#### Dr Kwan Yeoh

www.orthosports.com.au

47-49 Burwood Road, Concord 29-31 Dora Street, Hurstville 119-121 Lethbridge Street, Penrith



A refresh on scaphoid fracture management



## Scaphoid anatomy

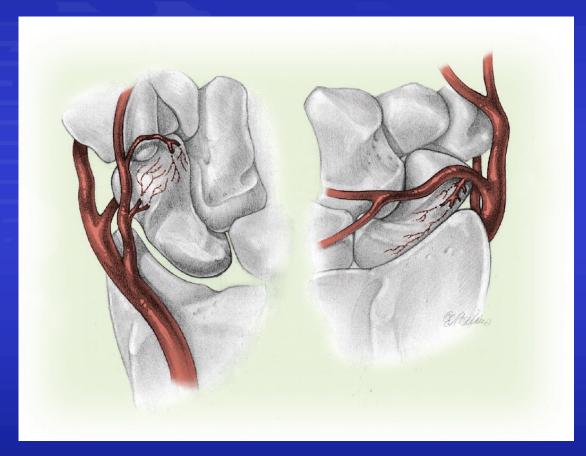






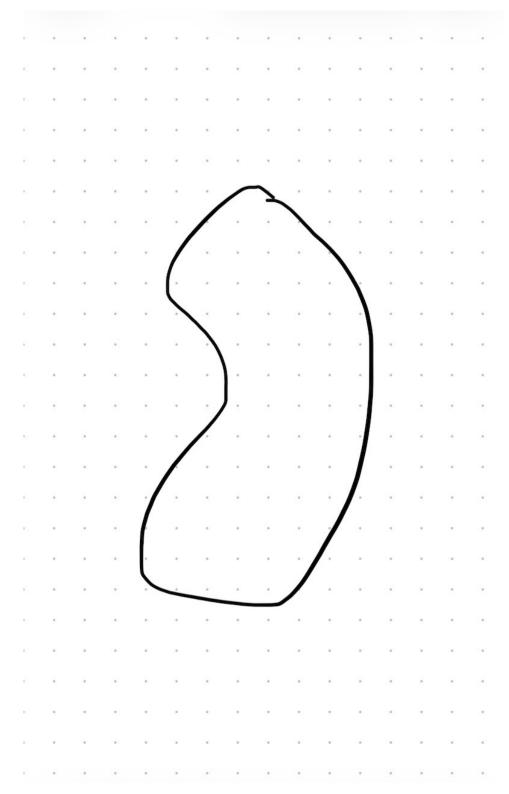


