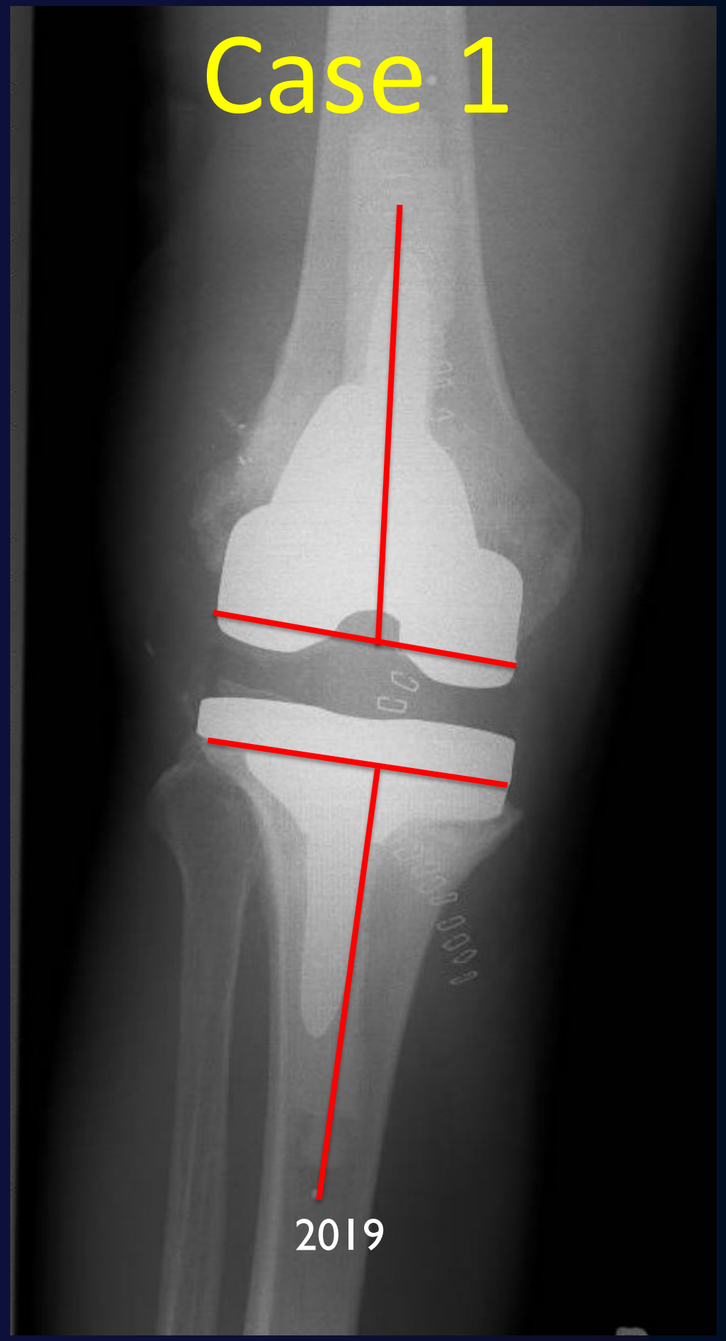
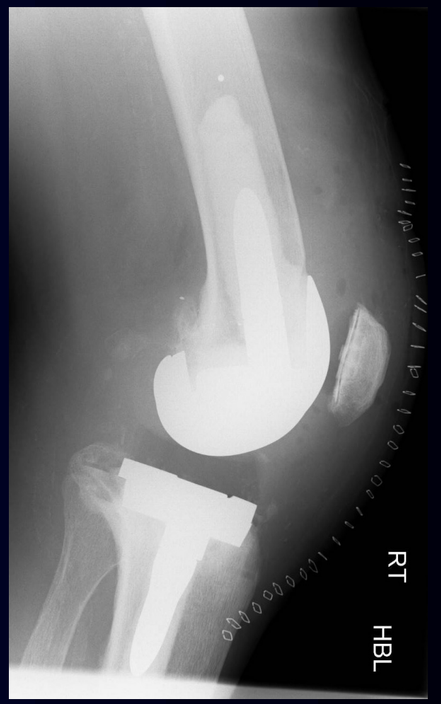
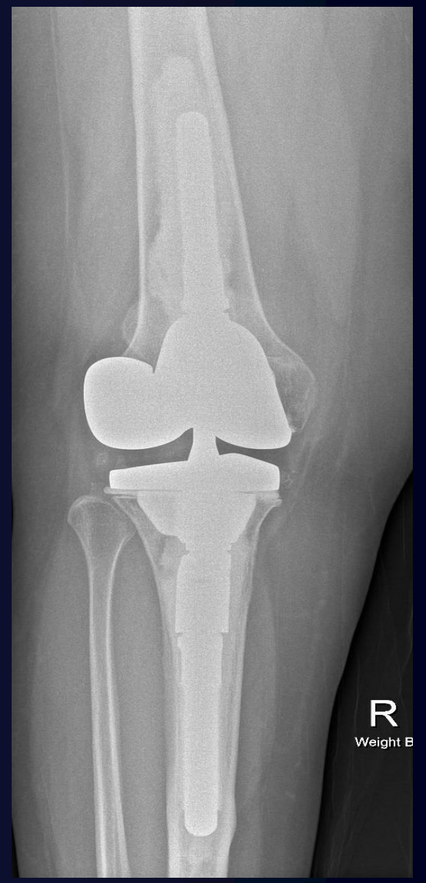
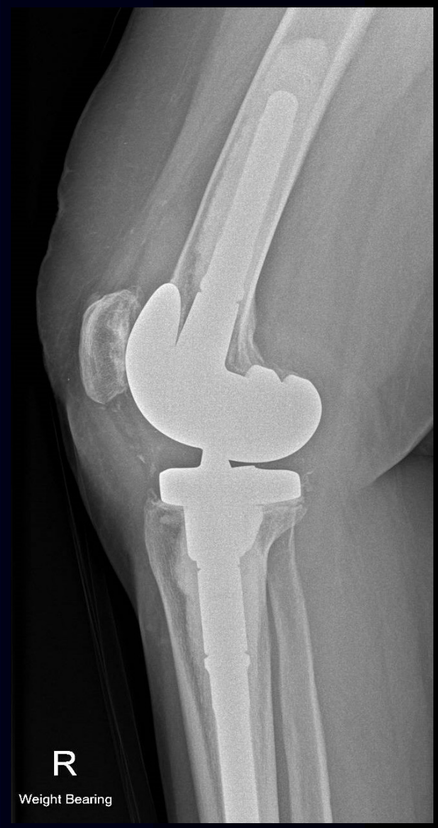




