## Section 1: Alignment and Interactions

**Q1: how would you rate the ease of aligning the kidney model with the tumour in the application?**

[] 1 (Not easy)

[] 2

[] 3

[✓] 4

[] 5 (very easy)

**Q2: How clear was the visualization of the kidney and the tumour in both the 3D and 2D video screens?**

[] 1 (Not clear)

[] 2

[] 3

[] 4

[✓] 5 (very clear)

**Q3: Were you able to clearly see the blood vessels in the video? Were you able to understand the surgical scene better by aligning the model?**

[] 1 (not clear)

[] 2

[] 3

[✓] 4

[] 5 (clear)

**Q4: Please rate the effectiveness of the 3D model in enhancing your understanding of the procedure:**

[] 1 (not effective)

[] 2

[] 3

[] 4

[✓] 5 (very effective)

**Q5: Please rate the effectiveness of using two hands to interact with the 3D model compared to using a single hand for the video screens interaction.**

[] 1 (less effective)

[] 2

[] 3

[] 4

[✓] 5 (very effective)

**Q6: Which did you find more helpful for understanding the anatomy and the surgical procedure - the 3D video screen or the 2D video screen? Please explain your choice.**

Reason: 3D video screen is more helpful due to the visualisation of anatomy with appropriate depth of field.

**Q7: Describe your experience interacting with the 3D anatomical patient model. What worked well, and what could be improved?**

Description: Interacting with the 3D anatomical model was easier due to the degree of freedom of anatomical model across multiple axis though the moment of model in the up-down axis wasn’t smooth compared to other axis, which can be improved.

## Section 2: Educational Value

**Q8: How effective do you think this application is for educating users about surgical cases**

[] 1 (not effective)

[] 2

[] 3

[] 4

[✓] 5 (effective)

**Q9: Compared to traditional learning methods (like textbooks or lectures), how effective do you find this mixed reality application in providing educational content?**

[] 1 (not effective)

[] 2

[] 3

[] 4

[✓] 5 (effective)

**Q10: What improvements or additional features would you suggest to enhance the educational value of this application?**

Suggestions: Providing well defined instruction to use this application or a user instruction video would reduce the time to understand the controls of virtual model. Providing a coordinate system/icon would provide the real time axis information of the model.

## Section 3: General Feedback

**Q11: What was your overall experience using this application? Feel free to include any additional comments or suggestions.**

Feedback: Overall experience was good. As I learned this test involved HoloLens version 1.0, I reckon next generation models would be more precise and accurate which would be more suitable to be involved in the field of medical. Though the version 1.0 is great for educational purposes. As this technology evolve to higher accuracy, HoloLens has the potential to conduct surgeries in association with robotics.

**Q12: In which of the following areas would you recommend using this platform?**

[] Practice Training

[✓] Medical and Patient Education

[] Surgery

[] Rehabilitation

[] Patient Treatment