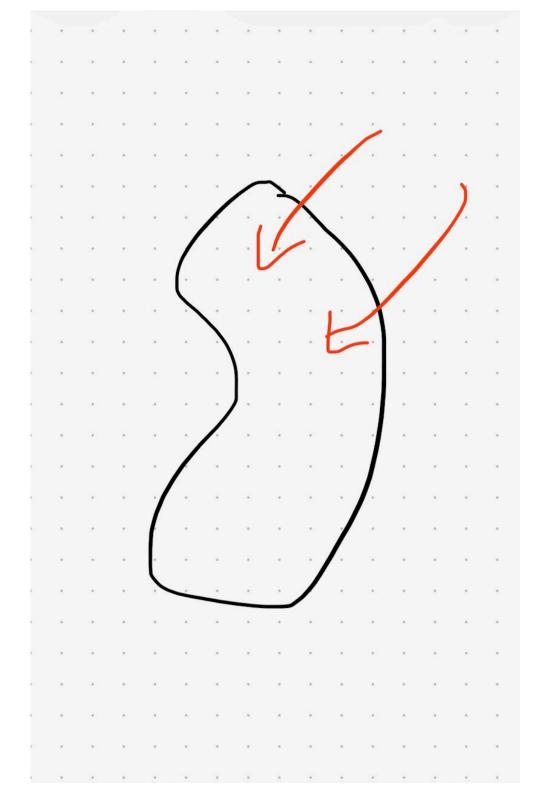
## Vascular supply

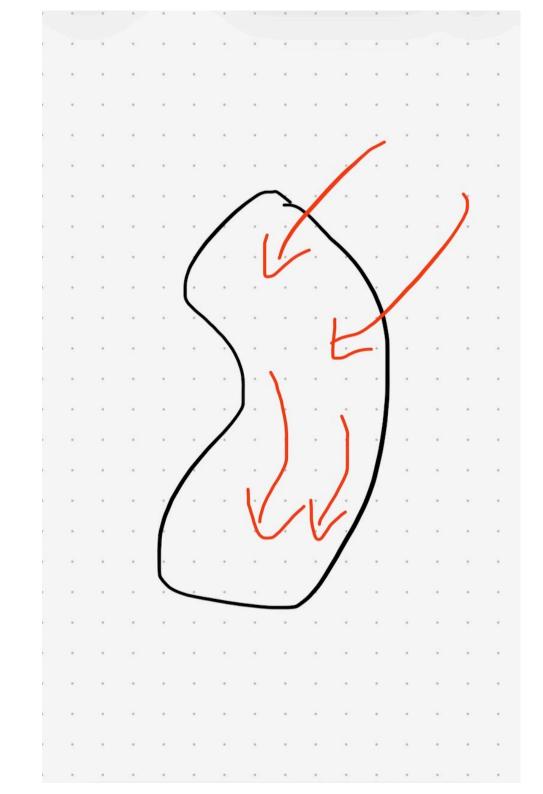


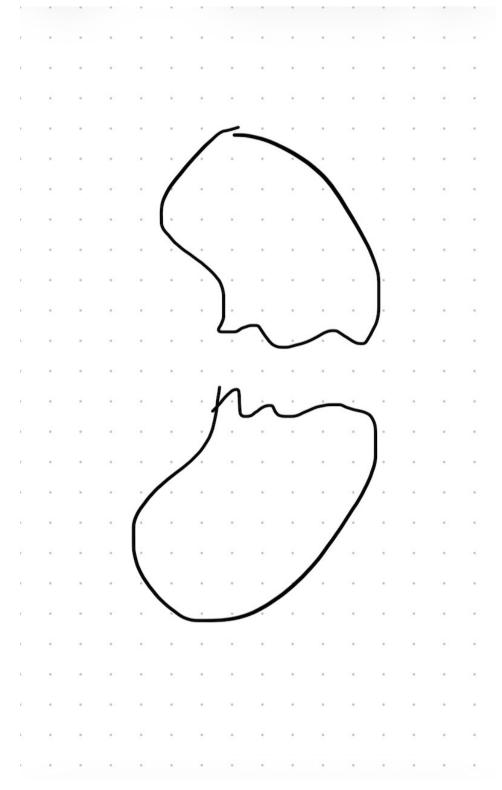
Geissler WB, Slade JF. chapter 18 - Fractures of the Carpal Bones. Sixth Edition. Green's Operative Hand Surgery. Elsevier Inc; 2011. 69 p.

