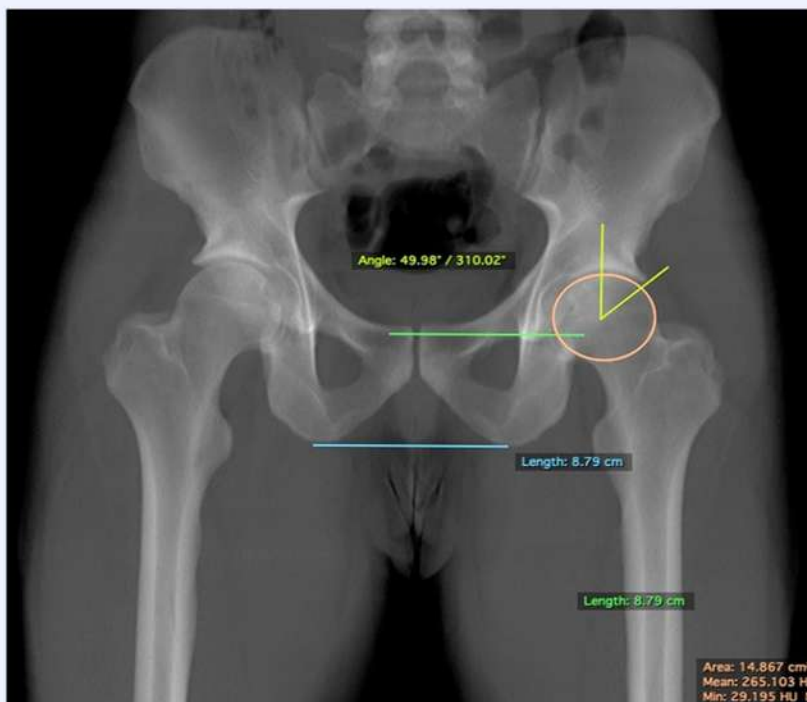


CASE OF THE MONTH [FEMOROACETABULAR IMPINGEMENT]

A young adult under evaluation for pain in left hip joint came for MRI of the hip joints. Initial MR sequences showed no significant abnormality. There was no marrow edema in bones or any evidence of soft tissue injury either. A thorough interrogation of the patient and discussion with the referring orthopaedician revealed that the pain was associated with certain specific rotational movements around the hip, for instance in the 'palthi' posture and during 'squatting'. The MRI 'Pelvis with Both Hip joints' study was modified to a 'Femoroacetabular impingement' protocol and dedicated true axial and coronal images of the symptomatic hip were obtained.

Dedicated imaging of the left hip with the 'Femoroacetabular impingement' protocol, which also included a CT scan acquisition, showed asphericity of the left femoral head with a subtle bump at the anterior head neck junction and abnormal alpha angle with borderline femoral head offset. There is also mild lateral acetabular coverage. The findings were consistent with a 'mixed' [combined Cam and pincer variety] of Femoroacetabular impingement.

There was also associated degeneration of the antero-superior labrum with subtle chondrolabral separation – the findings well picked up on the dedicated small FOV hip joint imaging.