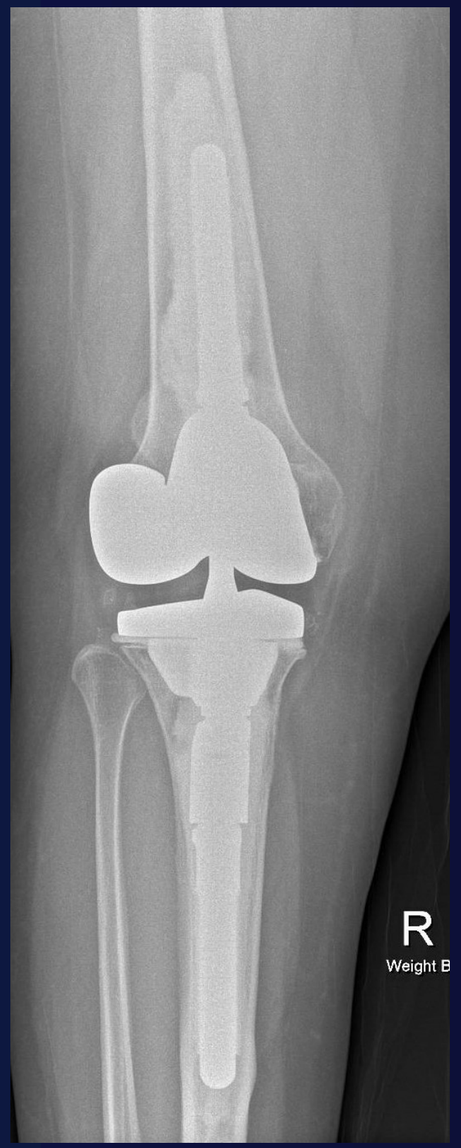
Case 2

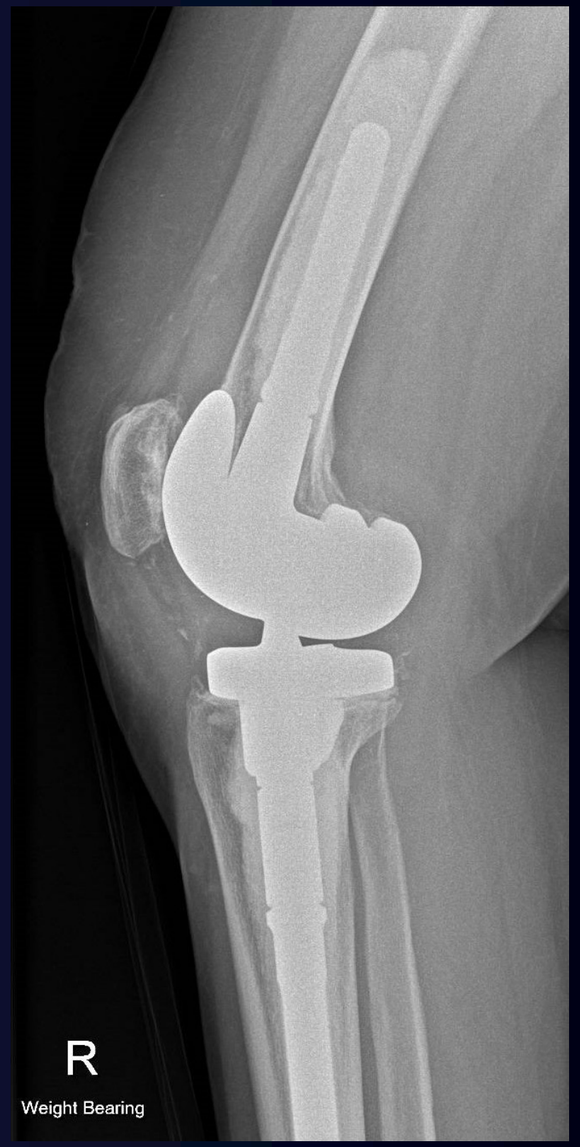
- 82 year old lady
- Primary TKR 2017
- Revision for anterior knee pain 2022
- Presents with recurrent anterior knee pain