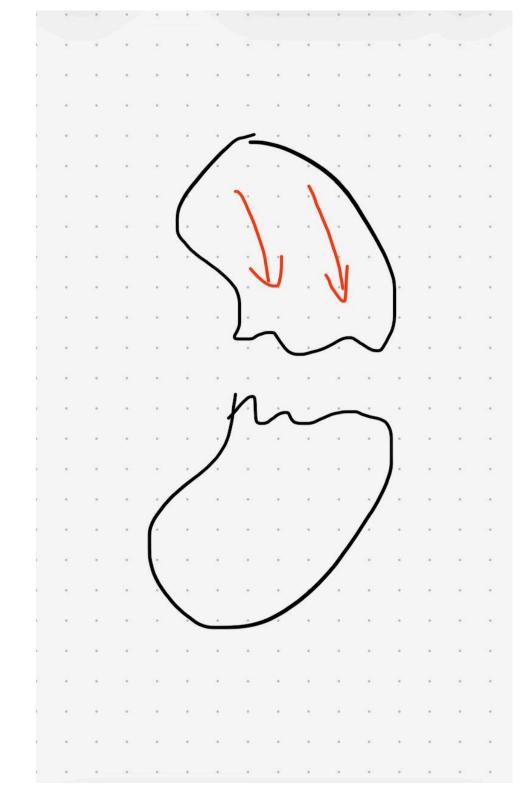


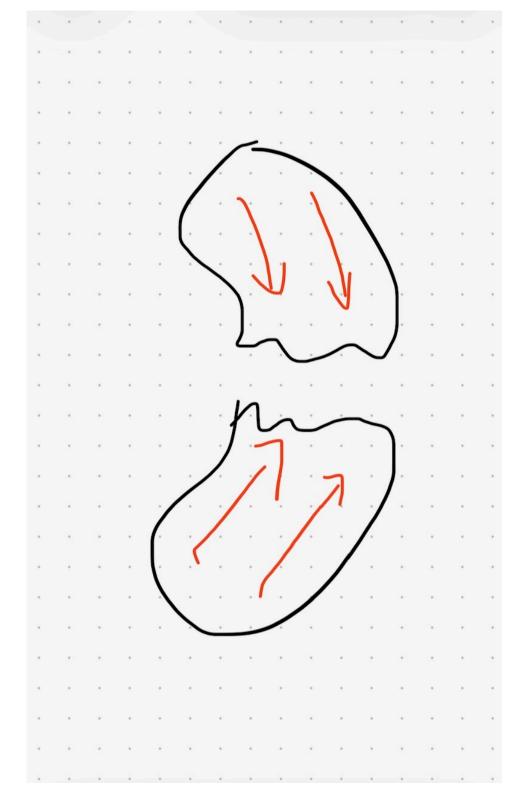


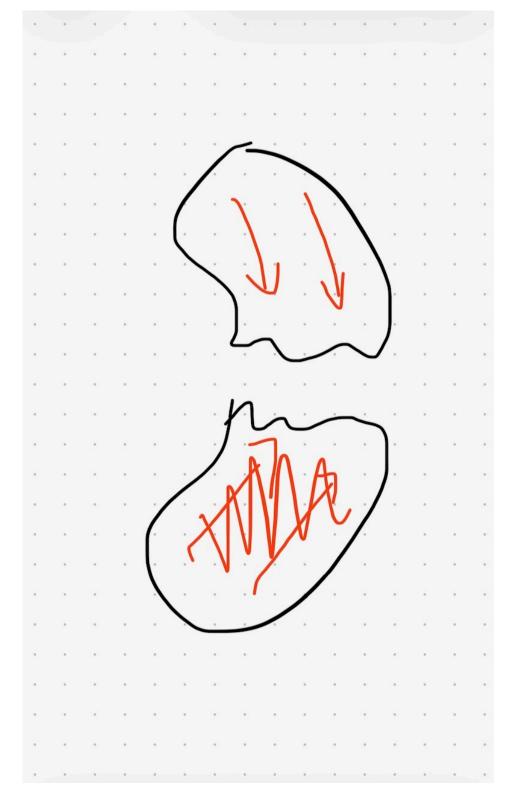


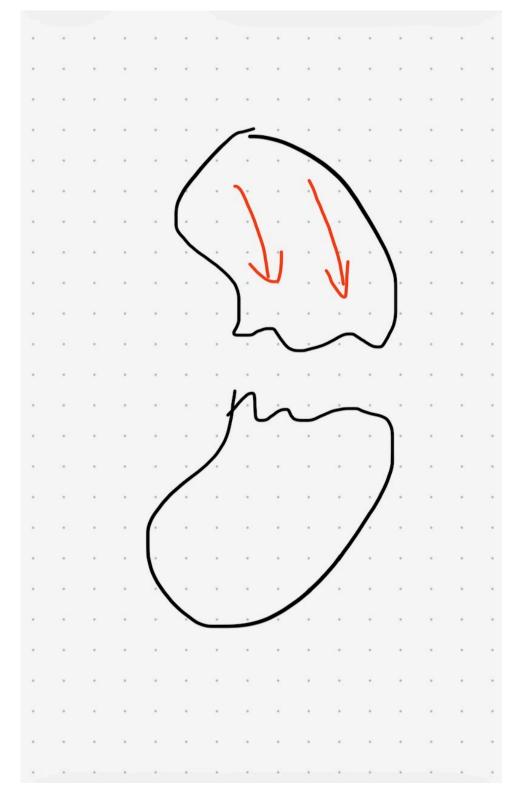


