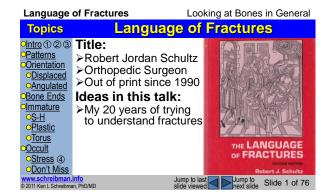
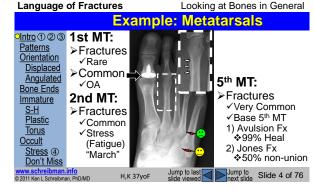
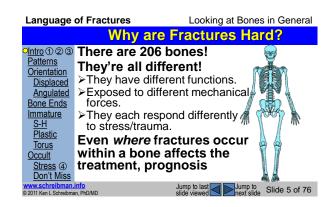
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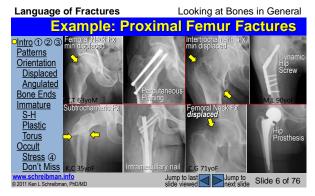




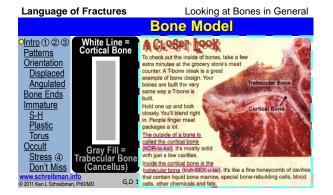


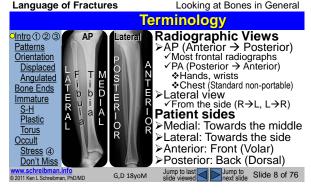


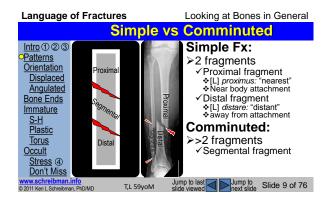


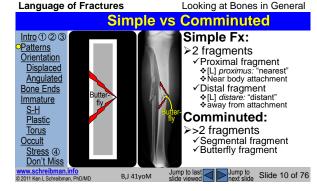


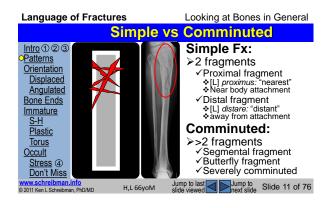
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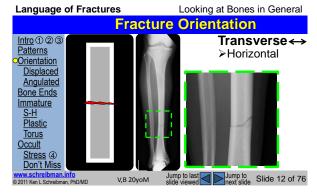




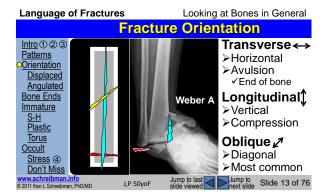




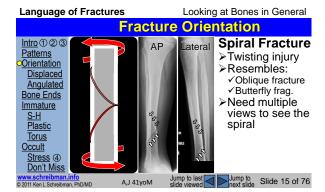


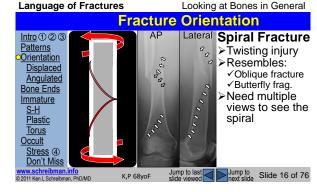


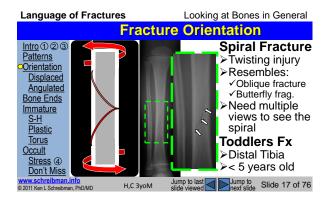
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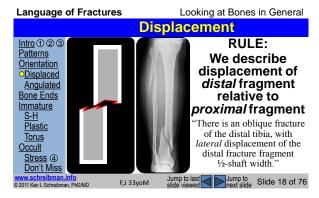




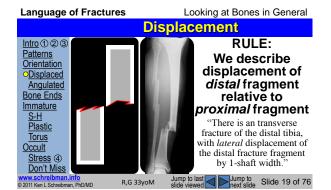






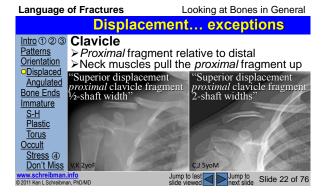


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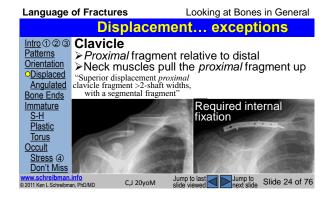




