

Appendix 1. Medical Student Orthopaedic Surgery Pre-Symposium Survey

<p>Demographic Questions</p> <p>What is your age?</p> <ul style="list-style-type: none">-20-24-25-29-30-34-35-39-≥40 <p>What year of medical school are you currently in?</p> <ul style="list-style-type: none">-MS1-MS2-MS3-MS4-Research Year-Other (please specify) <p>Where do/did you attend medical school?</p> <ul style="list-style-type: none">-United States Allopathic Medical School (MD)-United States Osteopathic Medical School (DO)-International medical graduate-Other (please specify) <p>What gender identity do you identify with?</p> <ul style="list-style-type: none">-Male-Female-Transgender female-Transgender male-Gender variant/non-conforming-Prefer not to answer <p>What is your race/ethnicity?</p> <ul style="list-style-type: none">-American Indian-Asian-Black, African American or African-Hispanic, Latino-Native Hawaiian or other Pacific Islander-White Caucasian-Multiple races/ethnicities-Prefer not to answer
<p>Interest in Orthopaedic Surgery Questions</p> <p>How likely are you to pursue a career in Orthopaedic Surgery?</p> <ul style="list-style-type: none">-Very certain-Most likely-Not likely-Not at all

-Not sure

Knowledge in Orthopaedic Surgery Questions

How familiar are you with all the Orthopaedic Surgery sub-specialties?

- Very knowledgeable
- Knowledgeable
- Neutral
- Little knowledge
- No knowledge

How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?

- Very knowledgeable
- Knowledgeable
- Neutral
- Little knowledge
- No knowledge

How knowledgeable are you about the Orthopaedic Surgery residency match process?

- Very knowledgeable
- Knowledgeable
- Neutral
- Little knowledge
- No knowledge

Research Experience Questions

How many research experiences have you had in any field of medicine?

- 0
- 1
- 2
- 3 to 4
- ≥ 5

Prior to this symposium, how many research posters or presentations have you had accepted to conferences in any field of medicine?

- 0
- 1 to 3
- 4 to 6
- 7 to 9
- ≥ 10

How many publications in peer-reviewed journals in any field of medicine have you had accepted?

- 0
- 1 to 3
- 4 to 6
- 7 to 9
- ≥ 10

Mentorship Questions

Do you have a mentor in the field of Orthopaedic Surgery?

-Yes

-No

What are you looking for a mentor to provide? (check all that apply)

- Advice regarding away rotations

- Guidance about the Orthopaedic Surgery match process

- Opportunities to network and meet other people in a specific Orthopaedic Surgery subspecialty

- Provides research opportunities

Appendix 2. Medical Student Orthopaedic Surgery Post-Symposium Survey

Interest in Orthopaedic Surgery Questions
How likely are you to pursue a career in Orthopaedic Surgery? -Very certain -Most likely -Not likely -Not at all -Not sure
Knowledge in Orthopaedic Surgery Questions
How familiar are you with all the Orthopaedic Surgery sub-specialties? -Very knowledgeable -Knowledgeable -Neutral -Little knowledge -No knowledge
How knowledgeable are you about the daily life of an Orthopaedic Surgery resident? -Very knowledgeable -Knowledgeable -Neutral -Little knowledge -No knowledge
How knowledgeable are you about the Orthopaedic Surgery residency match process? -Very knowledgeable -Knowledgeable -Neutral -Little knowledge -No knowledge
Additional Questions
Which barriers, if any, have you faced to presenting any orthopaedic-related research this year? (check all that apply) -COVID-19 pandemic -Project submissions rejected -Other _____ -None
Do you plan to connect with medical students, residents, or attending physicians that you met at this Symposium (ex: follow on social media, send an email, etc)? -Yes -No
What sessions did you attend? (check all that apply) -Opening remarks with Dr. Lisa Cannada -Award-Winning Presentations -Breakout Sessions

- Resident Panel
- Program Director Panel
- Closing remarks with Dr. William Levine

How satisfied were you with the breakout room sessions?

- Very satisfied
- Somewhat satisfied
- Not satisfied

How satisfied were you with the resident and program director panels?

- Very satisfied
- Somewhat satisfied
- Not satisfied

How likely are you to recommend this symposium to someone else?

- Very likely
- Somewhat likely
- Not likely
- Not at all
- Not sure

What recommendations do you have to improve the symposium in the future (optional)?

