

READY Standard

Patient: Female

DOB / Age: (redacted) · 84 years

Study date: xx-xx-2026

Region(s): Bilateral knees

Projection adequacy: Overall diagnostic; hardware partially overlies the proximal right tibia but joint spaces and hardware integrity are adequately visualized.

Projections:

- Bilateral: AP standing, PA flexion
- Right knee: AP, oblique, lateral
- Left knee: AP, oblique, lateral

FINDINGS

Right knee

Healed fracture of the proximal tibia/tibial plateau with lateral plate-and-screw fixation. The hardware appears intact without visible breakage or definite loosening on the provided projections. There is chronic deformity and irregularity of the lateral tibial plateau articular surface with joint line incongruity/step-off. The lateral tibiofemoral compartment shows near-complete joint space loss with marked subchondral sclerosis and marginal osteophytes, consistent with advanced post-traumatic osteoarthritis. The medial compartment demonstrates mild to moderate joint space narrowing with lesser sclerosis and osteophyte formation. Overall coronal alignment across the knee is preserved on standing views without gross varus or valgus subluxation. Patellofemoral joint space is relatively maintained with only mild degenerative change. No acute fracture, dislocation, or destructive bone lesion is identified. Periarticular soft tissues are unremarkable; a small effusion cannot be excluded on the lateral view.

Left knee

Mild narrowing of the medial tibiofemoral joint space with small marginal osteophytes, compatible with mild osteoarthritis. The lateral tibiofemoral compartment is preserved. Patellofemoral joint space is maintained without significant osteophyte formation. No acute fracture, dislocation, or focal destructive lesion is seen. An ossicle posterior to the lateral femoral condyle is compatible with a fabella.

Bone quality (bilateral)

Generalized decreased mineralization of visualized bones, suggesting osteopenia.

COMPARISON

No prior knee radiographs are available for comparison.

IMPRESSION

- Right knee: Healed proximal tibial/tibial plateau fracture with intact lateral plate-and-screw fixation and severe lateral-predominant post-traumatic osteoarthritis, with associated articular surface deformity and joint line incongruity; milder degenerative change in the medial and patellofemoral compartments. No radiographic evidence of acute fracture or hardware failure.
- Left knee: Mild medial-predominant osteoarthritis with otherwise preserved joint spaces and no acute osseous abnormality.
- Imaging appearance of osteopenia.