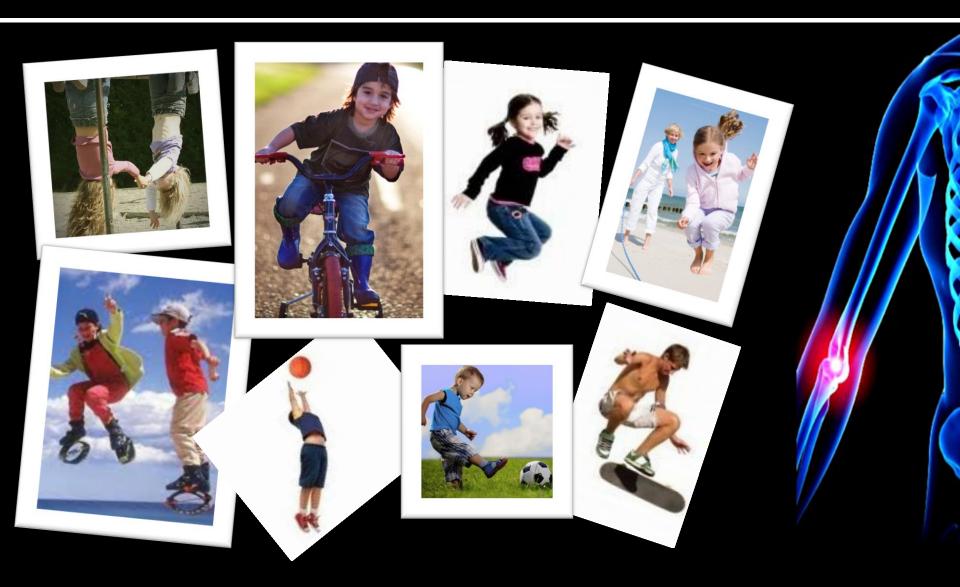
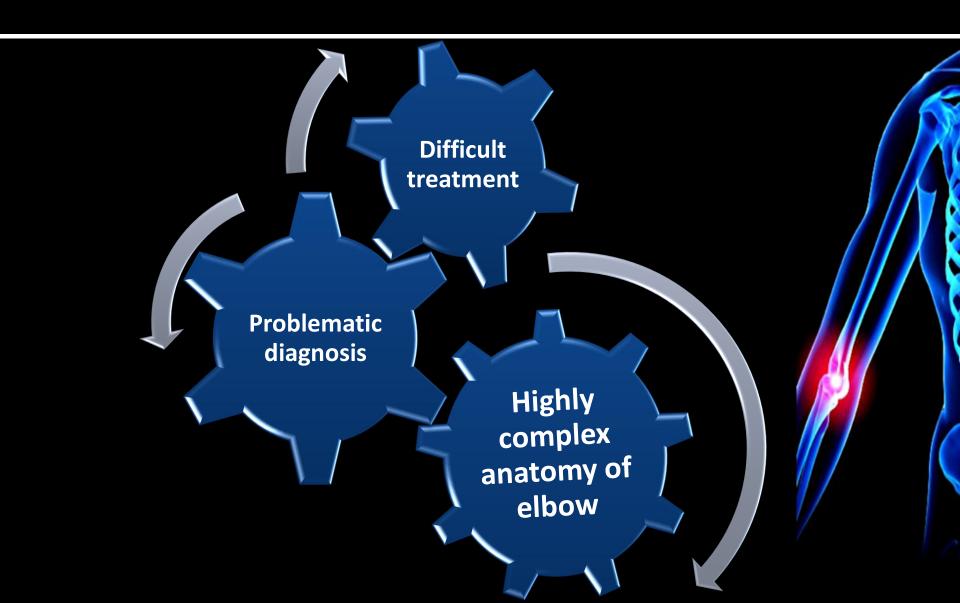