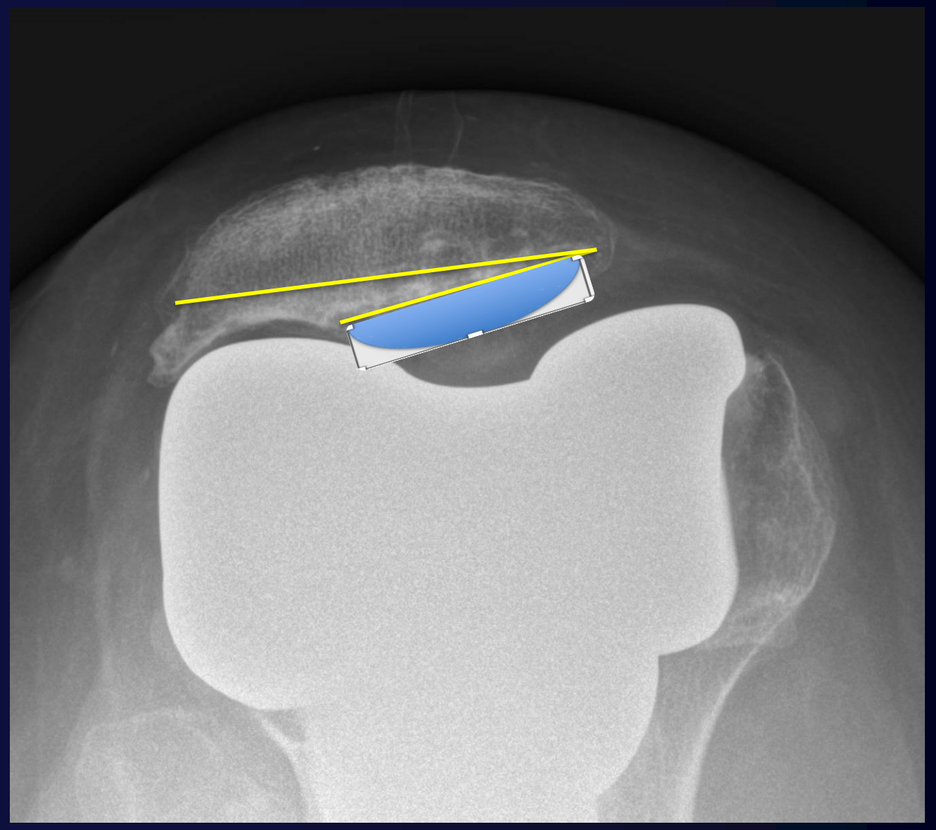


Case 2





Case 2



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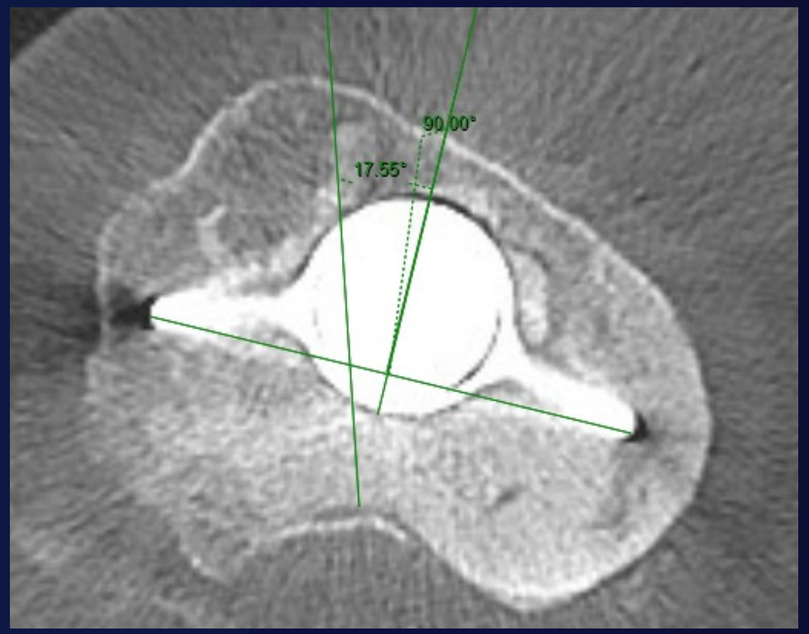
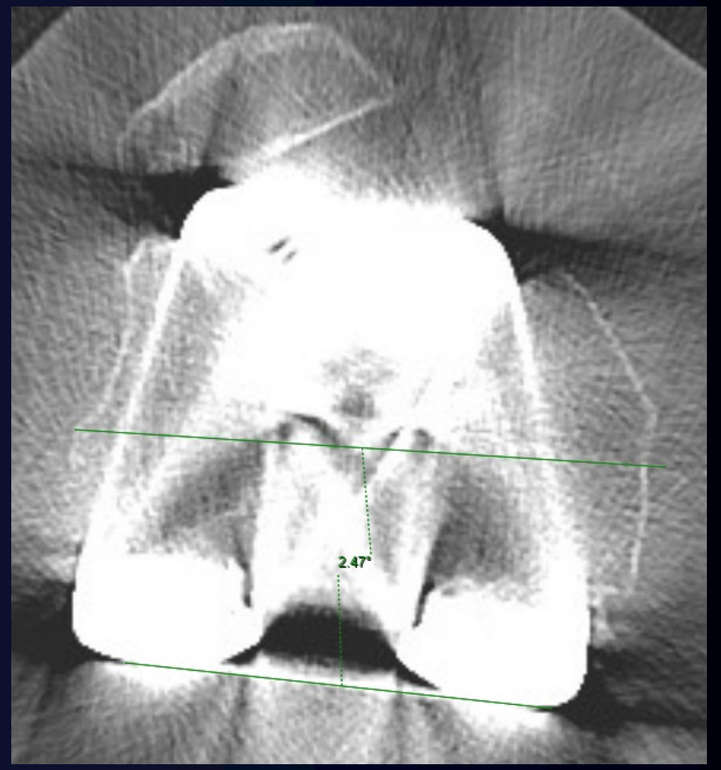