In this issue

- Case of the Month
- New Launch @saral
- Our Experts

ACKNOWLEDGEMENT



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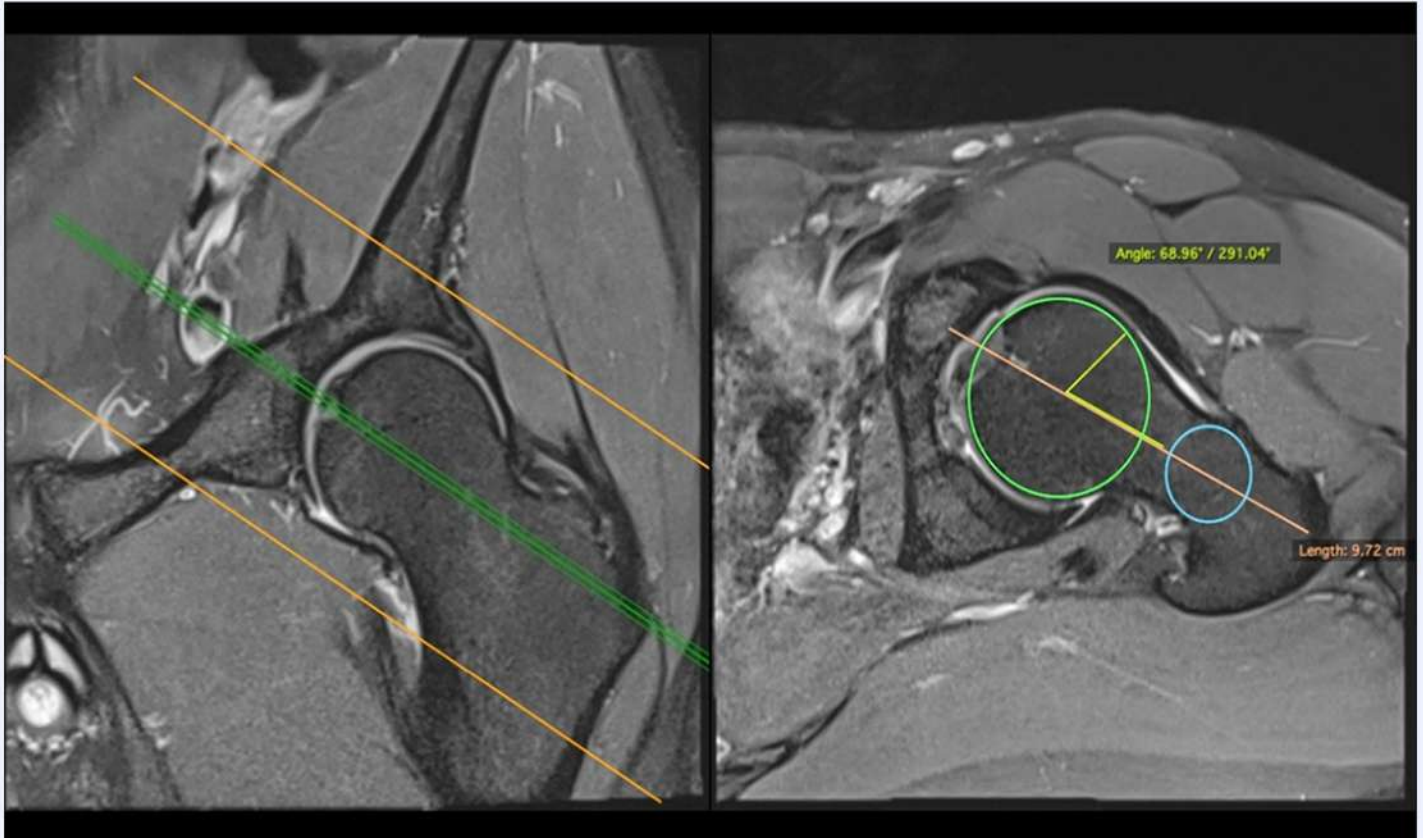


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Femoroacetabular impingement is a rather underdiagnosed entity in the Indian setup. As against the former belief that this is a disease of 'West', it has been very well accepted to be prevalent in Indian setup, though the element of suspicion for this entity still remains low. A proper MRI with specifically designed Femoroacetabular impingement protocol can be of a great help in early diagnosis of the entity which when left untreated often leads to hip joint osteoarthritis in young age group. Early diagnosis followed by appropriate management and corrective surgeries can often help prevent development of the debilitating complication of osteoarthritis, for which the only treatment option is total hip replacement.



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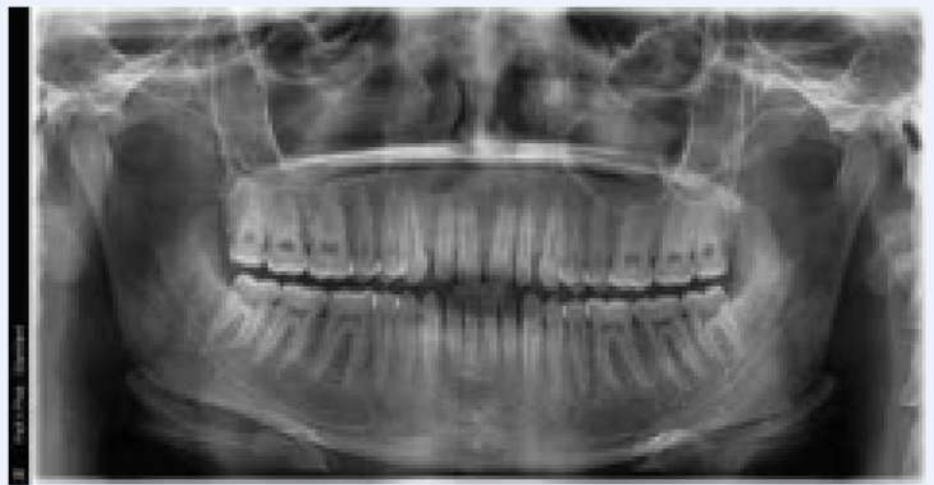
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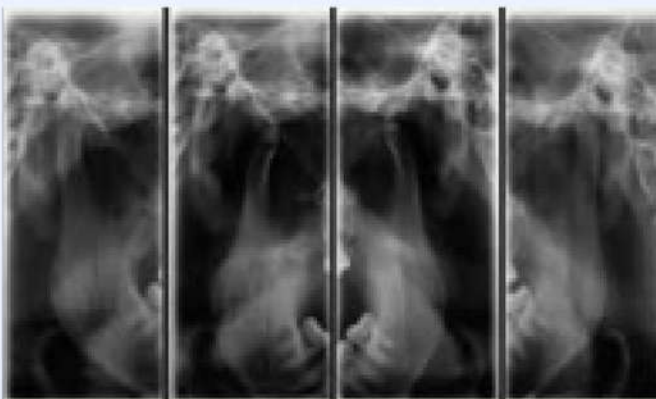
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