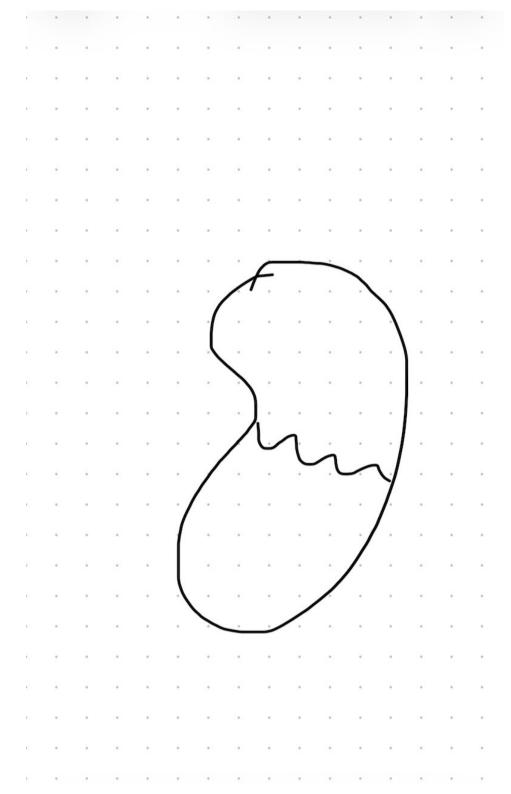


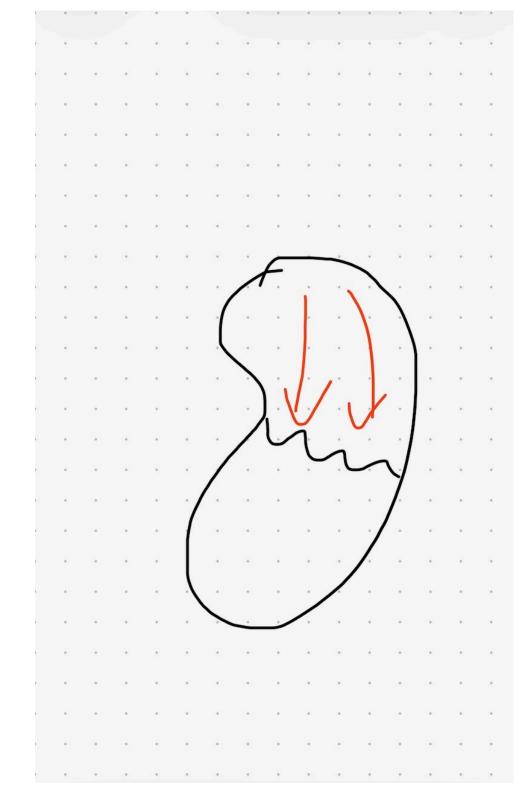


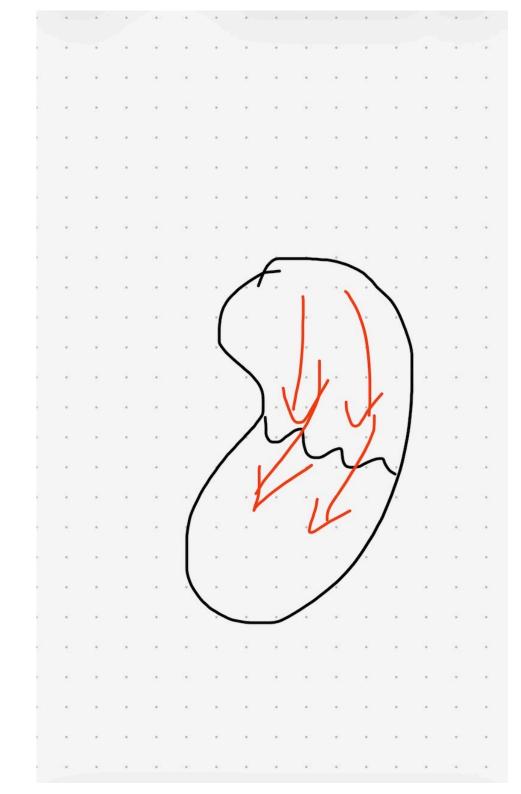












# Acute scaphoid fractures



## History & examination

How?