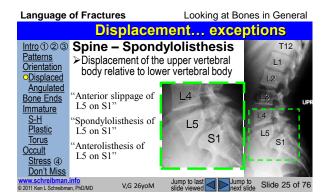


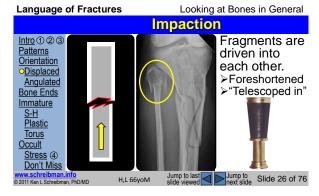


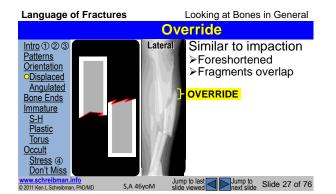


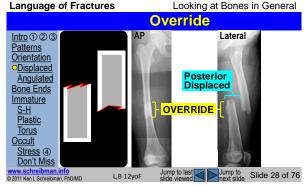


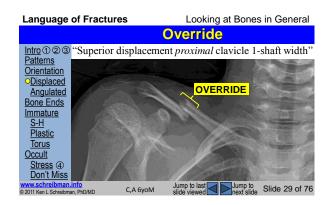
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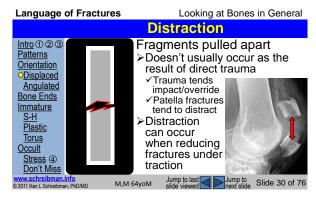




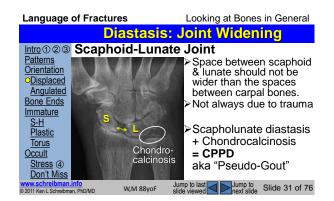


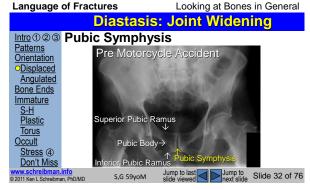


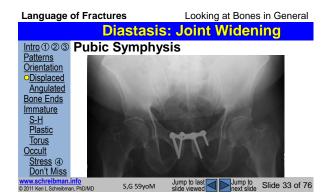


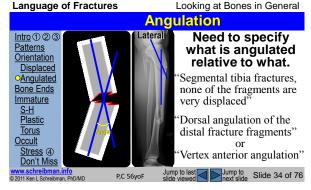


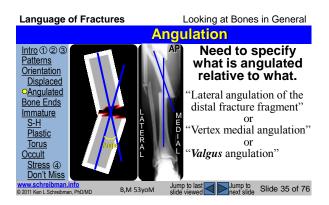
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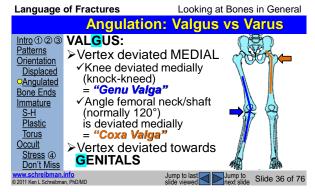




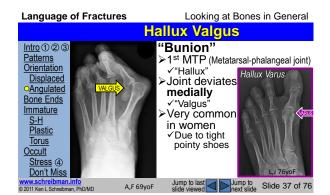


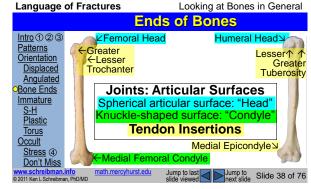


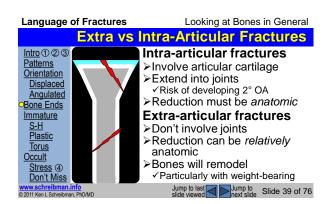


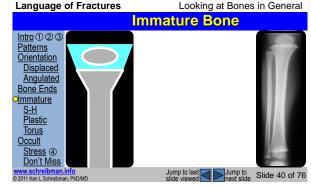


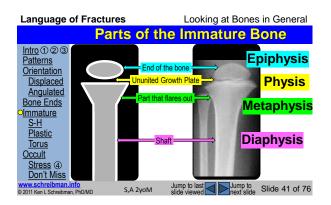
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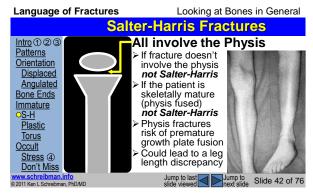