Appendix 3. Interest and Knowledge in Orthopaedic Surgery for Non-Matched Participants

Questions ^a	Pre-Survey (N=563)	Post-Survey (N=462)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	331 (58.8)	295 (63.9)
Most Likely	175 (31.1)	127 (27.5)
Not Likely	16 (2.8)	10 (2.2)
Not at All	4 (0.7)	2 (0.4)
Not sure	34 (6.0)	28 (6.1)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	63 (11.2)	73 (15.8)
Knowledgeable	352 (62.5)	283 (61.3)
Neutral	101 (17.9)	52 (11.3)
Little Knowledge	32 (5.7)	18 (3.9)
No Knowledge	6 (1.1)	1 (0.2)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	53 (9.4)	69 (14.9)
Knowledgeable	246 (43.7)	283 (61.3)
Neutral	179 (31.8)	58 (12.6)
Little Knowledge	69 (12.3)	17 (3.7)
No Knowledge	7 (1.2)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	68 (12.1)	89 (19.3)
Knowledgeable	257 (45.6)	261 (56.5)
Neutral	153 (27.2)	63 (13.6)
Little Knowledge	61 (10.8)	12 (2.6)
No Knowledge	15 (2.7)	2 (0.4)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 4. Interest and Knowledge in Orthopaedic Surgery for Matched Participants Aged Less than 30

Questions ^a	Pre-Survey (N=270)	Post-Survey (N=270)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	165 (61.1)	163 (60.4)
Most Likely	83 (30.7)	84 (31.1)
Not Likely	5 (1.9)	6 (2.2)
Not at All	1 (0.4)	1 (0.4)
Not sure	16 (5.9)	16 (5.9)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	35 (13.0)	47 (17.4)
Knowledgeable	173 (64.1)	176 (65.2)
Neutral	44 (16.3)	36 (13.3)
Little Knowledge	16 (5.9)	11 (4.1)
No Knowledge	2 (0.7)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	25 (9.3)	45 (16.7)
Knowledgeable	124 (45.9)	182 (67.4)
Neutral	88 (32.6)	36 (13.3)
Little Knowledge	31 (11.5)	7 (2.6)
No Knowledge	2 (0.7)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	34 (12.6)	62 (23.0)
Knowledgeable	141 (52.2)	172 (63.7)
Neutral	69 (25.6)	31 (11.5)
Little Knowledge	22 (8.1)	4 (1.5)
No Knowledge	4 (1.5)	1 (0.4)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 5. Interest and Knowledge in Orthopaedic Surgery for Matched Participants in First and Second Year of Medical School

Questions ^a	Pre-Survey (N=138)	Post-Survey (N=138)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	61 (44.5)	63 (45.7)
Most Likely	66 (47.4)	65 (47.1)
Not Likely	1 (0.7)	1 (0.7)
Not at All	0 (0.0)	0 (0.0)
Not sure	10 (7.3)	9 (6.5)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	12 (8.8)	18 (13.0)
Knowledgeable	91 (65.7)	92 (66.7)
Neutral	22 (16.1)	20 (14.5)
Little Knowledge	12 (8.8)	8 (5.8)
No Knowledge	1 (0.7)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	5 (3.6)	13 (9.4)
Knowledgeable	52 (37.2)	93 (67.4)
Neutral	56 (40.9)	25 (18.1)
Little Knowledge	23 (16.8)	7 (5.1)
No Knowledge	2 (1.5)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	12 (8.8)	28 (20.3)
Knowledgeable	59 (42.3)	82 (59.4)
Neutral	44 (32.1)	22 (15.9)
Little Knowledge	19 (13.9)	5 (3.6)
No Knowledge	4 (2.9)	1 (0.7)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 6. Interest and Knowledge in Orthopaedic Surgery for Matched Participants in Third and Fourth Year of Medical School

Questions ^a	Pre-Survey (N=122)	Post-Survey (N=122)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	91 (74.6)	89 (73.6)
Most Likely	21 (17.2)	21 (16.5)
Not Likely	4 (3.3)	5 (4.1)
Not at All	1 (0.8)	1 (0.8)
Not sure	5 (4.1)	6 (5.0)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	19 (15.6)	25 (20.7)
Knowledgeable	77 (63.1)	78 (63.6)
Neutral	23 (18.9)	16 (13.2)
Little Knowledge	3 (2.5)	3 (2.5)
No Knowledge	0 (0.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	16 (13.1)	28 (23.1)
Knowledgeable	65 (53.3)	83 (67.8)
Neutral	33 (27.0)	10 (8.3)
Little Knowledge	8 (6.6)	1 (0.8)
No Knowledge	0 (0.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	18 (14.8)	27 (22.3)
Knowledgeable	73 (59.8)	84 (69.4)
Neutral	27 (22.1)	9 (7.4)
Little Knowledge	4 (3.3)	1 (0.8)
No Knowledge	0 (0.0)	0 (0.0)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 7. Interest and Knowledge in Orthopaedic Surgery for Matched Participants in United States Allopathic Medical Schools