When?

What?

Where?







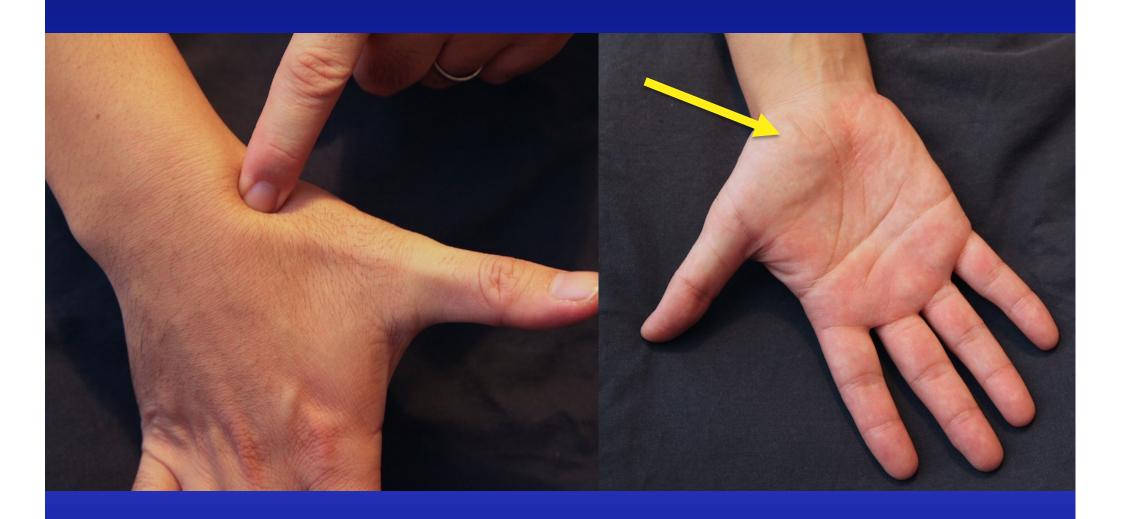




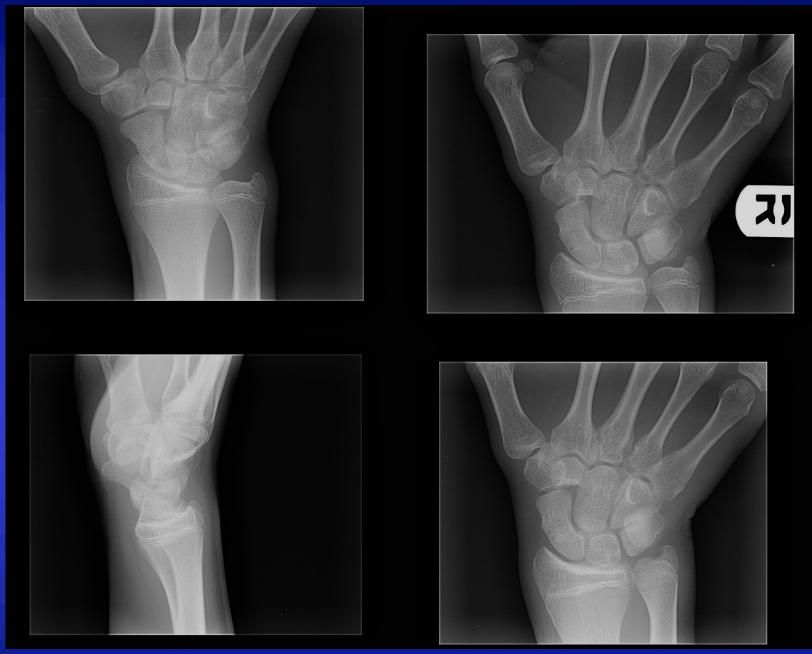






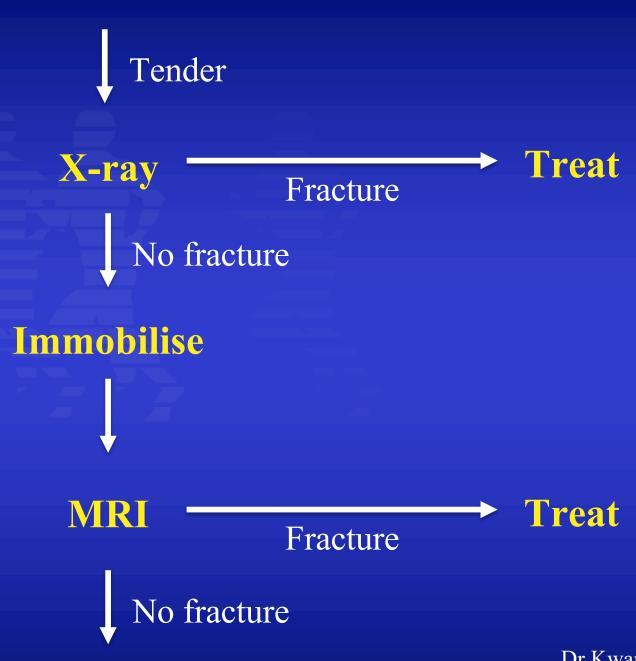








#### **Examination**





Celebrate





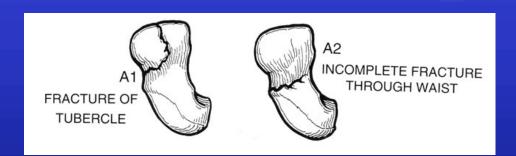
Dr Kwan Yeoh Hand, Wrist & Upper Limb Surgery

