

## Supplementary material

**Table i.** Outline of survey administered

### Part 1: Demographics

1. In which continent do you currently practice?	Africa Asia Australia Europe North America South America
2. In which age range do you fall?	30 to 34 35 to 39 40 to 44 45 to 49 50 to 54 55 to 59 60 to 64 65+
3. Gender	Male Female Prefer Not to Disclose (textbox provided)
4. Number of years in practice	Yes
5. Do you currently supervise residents in training?	No
6. Current practice types (select all that apply)	Academic Community Private Public
7. Did you obtain fellowship training in any of the following fields of expertise? (select all that apply)	Trauma Hip and Knee Reconstruction Total Joint Reconstruction Upper Extremity Sports Medicine Spine Foot and Ankle Pediatrics Oncology None Other (please specify)
8. I hold a graduate degree in clinical research.	Yes No

### Part 2: Practice Guidelines

9. The judicious integration of best-available research with patient values and clinical expertise is an important part of my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
10. Research published in a highly prestigious journal is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
11. Research published by highly skilled subspecialist surgeons is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
12. Research presented at a conference by highly skilled subspecialist surgeons is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
13. The opinions of my direct colleagues are likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree

(continued)

**Table i.** (Continued)

**Part 2: Practice Guidelines**

14. Information that I received during my fellowship training is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
15. Information that I received during my residency is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
16. Direct company-to-patient advertising is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
17. Pressure from patients is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
18. The economic impact of the proposed intervention is likely to influence my clinical decision-making.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
19. My surgical experience and personal preferences guide my practice more than research.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
20. I am likely to continue with the practices I developed during my training and currently use, independent of new research.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
21. I will most likely implement a proposed intervention that appears harmless to patients, independent of the literature supporting benefit.	Strongly Agree Agree Somewhat Agree Somewhat Disagree Disagree Strongly Disagree
22. For a study to influence your practice, how important are the following factors to you? – Journal name/ Impact Factor of the journal	Very Important Important Somewhat Important Not at all Important
23. For a study to influence your practice, how important are the following factors to you? - Profile of the study investigators	Very Important Important Somewhat Important Not at all Important
24. For a study to influence your practice, how important are the following factors to you? - Study design	Very Important Important Somewhat Important Not at all Important
25. For a study to influence your practice, how important are the following factors to you? - Study sample size	Very Important Important Somewhat Important Not at all Important
26. The results of the following study designs have the potential to influence a change in my clinical practice (select all that apply)	Case Control Studies Case Report Case Series Cohort Study Cross-Sectional Study Editorial Meta-Analysis Narrative Review Randomised Control Trial Systematic Review

(continued)

**Table i.** (Continued)

**Part 2: Practice Guidelines**

27. For a study to influence my clinical practice it would require a sample size of (select all that apply)	1 to 10 11 to 50 51 to 100 101 to 500 501 to 1000 >1001
28. For a study to influence my clinical practice the results should report (select all that apply)	95% Confidence Interval Absolute Risk Reduction Adjusted Analysis Mean Difference Minimally Important Difference Number Needed to Treat Odds Ratio P Value Relative Risk Reduction Sensitivity Analysis None of the Above
29. The study designs that has had the most profound impact on my practice in the last five years are (select all that apply)	Case Control Studies Case Report Case Series Cohort Study Cross-Sectional Study Editorial Meta-Analysis Narrative Review Randomised Control Trial Systematic Review

**Table ii.** Extrinsic factors of research studies affecting clinical decision-making

Item asked	Number (%) of respondents
The judicious integration of best-available research with patient values and clinical expertise is an important part of my clinical decision-making (total 337 responses)	
Strongly agree	180 (53)
Agree	117 (35)
Somewhat agree	27 (8)
Somewhat disagree	5 (1.5)
Disagree	3 (0.9)
Strongly disagree	5 (1.5)
Research published in a highly prestigious journal is likely to influence my clinical decision-making (total 337 responses)	
Strongly agree	105 (31)
Agree	139 (41)
Somewhat agree	23 (7)
Somewhat disagree	8 (2.4)
Disagree	4 (1.2)
Strongly disagree	3 (0.9)
Research published by highly skilled subspecialist surgeons is likely to influence my clinical decision-making (total 335 responses)	
Strongly agree	87 (26)
Agree	140 (42)
Somewhat agree	94 (28)
Somewhat disagree	8 (2.4)
Disagree	4 (1.2)
Strongly disagree	2 (0.6)
Research presented at a conference by highly skilled subspecialist surgeons is likely to influence my clinical decision-making (total 337 responses)	
Strongly agree	61 (18)
Agree	141 (42)
Somewhat agree	110 (33)
Somewhat disagree	12 (3.6)
Disagree	11 (3.3)
Strongly disagree	2 (0.6)
The opinions of my direct colleagues are likely to influence my clinical decision-making (total 336 responses)	
Strongly agree	41 (12)
Agree	124 (37)
Somewhat agree	139 (41)
Somewhat disagree	24 (7.1)
Disagree	6 (1.8)
Strongly disagree	2 (0.6)

(continued)

**Table ii.** (Continued)

<b>Item asked</b>	<b>Number (%) of respondents</b>
Information that I received during my fellowship training is likely to influence my clinical decision-making (total 313 responses)	
Strongly agree	68 (22)
Agree	125 (40)
Somewhat agree	96 (31)
Somewhat disagree	14 (4.5)
Disagree	5 (1.6)
Strongly disagree	5 (1.6)
Information that I received during my residency is likely to influence my clinical decision-making (total 336 responses)	
Strongly agree	68 (22)
Agree	125 (40)
Somewhat agree	96 (31)
Somewhat disagree	14 (4.5)
Disagree	5 (1.6)
Strongly disagree	5 (1.6)
Direct company-to-patient advertising is likely to influence my clinical decision-making (total 337 responses)	
Strongly agree	3 (0.9)
Agree	10 (3)
Somewhat agree	40 (12)
Somewhat disagree	58 (17)
Disagree	129 (38)
Strongly disagree	97 (29)
Pressure from patients is likely to influence my clinical decision-making (total 336 responses)	
Strongly agree	2 (0.6)
Agree	6 (1.8)
Somewhat agree	75 (22)
Somewhat disagree	100 (30)
Disagree	105 (31)
Strongly disagree	48 (14)
The economic impact of the proposed intervention is likely to influence my clinical decision-making (total 332 responses)	
Strongly agree	9 (2.7)
Agree	61 (18)
Somewhat agree	147 (44)
Somewhat disagree	41 (12)
Disagree	52 (16)
Strongly disagree	22 (6.6)
My surgical experience and personal preferences guide my practice more than the medical literature (total 336 responses)	
Strongly agree	23 (6.9)
Agree	70 (21)
Somewhat agree	120 (36)
Somewhat disagree	81 (24)
Disagree	37 (11)
Strongly disagree	5 (1.5)
I am likely to continue with the practices I developed during my training and currently use, independent of the literature (total 336 responses)	
Strongly agree	4 (1.2)
Agree	17 (5.1)
Somewhat agree	42 (13)
Somewhat disagree	108 (32)
Disagree	112 (33)
Strongly disagree	53 (16)
I will most likely implement a proposed intervention that appears harmless to patients, independent of the literature supporting benefit (total 334 responses)	
Strongly agree	3 (0.9)
Agree	11 (3.3)
Somewhat agree	62 (19)
Somewhat disagree	87 (26)
Disagree	120 (36)
Strongly disagree	51 (15)