Questions ^a	Pre-Survey (N=235)	Post-Survey (N=235)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	140 (59.6)	141 (60.0)
Most Likely	77 (32.8)	74 (31.5)
Not Likely	5 (2.1)	6 (2.6)
Not at All	1 (0.4)	1 (0.4)
Not sure	12 (5.1)	13 (5.5)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	32 (13.6)	44 (18.7)
Knowledgeable	147 (62.6)	149 (63.4)
Neutral	39 (16.6)	34 (14.5)
Little Knowledge	16 (6.8)	8 (3.4)
No Knowledge	1 (0.4)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	20 (8.5)	37 (15.7)
Knowledgeable	111 (47.2)	156 (66.4)
Neutral	74 (31.5)	34 (14.5)
Little Knowledge	28 (11.9)	8 (3.4)
No Knowledge	2 (0.9)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	28 (11.9)	49 (20.9)
Knowledgeable	125 (53.2)	151 (64.3)
Neutral	56 (23.8)	28 (11.9)
Little Knowledge	21 (8.9)	6 (2.6)
No Knowledge	5 (2.1)	1 (0.4)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 8. Interest and Knowledge in Orthopaedic Surgery for Matched Participants in United States Osteopathic Medical Schools or International Medical Schools

Questions ^a	Pre-Survey (N=58)	Post-Survey (N=58)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	45 (77.6)	43 (74.1)
Most Likely	9 (15.5)	12 (20.7)
Not Likely	1 (1.7)	1 (1.7)
Not at All	0 (0.0)	0 (0.0)
Not sure	3 (5.2)	2 (3.4)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	7 (12.1)	10 (17.2)
Knowledgeable	41 (70.7)	41 (70.7)
Neutral	8 (13.8)	4 (6.9)
Little Knowledge	2 (3.4)	3 (5.2)
No Knowledge	0 (0.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	6 (10.3)	12 (20.7)
Knowledgeable	28 (48.3)	42 (72.4)
Neutral	19 (32.8)	4 (6.9)
Little Knowledge	5 (8.6)	0 (0.0)
No Knowledge	0 (0.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	8 (13.8)	17 (29.3)
Knowledgeable	28 (48.3)	36 (62.1)
Neutral	20 (34.5)	5 (8.6)
Little Knowledge	2 (3.4)	0 (0.0)
No Knowledge	0 (0.0)	0 (0.0)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 9. Interest and Knowledge in Orthopaedic Surgery for Female Matched Participants

Questions^a	Pre-Survey (N=91)	Post-Survey (N=91)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	59 (64.8)	56 (61.5)
Most Likely	25 (27.5)	27 (29.7)
Not Likely	2 (2.2)	2 (2.2)
Not at All	1 (1.1)	1 (1.1)
Not sure	4 (4.4)	5 (5.5)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	13 (14.3)	18 (19.8)
Knowledgeable	58 (63.7)	60 (65.9)
Neutral	13 (14.3)	9 (9.9)
Little Knowledge	7 (7.7)	4 (4.4)
No Knowledge	0 (0.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	8 (8.8)	19 (20.9)
Knowledgeable	45 (49.5)	61 (67.0)
Neutral	24 (26.4)	9 (9.9)
Little Knowledge	14 (15.4)	2 (2.2)
No Knowledge	0 (0.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	11 (12.1)	21 (23.1)
Knowledgeable	42 (46.2)	59 (64.8)
Neutral	25 (27.5)	9 (9.9)
Little Knowledge	12 (13.2)	1 (1.1)
No Knowledge	1 (1.1)	1 (1.1)

^aThe values represent the number of participants, with the percentage indicated in parentheses.

Appendix 10. Interest and Knowledge in Orthopaedic Surgery for Male Matched Participants

Questions^a	Pre-Survey (N=200)	Post-Survey (N=200)
<i>Statement: How likely are you to pursue a career in Orthopaedic Surgery?</i>		
Very Certain	124 (62.0)	126 (63.0)
Most Likely	61 (30.5)	59 (29.5)
Not Likely	4 (2.0)	5 (2.5)
Not at All	0 (0.0)	0 (0.0)
Not sure	11 (5.5)	10 (5.0)
<i>Statement: How familiar are you with all the Orthopaedic Surgery sub-specialties?</i>		
Very Knowledgeable	26 (13.0)	36 (18.0)
Knowledgeable	127 (63.5)	127 (63.5)
Neutral	34 (17.0)	29 (14.5)
Little Knowledge	11 (5.5)	8 (4.0)
No Knowledge	2 (1.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the daily life of an Orthopaedic Surgery resident?</i>		
Very Knowledgeable	18 (9.0)	30 (15.0)
Knowledgeable	91 (45.5)	134 (67.0)
Neutral	68 (34.0)	30 (15.0)
Little Knowledge	21 (10.5)	6 (3.0)
No Knowledge	2 (1.0)	0 (0.0)
<i>Statement: How knowledgeable are you about the Orthopaedic Surgery residency match process?</i>		
Very Knowledgeable	24 (12.0)	44 (22.0)
Knowledgeable	109 (54.5)	126 (63.0)
Neutral	50 (25.0)	25 (12.5)
Little Knowledge	13 (6.5)	5 (2.5)
No Knowledge	4 (2.0)	0 (0.0)

^aThe values represent the number of participants, with the percentage indicated in parentheses.