#### Treatment



# Stable

Low nonunion rate



# Unstable

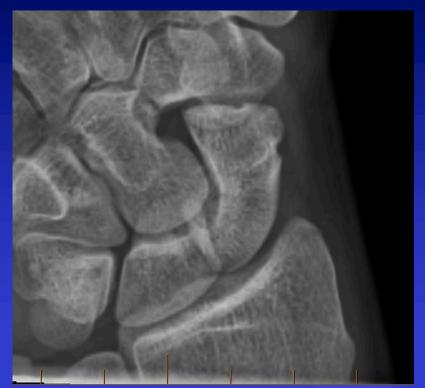


High nonunion rate

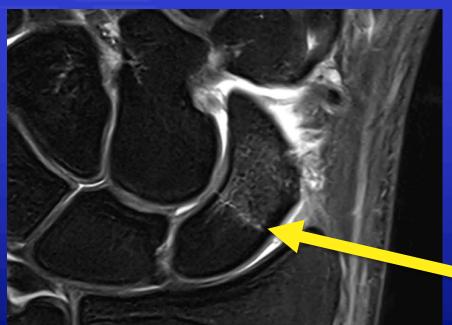


Surgical fixation

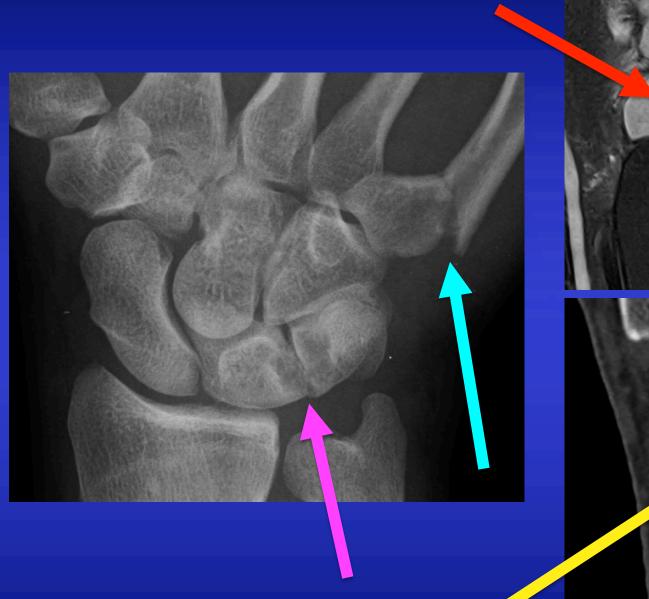










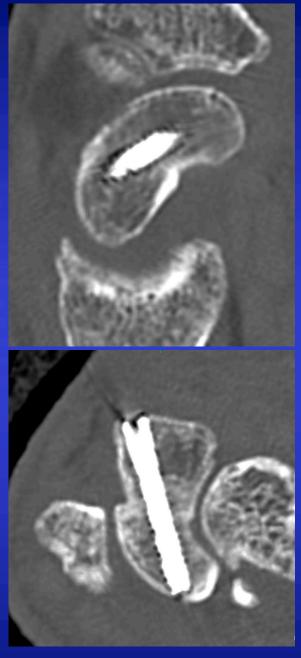








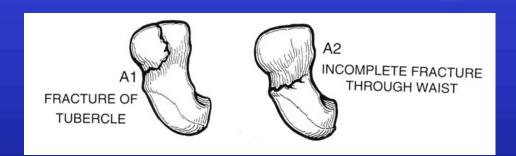




Dr Kwan Yeoh Hand, Wrist & Upper Limb Surgery

# Stable

Low nonunion rate



# Unstable



High nonunion rate



Surgical fixation



# Undisplaced waist fracture

# **Consider surgery**

Why?