17deg IR

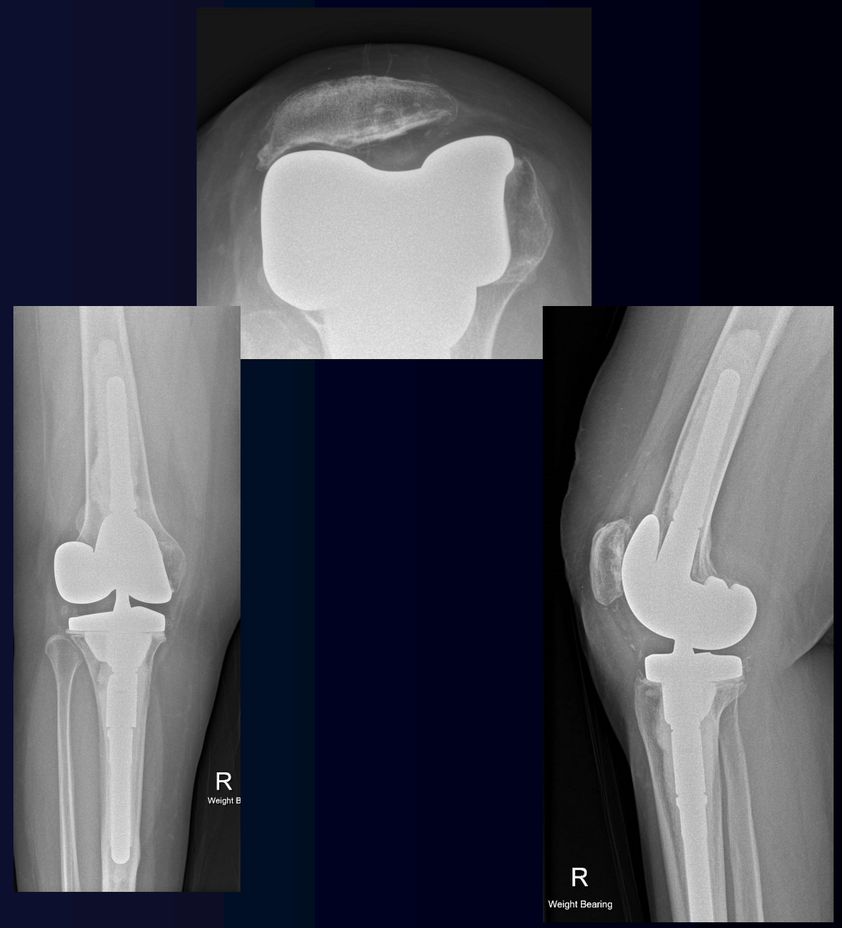


2 deg IR

Case 2

Options:

- More non-op?
- Bracing??
- Patellar realignment with component revision and TTO
- Full revision



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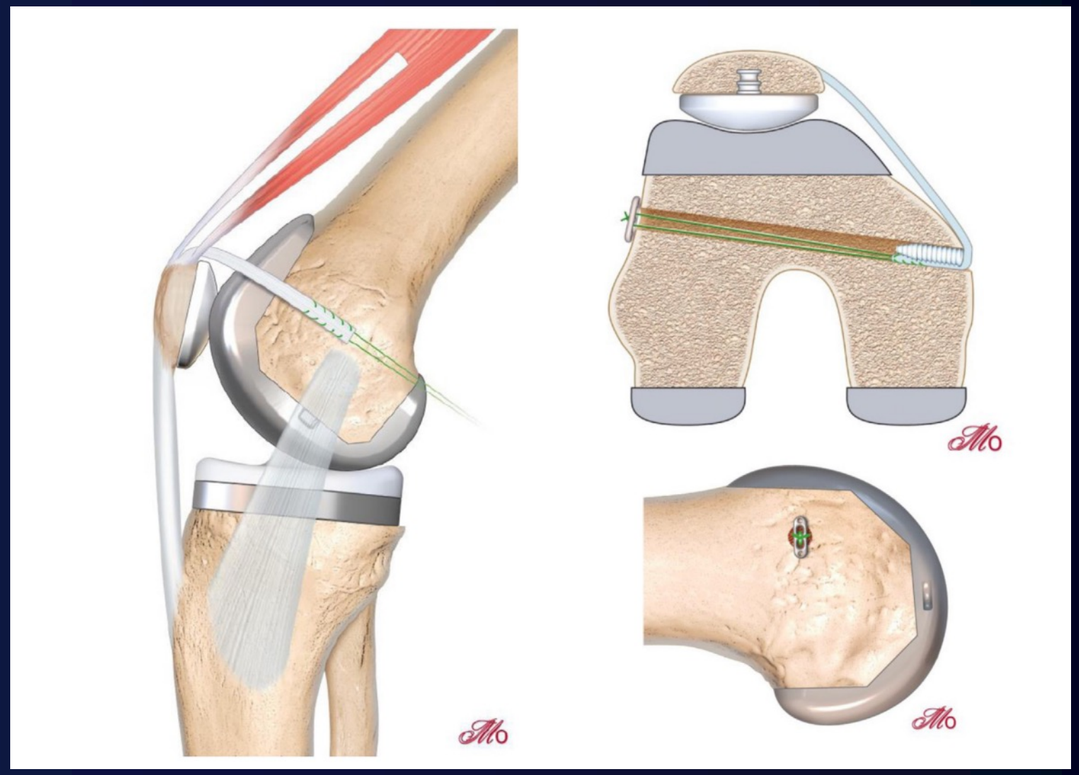
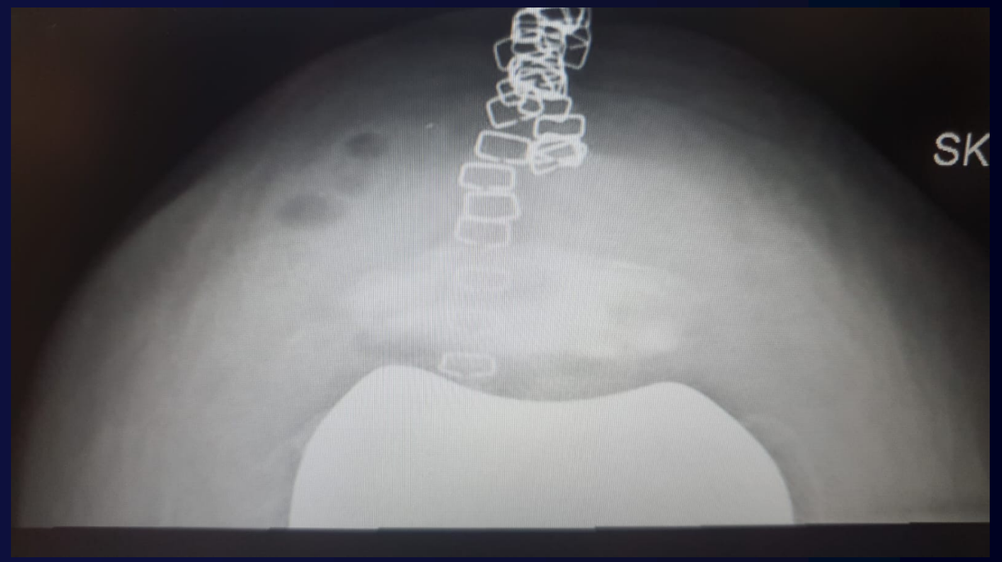
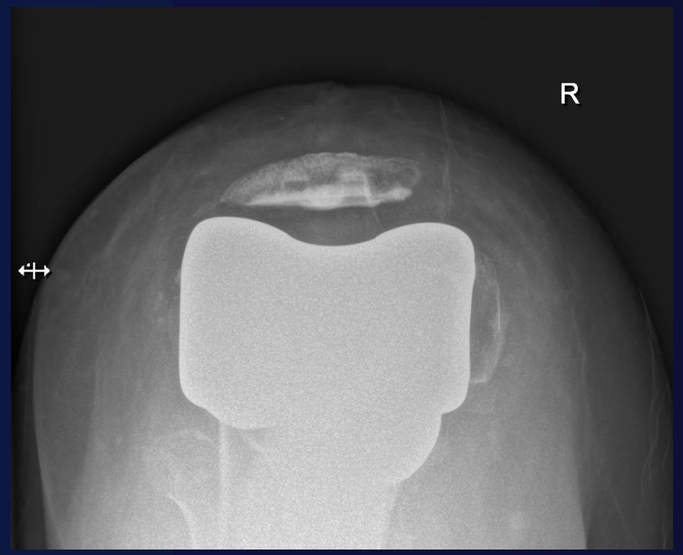


