Radiation Safety and Hapsal procedure

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Radiation Saftey

Eye protection: Leaded Safety glasses

Thyroid protection:

Gown and Lead Apron under mid thigh.

Radiation Gloves: In an flouro setting the device will read the resistance and increase the KV and MAS and hence dose to average around it to properly expose the bone your trying to see.

I double glove

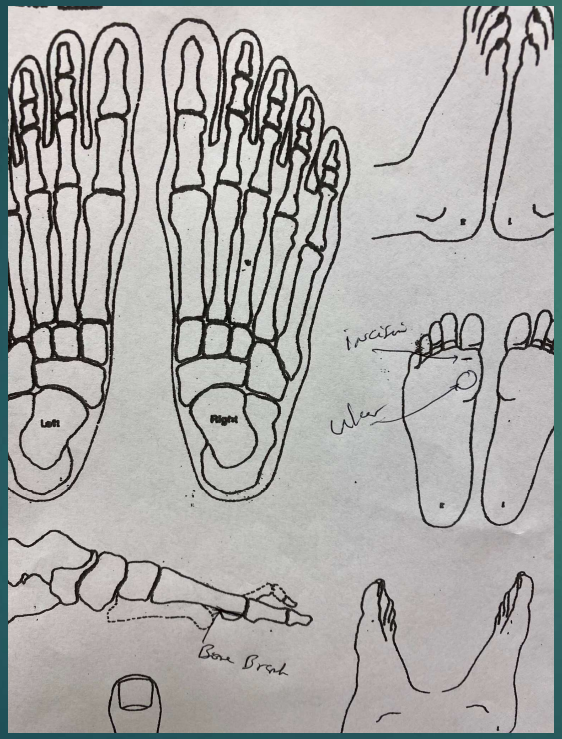
Patient and Beam direction

- The beam will scatter perpendicular from the transducer.
- You need thicker lead with traditional C arm
- In mini C arm a lighter apron is acceptable
- California is now saying patients don't lead protection…I give the patient a choice. The Airllines don't offer passengers and pilots leaded shield. Yet a coast to coast flight is equal to a chest x ray.
- The harmful radiation is of a lower KV or energy which scatters around in the body potentailly hitting and nicking DNA, which has to be repaired and introduced potential error.
- The Higer KV will pass though the body. So he lead may do more harm than good to the patient while the Doctor and staff should us protection because of the addititive dose effect of radiation exposure.

Haspel osteotomy and radiation safety

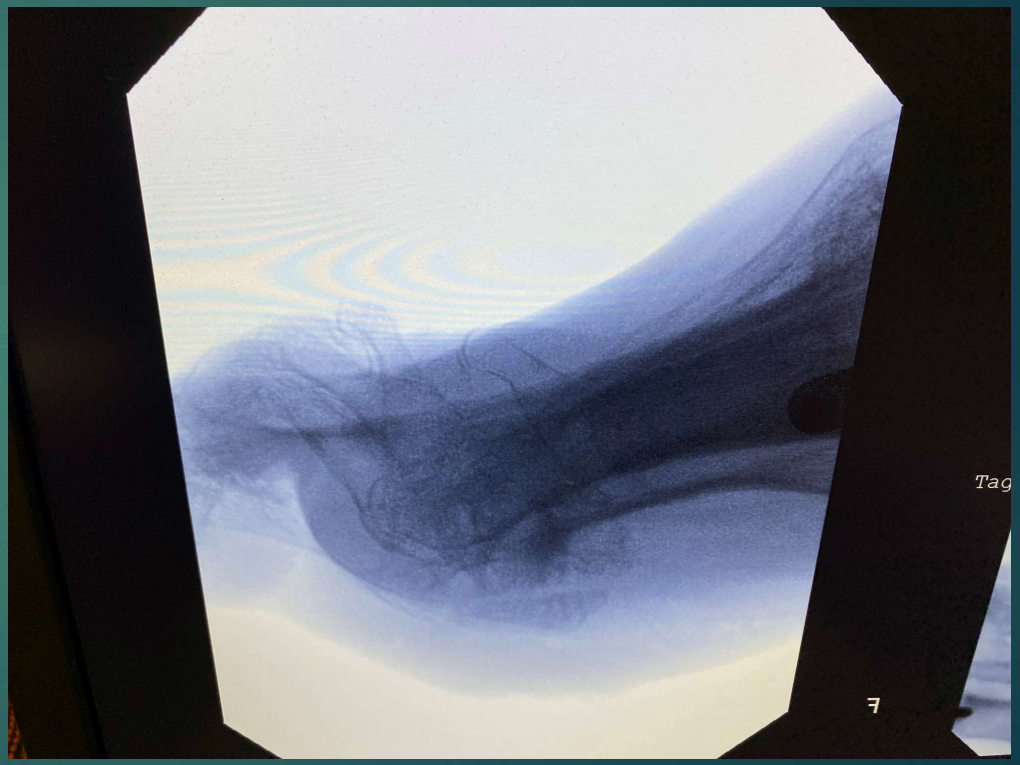
A TRANSVERSE PLANE OSTEOTOMY TO RAISE THE PLANTARFLEXED METATARSAL HEAD.

Haspal osteotomy planning



Haspal Osteotomy

Osteotomy post op one week



C Arm position

radiation sensitive tissues: High turn over or specialized tissues: eyes, thyroid, posterity, skin from high energy electromagnetic waves: x-ray and UV. Etc.

These waves are additive in there effect. Shots in the Dark sometime hit the unintended target. Your DNA is nicked and must be repaired properly to avoid error.

Thank YOU

- Be your best, do your best, love your best
- Do it in all for the family.