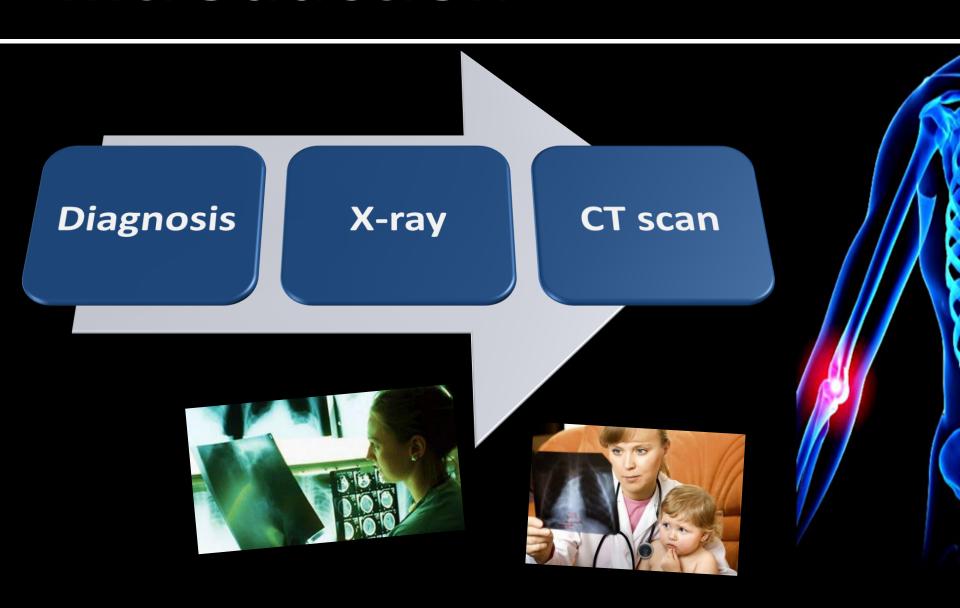
KATARZYNA FRYDRYCH

Head of Pediatric Surgery and Oncology Clinic: prof. E. Andrzejewska, MD, PhD Tutor: J. Jabłoński, MD