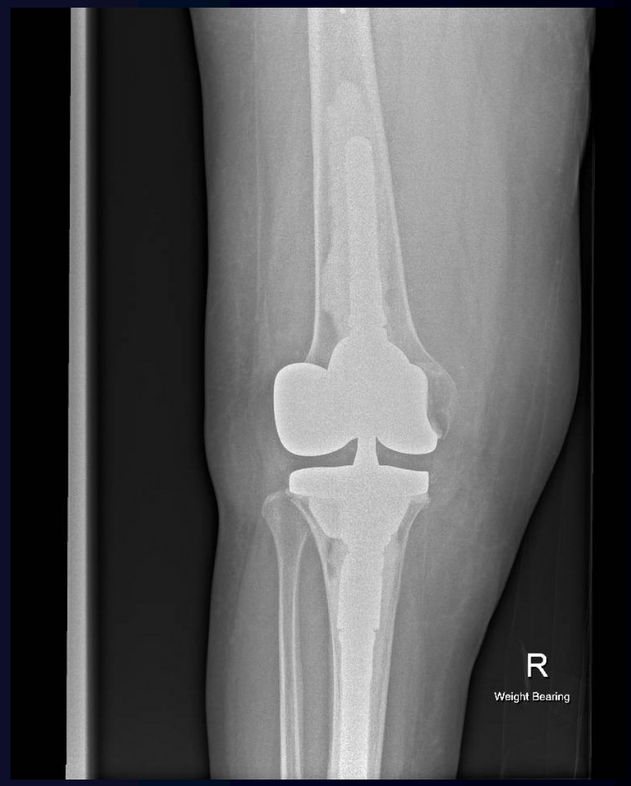
Shatrov et al, 2022

Case 2



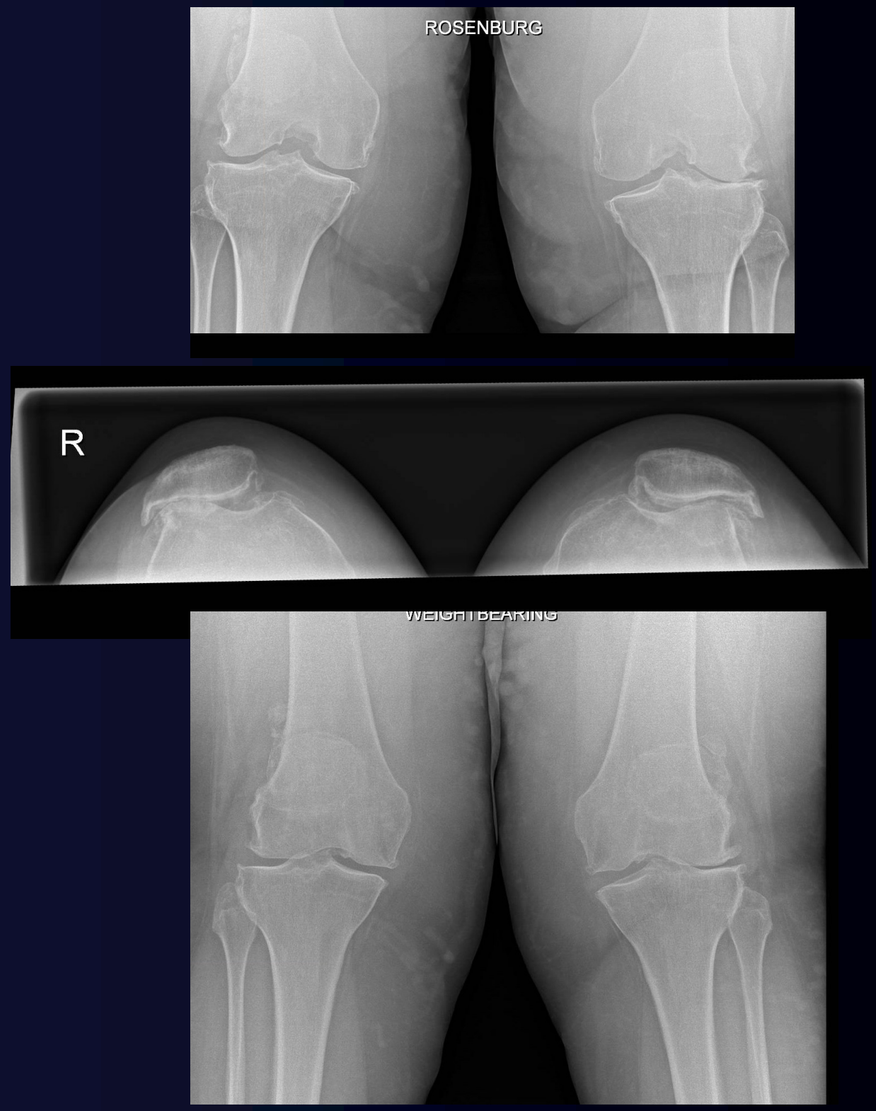
6 months post-op





Case 3

- 57 year old nurse
- Long standing bilateral knee pain
- Simultaneous bilateral navigated TKR 2017