Quicker return to function Quicker return to work (Fracture union rate?) Why not?

More complications

No difference

Pain levels
Cost



# Chronic presentation



### Investigations

X-ray 🗸

CT 🗸

MRI

Other



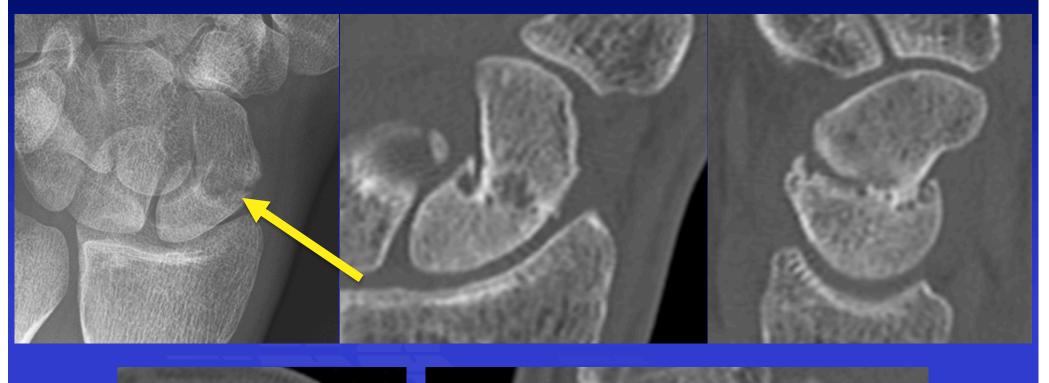
#### Treatment

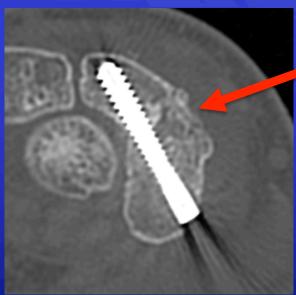
Operative

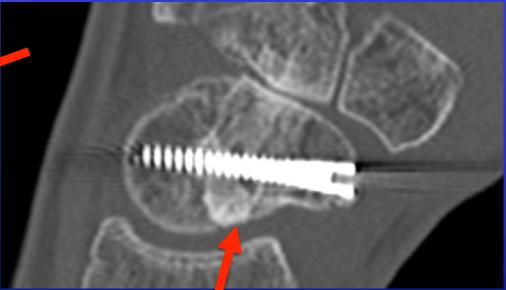
Non-operative

Other









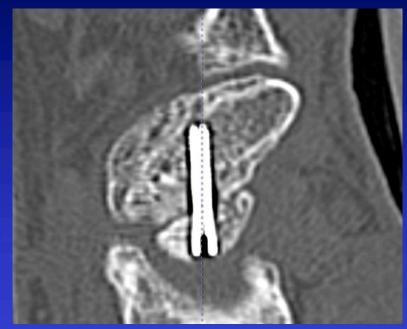




ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Hand, Wrist & Upper Limb Surgery