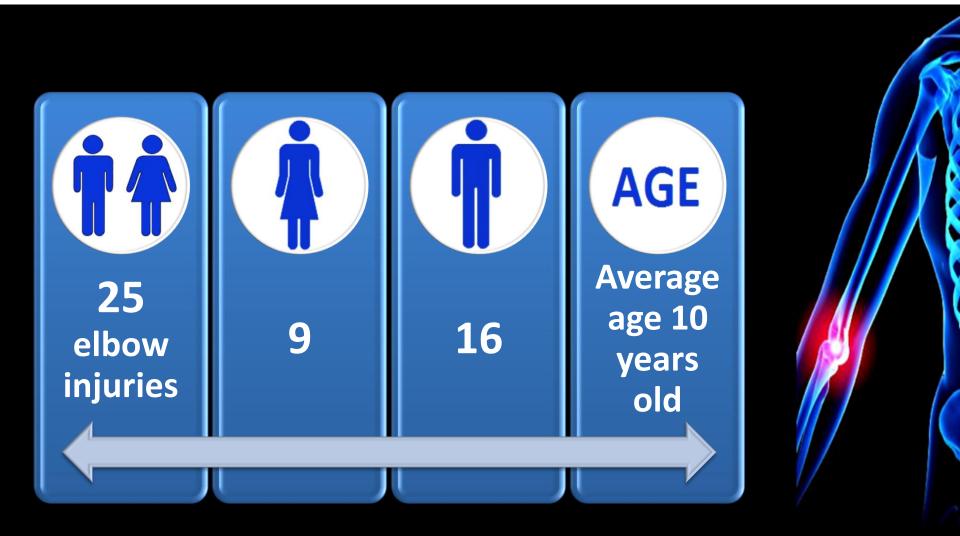
Aim of the study

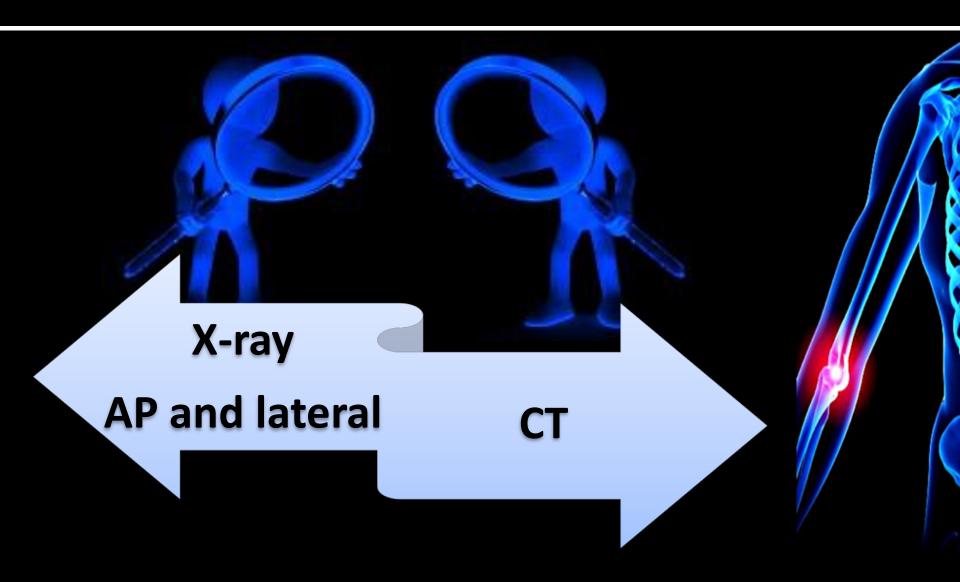


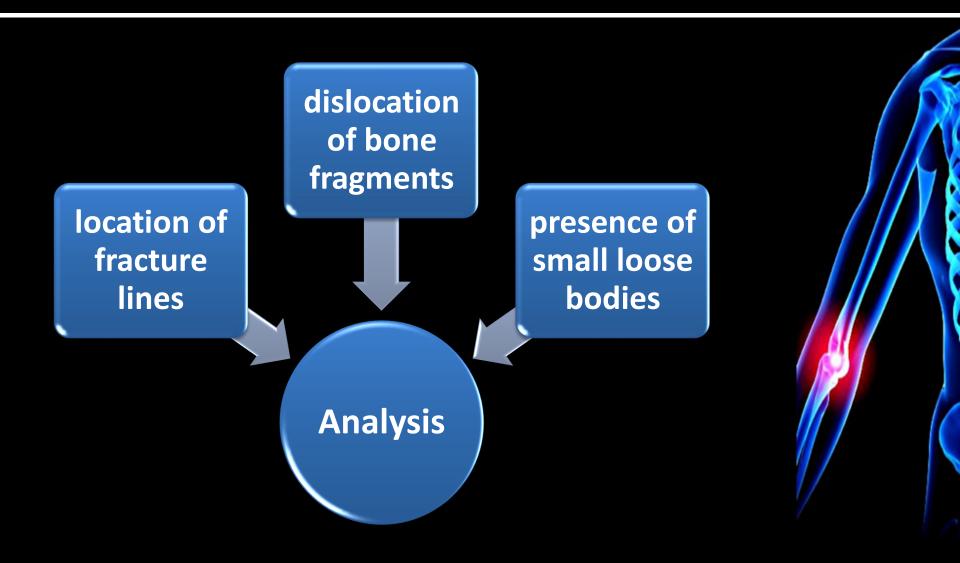
Assess the value of conventional radiograms and CT-scans for visualization of post-traumatic lesions of elbow joint in children



Sensivity and sensibility of X-ray







 Ability to identify positive results

Sensitivity

TP TP+FN Ability to identify negative results

Specifity

TN FP+TN

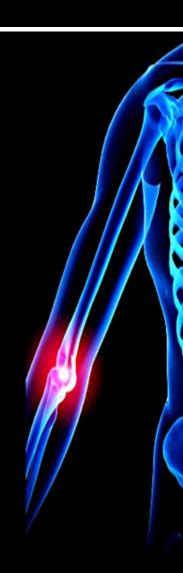
Proportion of positive test results correctly diagnosed

