

CROSSFIRE:
**Combined Randomised and Observational
Study of Surgery in Fractures of the distal
Radius in the Elderly**



Background

- Distal radius fracture common, particularly in ages 50+
- 2 main treatments (surgical versus non-surgical)
 - Practice variation
 - Cost difference
 - Lack of clear evidence of superiority of surgery

Study overview

- P: low energy wrist fractures in people aged 60+ (Colles' fractures)
- I: surgical fixation using volar locked plate (usual surgical treatment)
- C: closed reduction and plaster (usual non-op treatment)
- O: Patient Rated Wrist Evaluation at 12 months
- Other outcomes: pain, bother, radiographic, quality of life, adverse events, resource utilisation

Methods

- Pragmatic design (treatment techniques)
- Telephone randomisation (automated – NMMRC CTC)
- Telephone follow up (blinded research officer)
- GCP requirements

Supplementary information

- Investigator video (youtube.com/watch?v=DBx89JQHvRY&t=4s)

or search “crossfire investigator video”

- Participant video (in production – consumer input)

Study funding

- NHMRC Project Grant
- Lincoln Foundation
- AOA Research Foundation
- AO Trauma Asia Pacific

Current status

- **7 sites open** (Mackay Base Hospital, Liverpool Hospital, JHH, Canberra Hospital, Nambour Hospital, RAH, POWH, Epworth Healthcare, Townsville Hospital and Wellington Hospital)
- **Few sites awaiting to hear from RGO** (St George Hospital, Sutherland Hospital, Royal Melbourne Hospital, Western Health, Barwon Health, Concord Hospital and Fiona Stanley Hospital)
- **Most other sites working to finalise their SSAs**

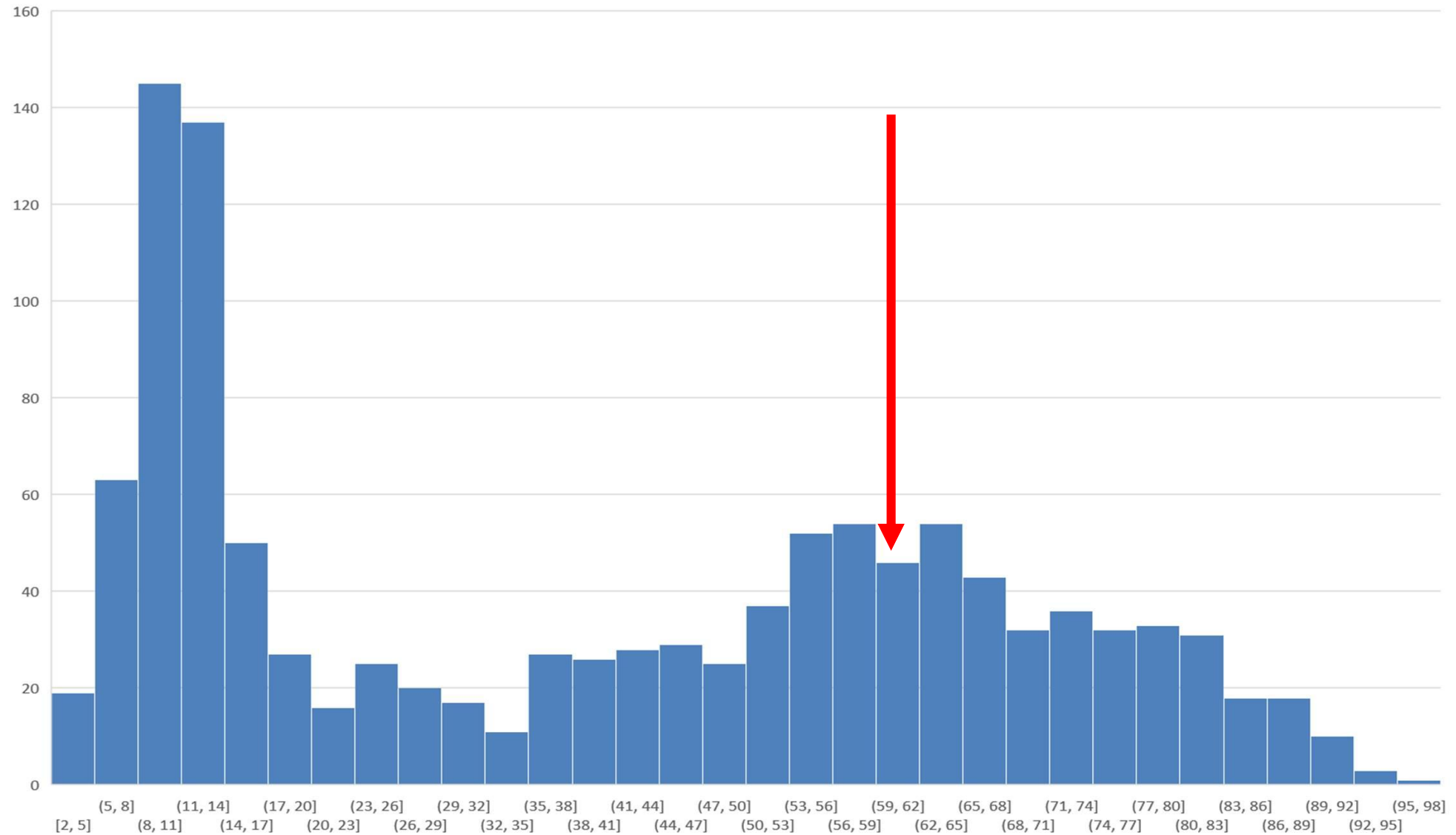
Current status

- Registered with ANZCTR (prior to commencement)
- 15 patients recruited (5 randomised: 10 observational)
- Protocol accepted for publication in BMJ Open
 - Pending ANZMUSC endorsement

Oversight

- Monthly investigator meetings

Cut-off age now 60 – all sites



Of note:

- Similar trial underway in UK
- Similar criteria and treatment arms, but all ages (18+)
- Communication between PIs

Timeline

- Aim to finish recruitment by end 2018
- Analysis and reporting 2019
- Long term outcomes (up to 10 years) if funded