Supplemental Table 1. Survey responses of expert surgeons on simulator as a training tool. The most common responses are indicated in bold.

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| --- | --- |
| Question and responses | Number of participants who selected this response |
| Q1. Are you involved in the planning or execution of the residency program? |  |
| **Yes, I am currently involved in training residents.** | **4** |
| No, but I was involved in training residents. | 1 |
| No, but I would like to get involved in training residents. | 0 |
| No, I am not interested in training residents. | 0 |
|   |   |
| Q2. How useful will this model be in augmenting residency training? |  |
| **Very useful. It will enable residents to learn surgical procedures much more easily.** | **3** |
| Useful. It will help residents learn surgical procedures. | 2 |
| Neutral. It may help residents learn surgical procedures. | 0 |
| Not very useful. It adds very little to the current training. | 0 |
| Not useful. It will mislead residents. | 0 |
|   |   |
| Q3. In your opinion, which features of this training model are the MOST important? (Please pick three options.) |   |
| **Anatomical accuracy (size, shape, geometrical features)** | **4** |
| Removable opaque skin covering | 2 |
| Soft tissue layer | 2 |
| Joints of the hand | 2 |
| **Cortical-cancellous bone interface (tactile feedback)** | **4** |
| Purchase of pin in bone | 2 |
| Other\_\_Concept of bone pinning/technique\_\_ | 1 |
|   |   |
| Q4. In your opinion, which features of this training model are the LEAST important? (Please pick three options.) |   |
| Anatomical accuracy (size, shape, geometrical features) | 2 |
| **Removable opaque skin covering** | **3** |
| Soft tissue layer | 2 |
| Joints of the hand | 1 |
| Cortical-cancellous bone interface (tactile feedback) | 0 |
| Purchase of pin in bone | 1 |
| Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 0 |
|   |   |
| Q5. Would you be interested in testing out the next iteration of the model? |   |
| **Yes, I see potential in this model as a training tool.** | **5** |
| Yes, I can spare some time to test it out. | 0 |
| Yes, if I have time. | 0 |
| No, I do not have time. | 0 |
| No, I think this is a waste of time. | 0 |
|   |   |
| Q6. Would you recommend this to a colleague who is a resident in training? |   |
| **Yes, I would go out of my way to recommend it.** | **3** |
| Yes, I would recommend it if asked. | 2 |
| No, I would not feel comfortable recommending it. | 0 |
|   |   |
| Q7. If you were leading the residency program, would you use it in resident training? |   |
| **Yes, I would use it as it is.** | **3** |
| Yes, there is potential in the model, and I would use it with further improvement. | 2 |
| Yes, if it is low-cost. | 0 |
| No, unless it is very minimal cost or a fraction of the cost of a cadaver. | 0 |
| No, it is not useful. | 0 |