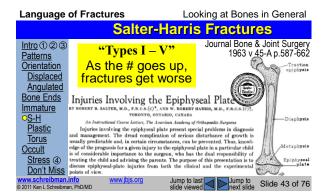


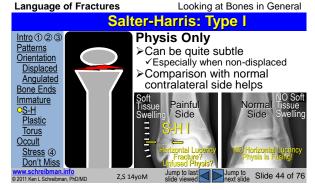


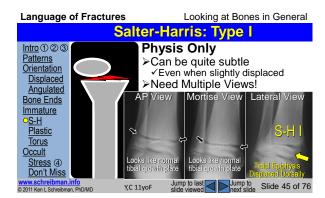


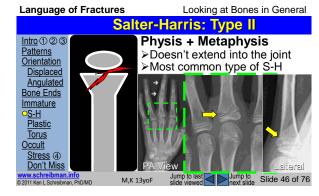


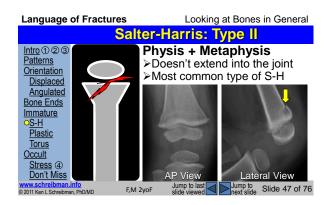
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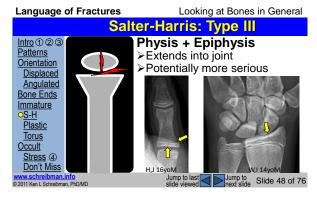




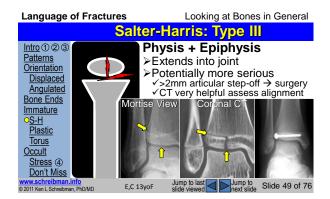


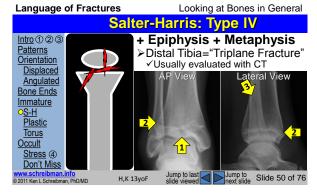


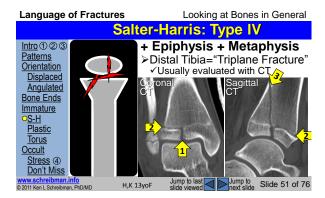


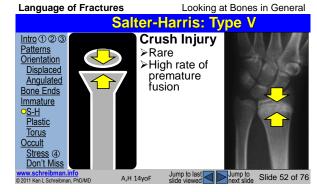


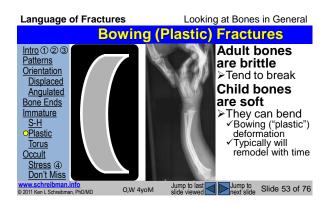
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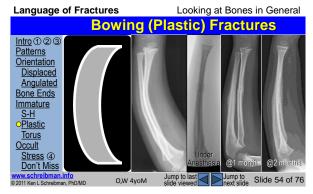




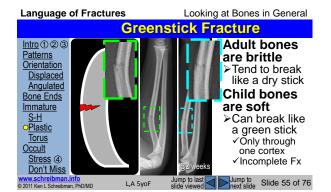


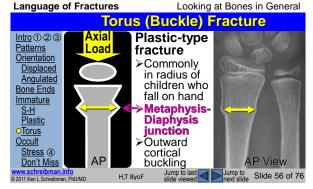


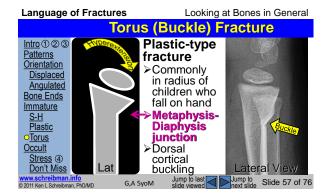




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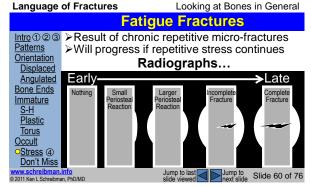