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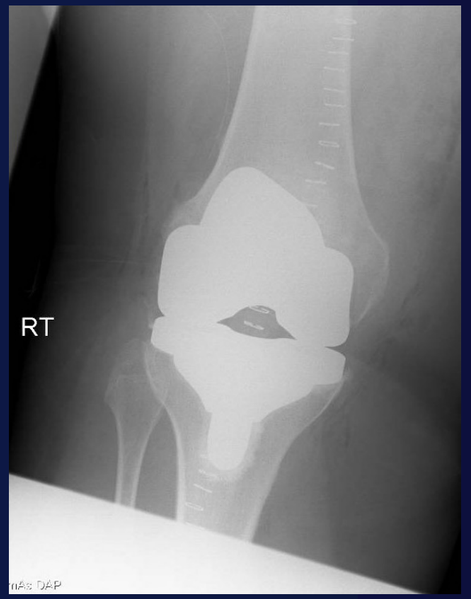

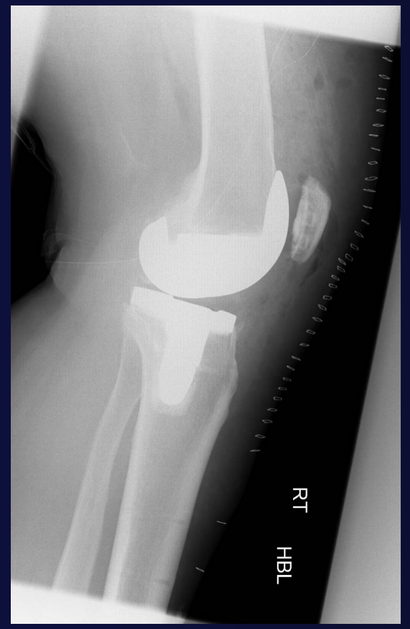

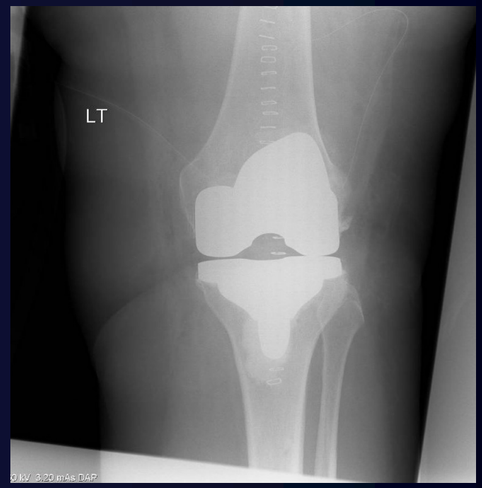

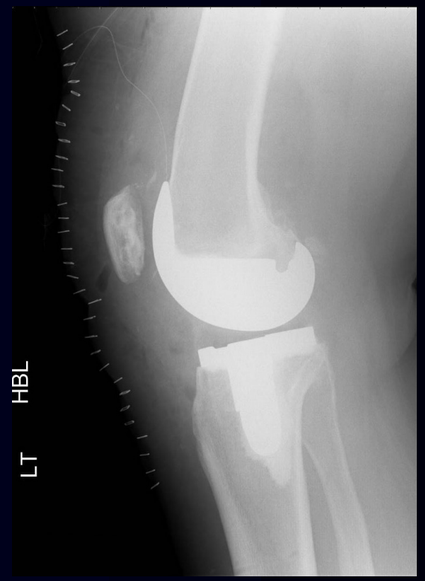

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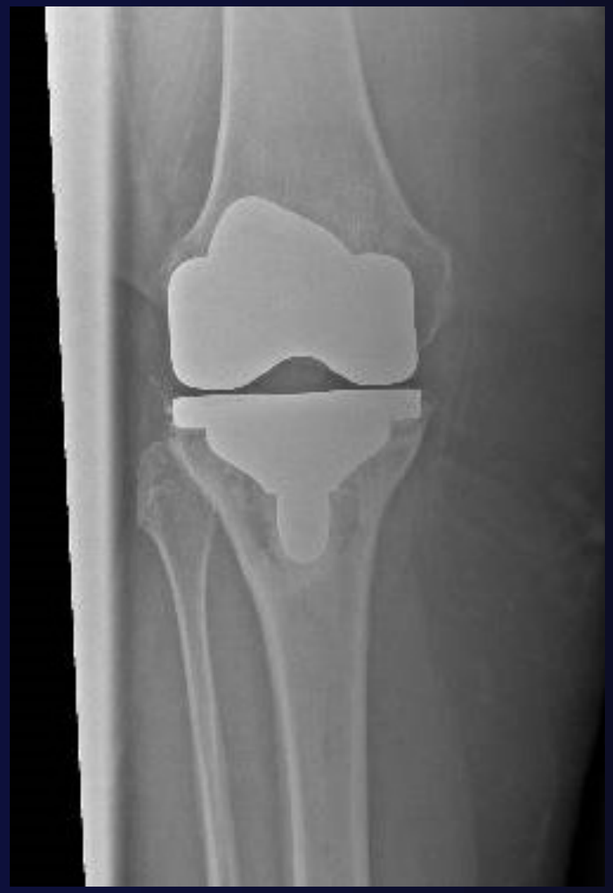
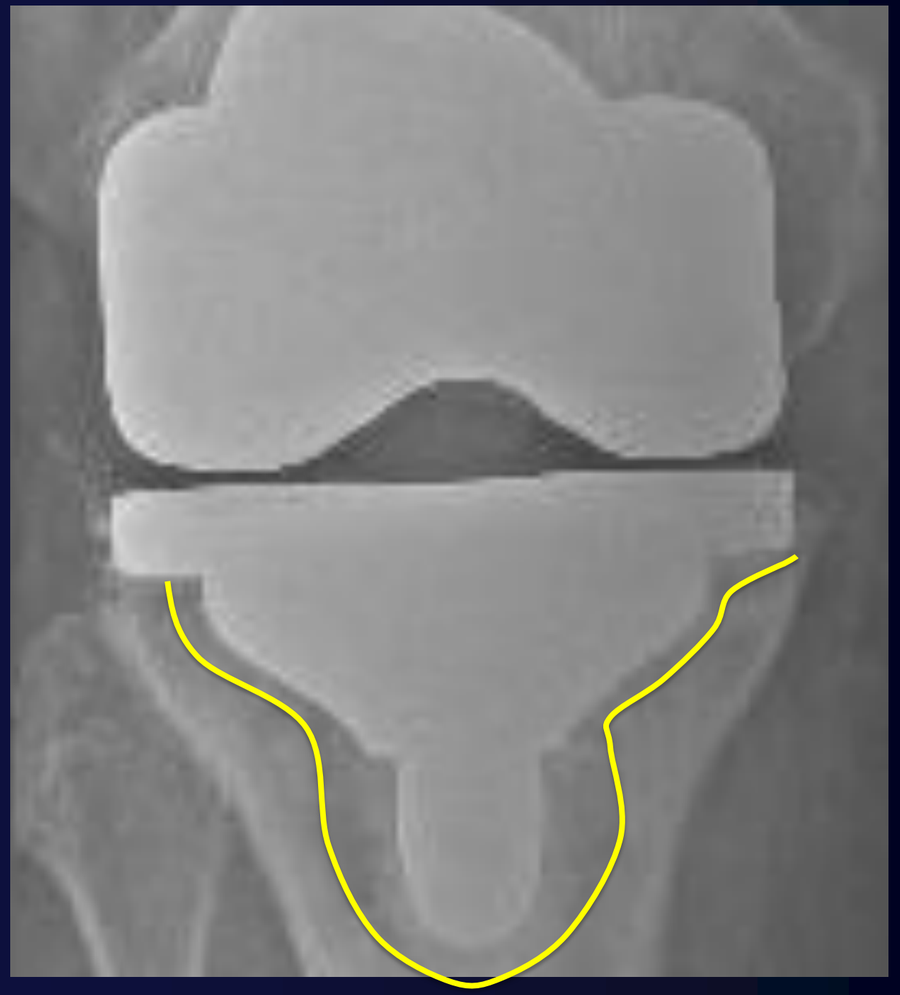