PPV

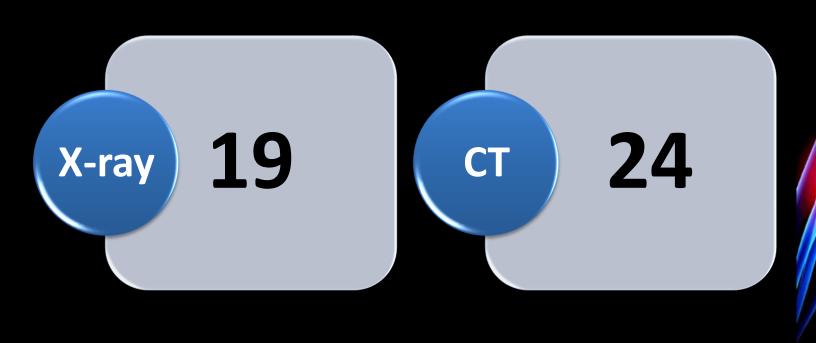
TP TP+FP Proportion of negative test results correctly diagnosed

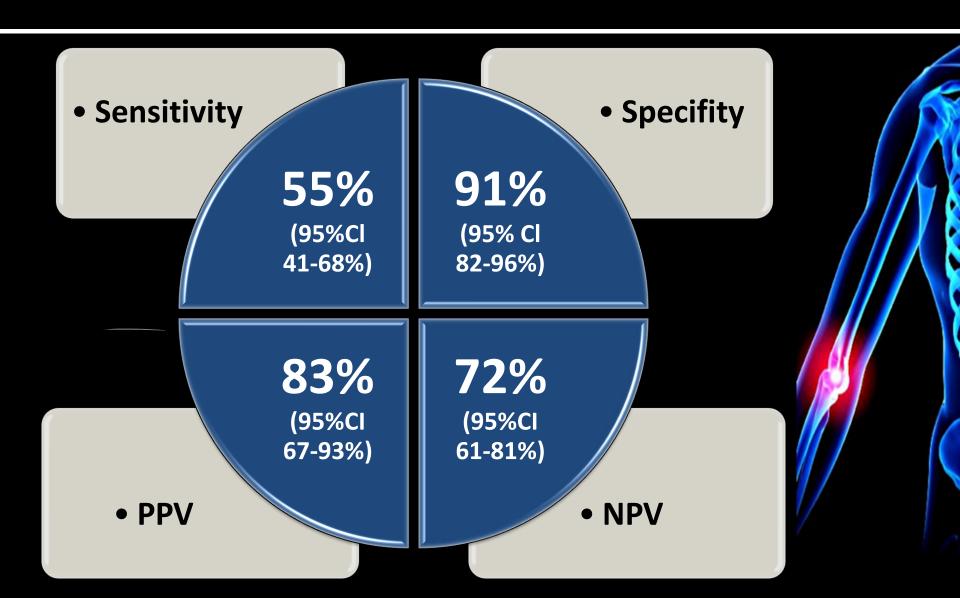
NPV

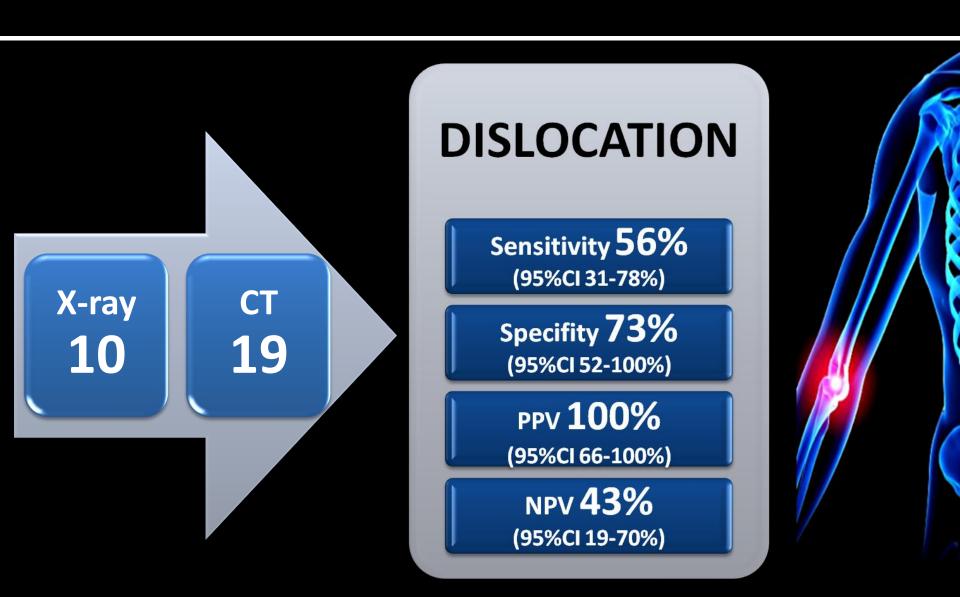


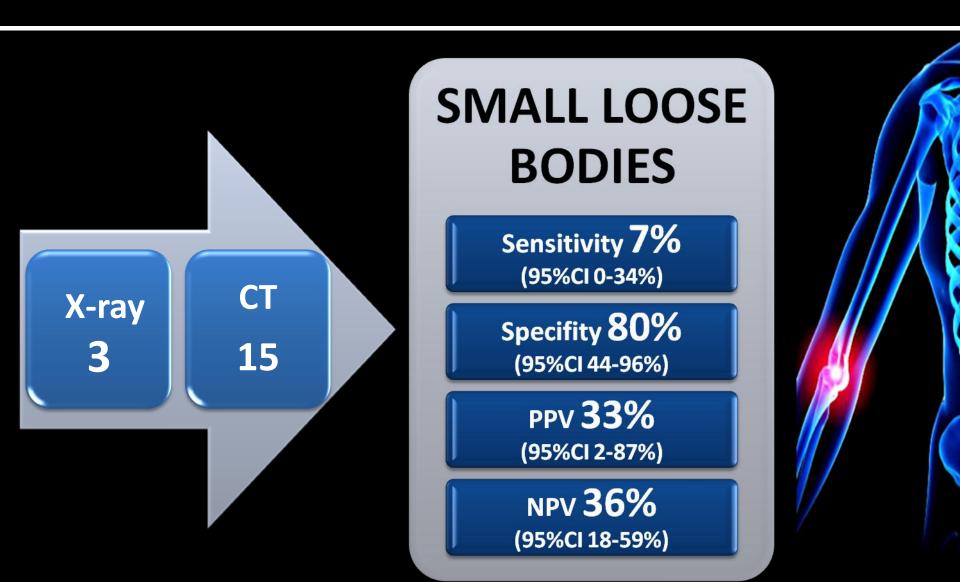


