

KNEE

ROUTINE: **TRAUMA/INJURY:** AP on the table & X-table Lateral.

PAIN – NO INJURY:

Age 18+ - Bilateral Standing AP, Bilateral PA Flexion, Bilateral Sunrise, Lateral of affected side(s).

Age 40+ - Use TRAUMACAD template on AP and lateral views if available.

< Age 18 - AP on the table, Lateral and Sunrise. *No sunrise on patients under the age of 14.*

DISTANCE: 40” (48” for both standing knees on the same image).

BUCKY: YES for AP, PA and Lateral. NO for X-table and Sunrise.

FOCAL SPOT: Large

IMAGING PLATE: Standing AP/PA - 14x17 CR cassettes or DR detector.

Supine AP, Lateral and Sunrise - 10x12 CR cassettes or DR detector.

CENTRAL RAY:

1. Perpendicular to 1” inferior to the apex of the patella.

HELPFUL POSITIONING:

1. All standing knees should be done with both shoes off.
2. **Lateral:** Angle tube 5° cephalic with knee flexed 25-30°. X-table images should be rotated to look as if they were done on table.
3. **Sunrise:** Patient is supine with affected knee supported by sunrise board. Patient’s knees are flexed 45°. Place film crosswise in holder so it rests on patient’s tibia. Angle tube 60°. Place marker on lateral side of knee.
4. **PA Flexion:** Done standing bilaterally w/ knees flexed 45°. Angle tube caudally 10°.

SEE ALSO/OTHER VIEWS

1. **Tibial Plateau:** AP knee with a 10-15° caudal tube angle. Larger body habitus will require less angle or no angle.
2. **Tunnel: (Holmblad)** - see pg. 21 or **(Camp Coventry)** - see pg. 20.

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