1 year post op

Case 3



1 year post op

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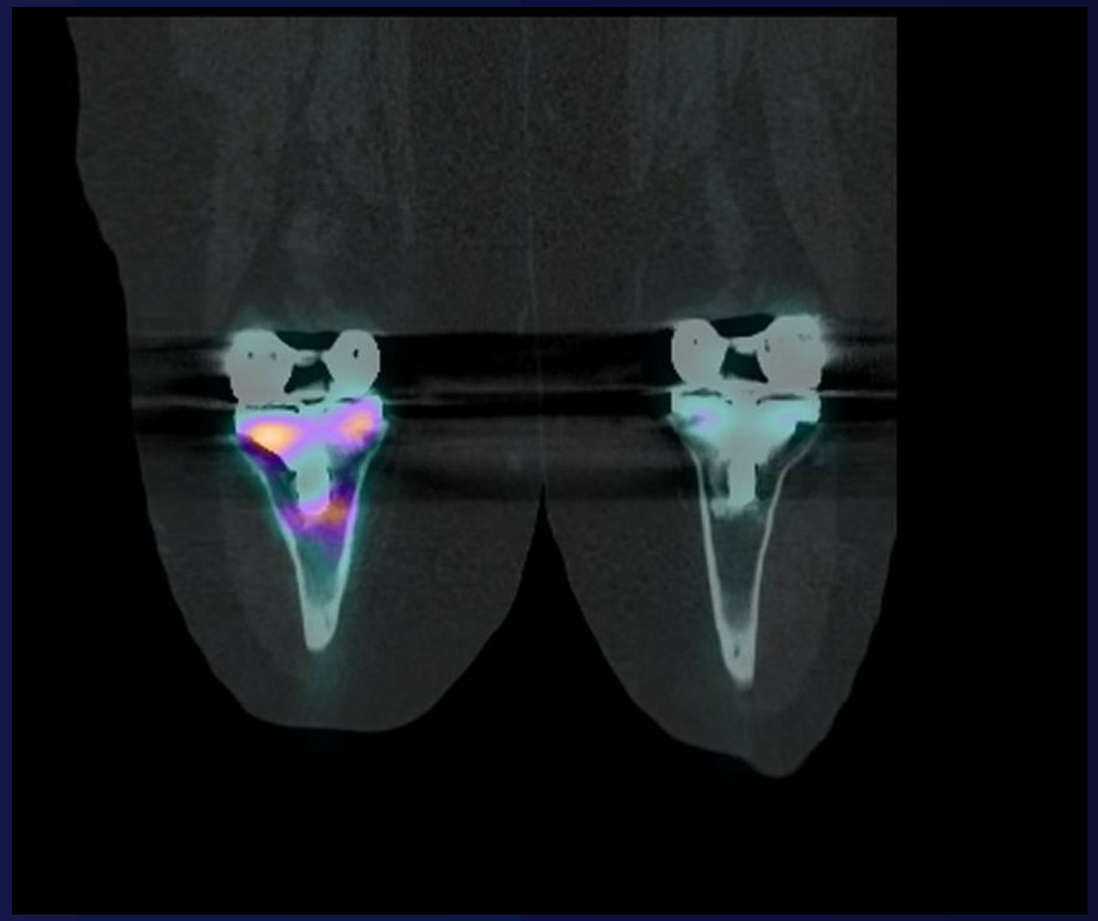