Location of fracture lines





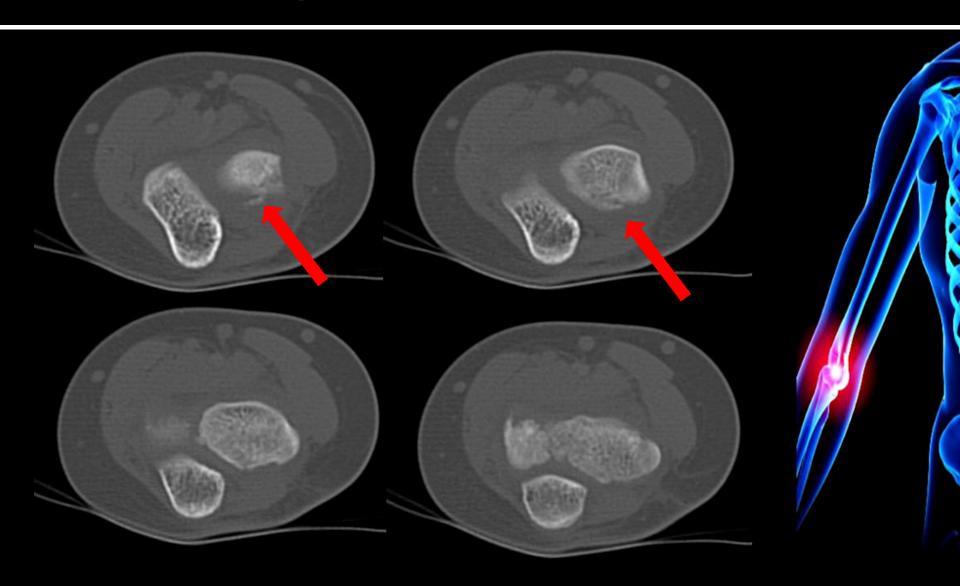




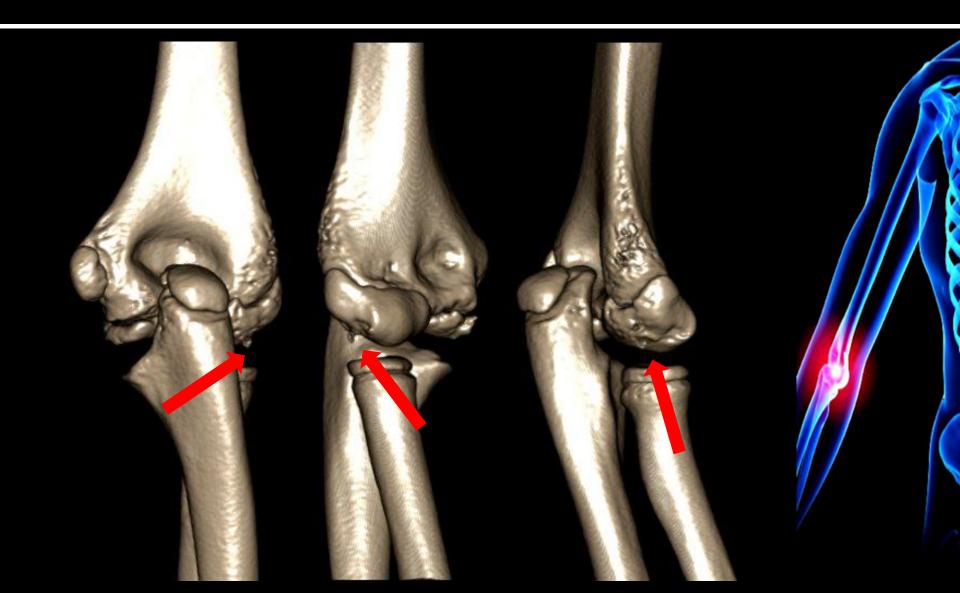
Girl, 10 year old



Girl, 10 year old



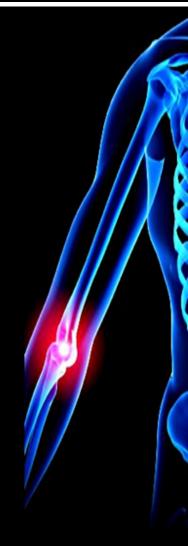
Girl, 10 year old



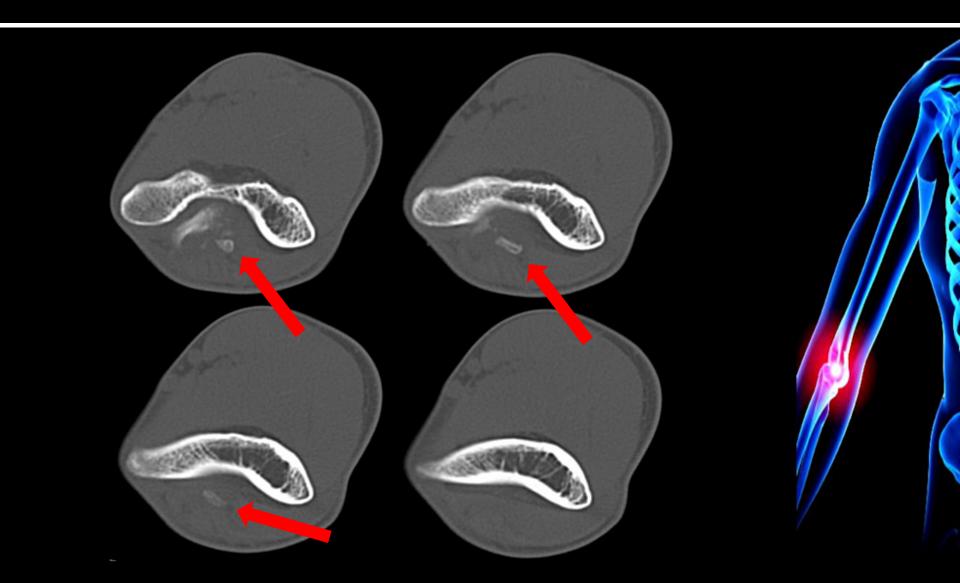
