



Myth or Truth; delay in presentation is the norm in children presenting in 2013 to the orthopaedic department, NRH, SI

Stephen Kodovaru PIOA trainee National Referral Hospital Honiara, Solomon Islands

Declaration of Interest

I declare that in the past three years I have:

•held shares in: NIL

•received royalties from: NIL

done consulting work for: NIL

•given paid presentations for: NIL

received institutional support from: Orthopaedic Outreach
Signed:

Background

- No studies done in SI on elbow fractures in children
- Anecdotal evidence of delayed and / or neglected fractures



Population: 550,000 est 9 Provinces



AIMS

- To determine the epidemiology and management of elbow fractures in children.
- To investigate the magnitude and causes of delayed elbow fracture presentations

METHOD

- Retrospective survey
- Trauma Data Base
- Admission register
- OT register
- Imaging PACS

METHOD

- Inclusion criteria:
- all patients under 16 years with elbow fractures presenting to fracture clinic from January – December 2013
- exclusion- none
- Analysis by Excel spread sheet

RESULTS

• N=78 ELBOW FRACTURES







ELBOW FRACTURES BY TYPE



- Supracondylar
- Lateral epicondyle
- Medial epicondyle
- Capitulum
- Radial
- Olecranon









ELBOW FRACTURES BY AGE GROUPS





Days of the week when injury occurs

Time of injury(n=48)





Type of tree associated with the fall

Trees types(n=18)



ELBOW FRACTURES BY MONTHS IN 2013





ELBOW FRACTURES BY MONTHS IN 2013



ASSOCIATED INJURIES

elbow + associated fractures(n=10)





SUPRACONDYLAR # GARTLANDS CLASSIFICATION



MANAGEMENT

ELBOW FRACTURES BY TREATMENT

ORIF MUA ELBOW SLING PERCUTANEOUS KWIRE



Delayed presentation



Post reduction



TIME FROM INJURY TO PRESENTATION

Delayed presentation to hospital by days





Surgery waiting time

Chart showing cases(N=44) vs days waiting for surgery





- So delay presentation is only part of the truth
- Surgery delay is compounded by our inability to access theatre

 We need to improve how we advocate for these children so as to give them the best outcome

Recommendation

 Longer prospective study looking at treatment outcomes as well

Taqiu tumas (thank you very much)