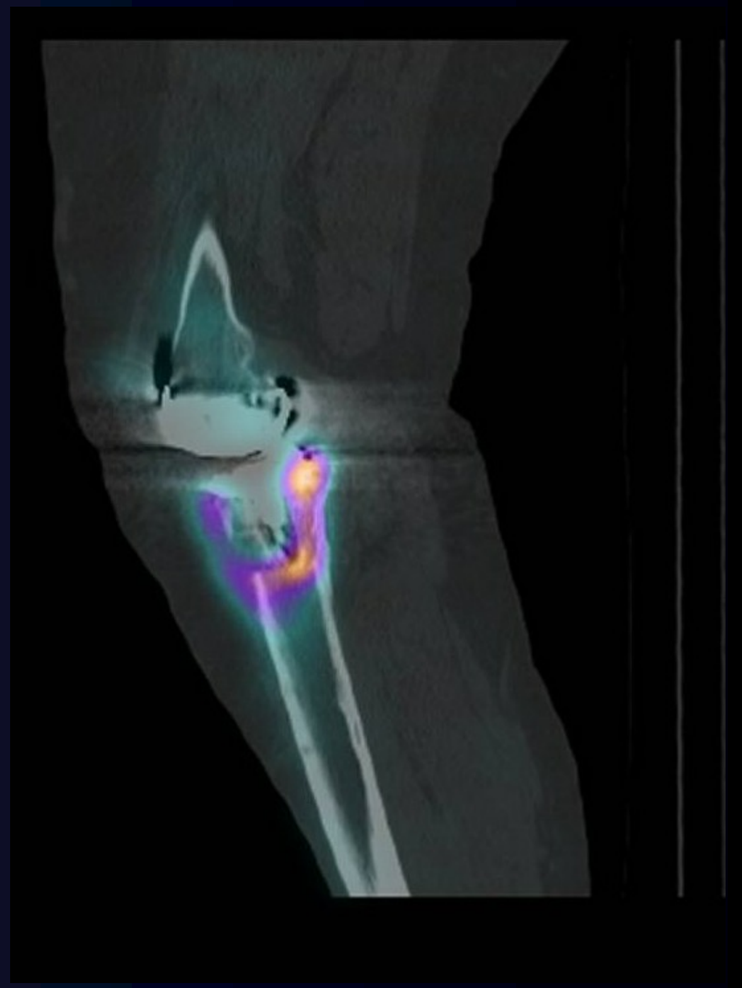

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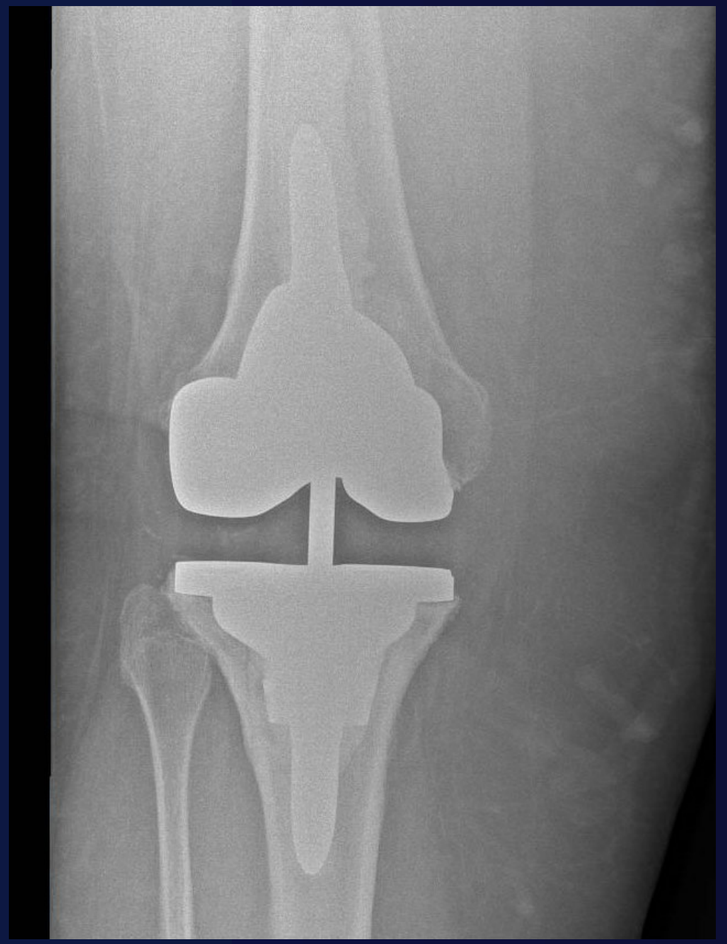

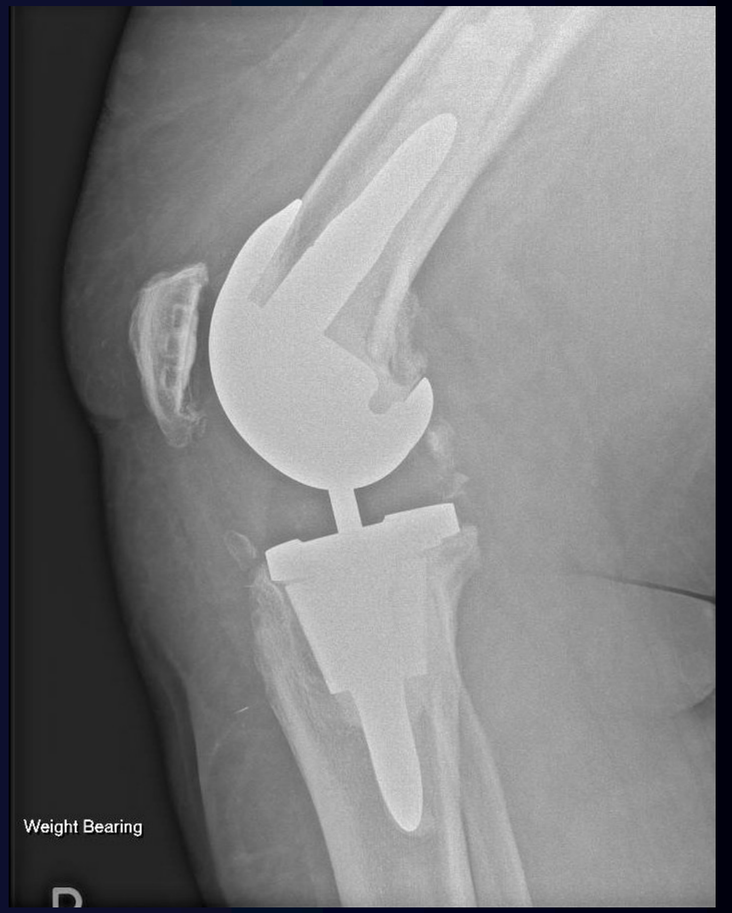

Case 3

MICROSCOPIC DESCRIPTION:
Sections show non-viable bone and degenerate/necrotic marrow. Black granular
material is also present and may represent foreign material from the prosthetic
joint. Histological staining for acid fast and gram(+) bacteria as well as fungi
are all negative. No granulomas are seen and there is no evidence of a vasculitis. Despite negative stains, correlation with microbiological investigations is essential.

Thank you

Elective Orthopaedic Centre @ Grafton Way Building, UCLH