Boy, 17 year old



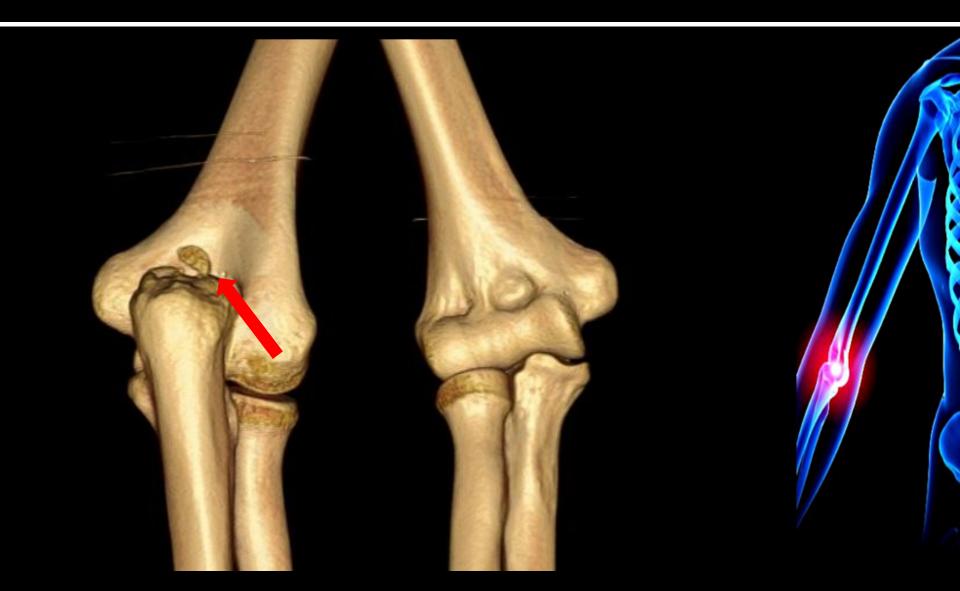




Boy, 17 year old



Boy, 17 year old



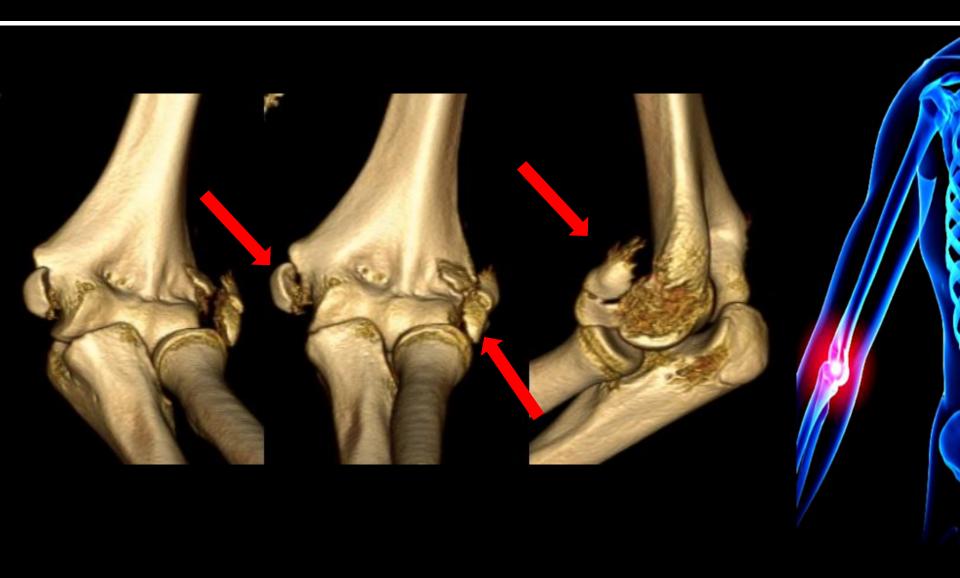
Boy, 14 year old



Boy, 14 year old



Boy, 14 year old



Applications

- CT is necessary in case of equivocal radiograph scans
- CT is superior to conventional radiography in the assessment of the position of fracture lines
- CT is significantly more valuable in diagnosing elbow traumas in children

THANK YOU FOR YOUR ATTENTION