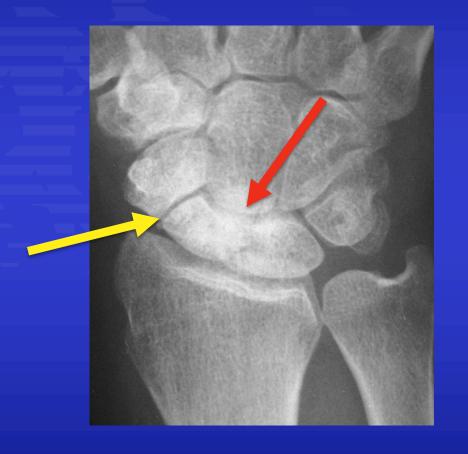
Dr Kwan Yeoh Hand, Wrist & Upper Limb Surgery

### Non-operative treatment

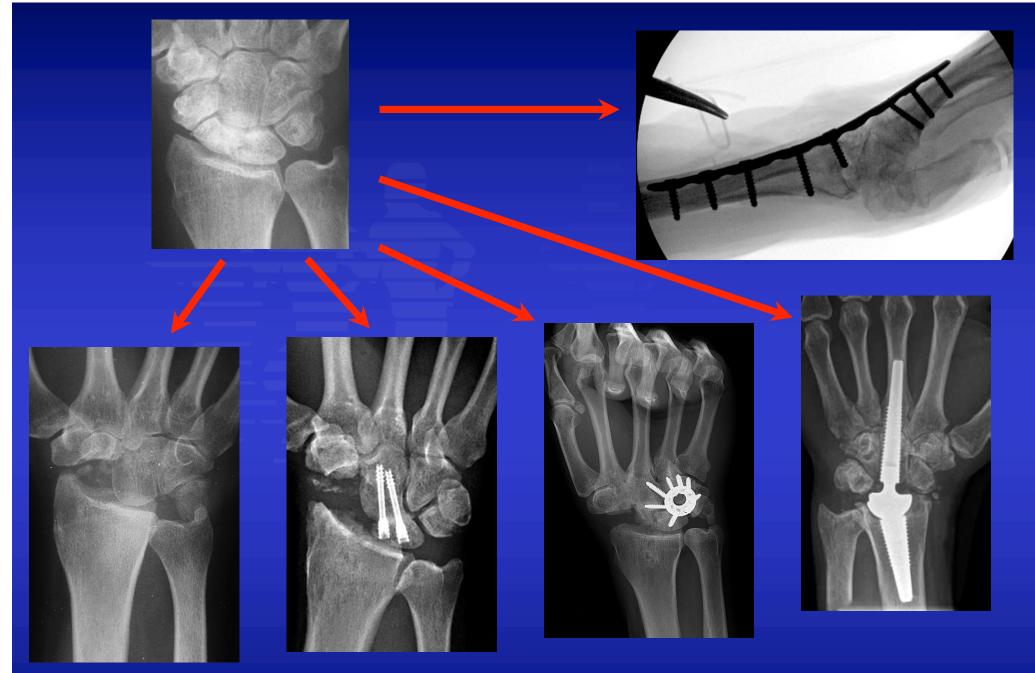




# SNAC Scaphoid Non-union Advanced Collapse









Strauch RJ. Scapholunate advanced collapse and scaphoid nonunion advanced collapse arthritis--update on evaluation and treatment. The Journal of Hand Surgery. 2011 Apr;36(4):729–35.

Motec product information brochure

#### Take-home messages

Careful history & examination

Proper imaging: XR & MRI

Consider fixation for undisplaced fractures



# Thank you