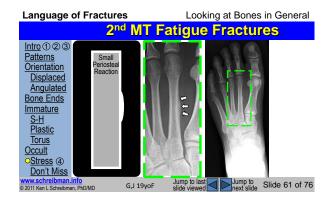


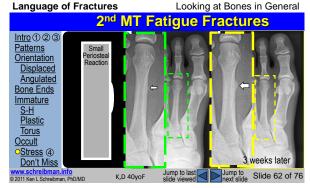


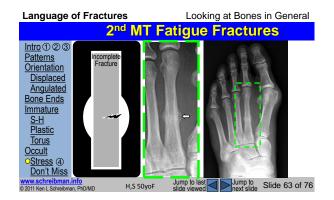


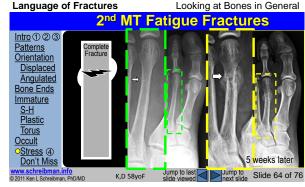


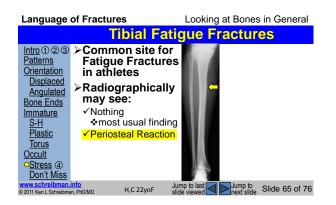
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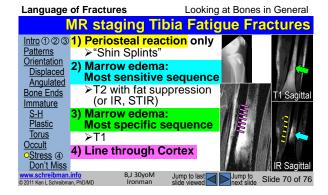


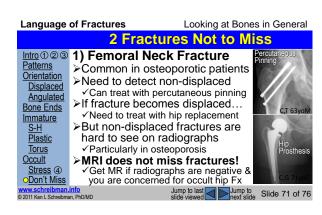
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Looking at Bones in General Language of Fractures MRI for Stress Fractures Intro 10 2 3 MR is Sensitive & Specific for fracture <u>Patterns</u> ➤ Sees marrow edema, periosteal reactions Orientation ➤ (Bone scans: sensitive but not specific) Displaced When should you consider MR? Angulated Bone Ends Fatique fractures in patients reluctant to stop <u>Immature</u> √College athletes S-H Plastic ✓Ironmen; Marathoners ✓ Patients not responding to conservative treatment **Torus** Insufficiency fractures in osteoporotic pts Occult ✓ Spine/sacral fractures may require prolonged rest OStress 4 √Hip fractures require surgery Don't Miss Jump to last Jump to next slide Slide 69 of 76

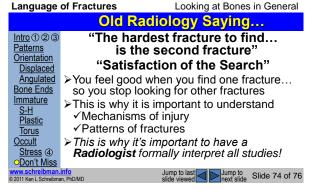




Looking at Bones in General Language of Fractures 2 Fractures Not to Miss Intro 10 2 3 2) Scaphoid Fracture <u>Patterns</u> High rate of non-union, avascular necrosis Orientation ✓Non-displaced fractures require splint/cast Displaced ✓ Displaced fractures require surgical screw Angulated ➤ But non-displaced fractures are hard to see Bone Ends Diagnosis is made primarily by exam <u>Immature</u> √Snuffbox Tenderness = Presumed Scaphoid Fx ➤ Treat with splint/cast for 2 weeks Plastic ✓ Even if radiographs are read as negative ➤ Reexamine ăfter 2 weeks <u>Torus</u> √Repeat radiographs if still has snuffbox tenderness <u>Occult</u> Stress ④
ODon't Miss >MRI does not miss fractures! ✓ Used for persistent pain; UW athletes Jump to Slide 72 of 76

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Looking at Bones in General Language of Fractures <u>Schreibman's Sayings...</u> "Trauma is not evenly distributed Intro 1 2 3 <u>Patterns</u> within the population" Orientation >Patients who come in with new fractures Displaced have had fractures in the past Angulated ✓ People who drive recklessly... do so repeatedly Bone Ends People who get into fights... do so repeatedly
Students who get drunk on Friday night and
punch walls... do so repeatedly
It can be hard to tell old from new fractures <u>Immature</u> S-H Plastic **Torus** > This is why it's important to have a <u>Occult</u> Radiologist formally interpret all studies! Stress 4 ➤ Sometimes we suggest additional studies Jump to Slide 75 of 76

