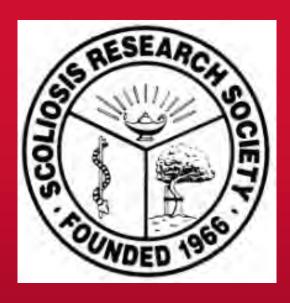
#### **Disclaimer**

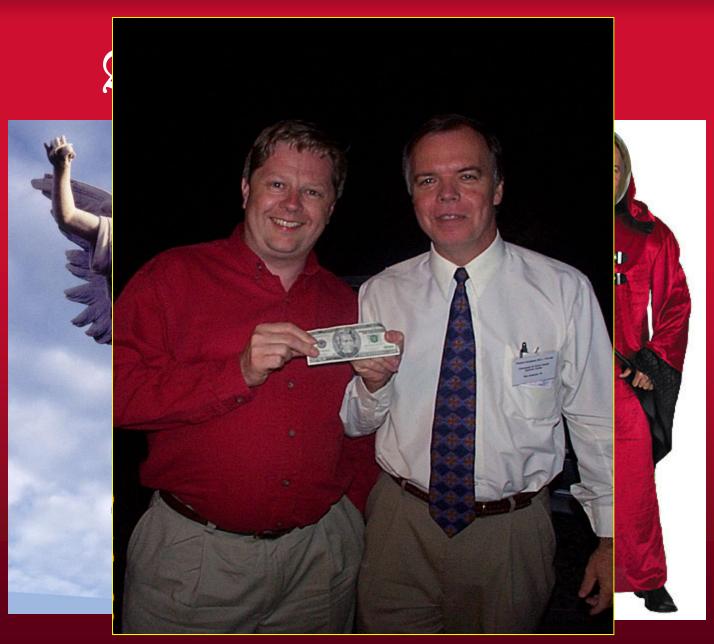




Mr D S Marks FRCS FRCS(Orth) is a consultant to DePuy Spine & Medtronic He receives royalties from Depuy Spine complication and / or technique

Some instrumentation and / or techniques shown may not be approved for use by the FDA but are approved for use by the NHS

### Spine V Chest



Department of Spinal Surgery The Royal Orthopaedic Hospital

# Would you do a Total Hip Replacement on this hip?



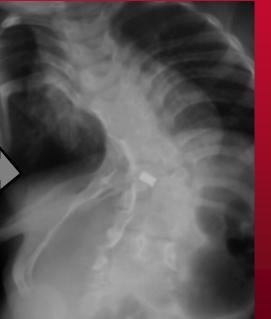
## When the Pathology is here?

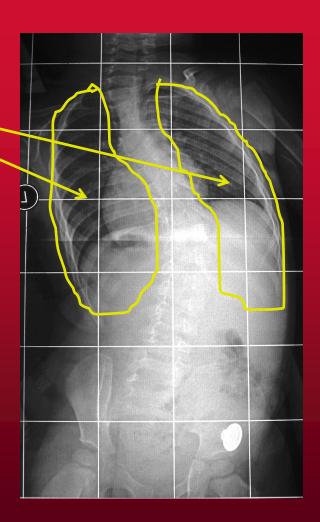


## Then why subject a 'normal' thorax to this !!



Only Congenital Scoliosis has rib pathology – why operate here in a 'normal' thorax





**VEPTR stiffens chest** wall

**↓FVC after VEPTR** 

↓FEV1

↑ Residual volume

John Emans (Boston)
Mayer & Redding (Philadelphia)
Motoyama et al (Pittsburgh)



RT

Chest instrumentation has difficulty in addressing sagittal / transverse planes





pulls out at the bottom

**Limited Fixation** 

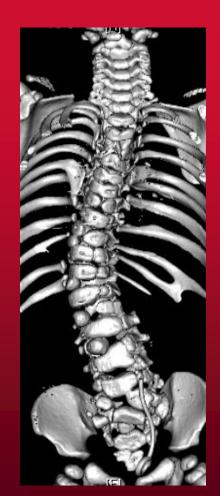
Whereas spinal instrumentation has -





Cannot deal with selective spinal pathology *ie* hemimetameric shift

Spinal Instrumentation has the flexibilty to do this



#### Che

Issues of (better with





#### tion



Dep

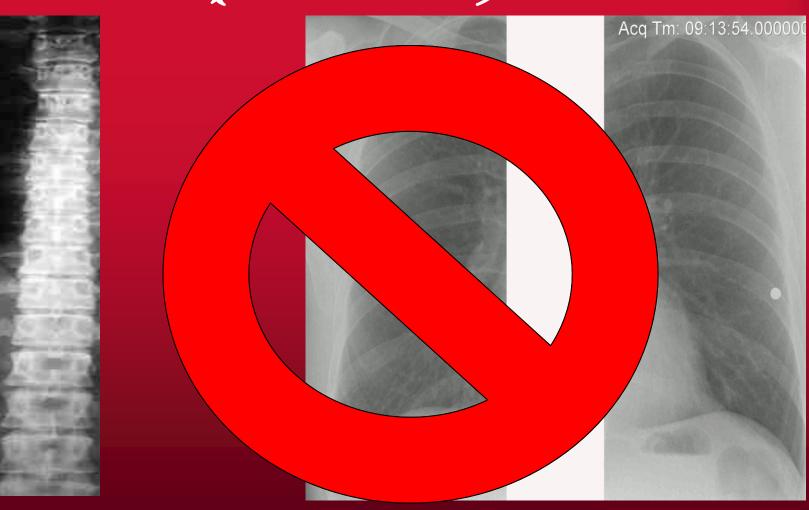
Hospital

### Go Where the Pathology is!

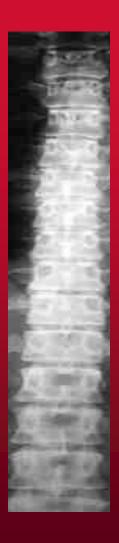


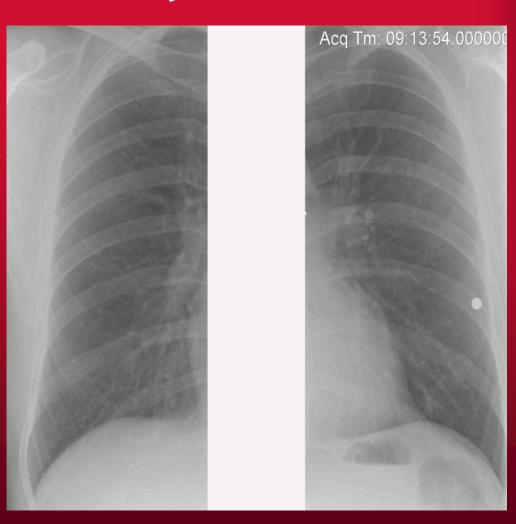


### Spine P Chest?



### Spine P Chest?





### Spine & Chest

