Appendix 1 to Thomas K, Wood T, Farrokhyar F, et al. A survey of current practices and preferences for internal fixation of displaced olecranon fractures. *Can J Surg* 2015.

DOI: 10.1503/jpn.014614

Preferences for internal fixation of olecranon fractures in the adult population

1. Which environment are you currently working in?

- [ ] Academic Centre
- [ ] Community Hospital

2. How many olecranon fractures do you typically treat in one year?

- ○ 0-10
- ○ 10-20
- ○ 20-30
- ○ 30-40
- ○ >40

3. What is your preferred method for the internal fixation of a displaced noncomminuted (Mayo Class IIa) olecranon fracture?

- ○ Compression plating
- ○ Tension band wiring
- ○ Intramedullary nail fixation
- ○ Other (please specify)

4. What is your preferred method for the internal fixation of a displaced comminuted (Mayo Class IIb) olecranon fracture?

- ○ Compression plating
- ○ Tension band wiring
- ○ Intramedullary nail fixation
- ○ Other (please specify)

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5. Please rate the following factors according to their impact on your preferred management of olecranon fractures. Please specify how each factor impacts your management decisions.

	0 (No Impact)	1	2	3	4 (Major factor impacting management decision)
Fracture Morphology	○	○	○	○	○
How does this factor impact practice?					
Displacement	○	○	○	○	○
How does this factor impact practice?					
Comminution	○	○	○	○	○
How does this factor impact practice?					
Bone quality	○	○	○	○	○
How does this factor impact practice?					
Length of operative time	○	○	○	○	○
How does this factor impact practice?					
Patient factors	○	○	○	○	○
How does this factor impact practice?					
Cost	○	○	○	○	○
How does this factor impact practice?					

6. Which factors would deter you from using compression plating for displaced noncomminuted (Mayo Class IIa) olecranon fractures?

- ☐ Decreased time required for alternative methods of fixation (i.e. tension band wiring)
- ☐ Better outcomes experienced by patients with other methods
- ☐ Alternative constructs provide more stability
- ☐ Increased patient satisfaction with alternative methods
- ☐ No factors would deter me from using compression plating
- ☐ Other (please specify)

7. Which factors would deter you from using tension band wiring for the fixation of displaced comminuted (Mayo Class IIb) olecranon fractures?

- ☐ Better rate of union with alternative methods
- ☐ Hardware prominence
- ☐ Increased stability obtained with alternative methods
- ☐ Increased patient satisfaction with other methods
- ☐ No factors would deter me from using tension band wiring
- ☐ Other (please specify)

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8. What is the biggest complication you experience when using tension band wiring fixation?

- ○ Symptomatic prominence of K-wire
- ○ Hardware failure
- ○ Fracture displacement
- ○ Infection
- ○ Decreased range of motion
- ○ Other (please specify)

9. What is the biggest complication that you experience when using compression plating?

- ○ Symptoms requiring hardware removal
- ○ Hardware failure
- ○ Fracture displacement
- ○ Infection
- ○ Decreased range of motion
- ○ Other (please specify)

10. Thank you for taking the time to complete this survey. Please include any further comments below.

Done