

APPENDIX

PRE-STUDY QUESTIONNAIRE

Participant ID # _____

Date: _____

Level of Training?

R1 R2 R3 R4 R5 Staff Urologist

Gender?

Handedness?

Female

Male

Right

Left

Approximately how many RIGID cystoscopies have you performed?

None

<10

10-20

>20

Approximately how many TURPs have you performed?

0

<5

5-15

15-25

25-50

>50

Have you ever participated in simulation-based training for TURP?

Yes

No

Approximately how many TURBTs have you performed?

0

<5

5-15

15-25

25-50

>50

Have you ever participated in simulation-based training for TURBT?

Yes

No

Moore J, et al. A high-fidelity, virtual reality, transurethral resection of bladder tumor simulator: Validation as a tool for training

The most difficult parts of a TURBT to learn are:

Please indicate how strongly you agree/disagree with the following statements by marking in the appropriate box.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Cystoscopic training is adequate in my program					
I am confident in my cystoscopic skills					
I can independently complete a TURP					
I am competent in TURBT					
I can independently complete a TURBT					
High fidelity trainers should be used in Urology training program					
I want to have a TURBT trainer as part of the official Urology curriculum					

Moore J, et al. A high-fidelity, virtual reality, transurethral resection of bladder tumor simulator: Validation as a tool for training

POST-STUDY QUESTIONNAIRE

Participant ID # _____

Date: _____

Please indicate how strongly you agree/disagree with the following statements by marking in the appropriate box.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
Cystoscopic training is adequate in my program					
I am confident in my cystoscopic skills					
I feel more confident in my TURBT Skills after using the simulator					
I can independently complete a TURP					
I am competent in TURBT					
I can independently complete a TURBT					
The Urotrainer simulates all the steps of a TURBT					
The Urotrainer is a realistic model of a TURBT procedure.					
High fidelity trainers should be used in Urology training program					
I want to have a TURBT trainer as part of the official Urology curriculum					

Moore J, et al. A high-fidelity, virtual reality, transurethral resection of bladder tumor simulator: Validation as a tool for training

Please indicate how strongly you agree/disagree with the following statements by marking in the appropriate box.

The trainer adequately simulates the following aspects of a TURBT:

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a) Manipulating the cystoscope in a 3D space					
b) Moving the camera					
c) Fluid management					
d) Appearance of the bladder wall and tumor					
e) Movement of resectoscope					
f) Feedback during resection					
g) Depth of resection					
h) Impact of bladder distention on resection					
i) Control of bleeding/visualization					
j) Overall TURBT procedure					

The best aspect of the Urotrainer was:

The hardest part of using the Urotrainer was:

The Urotrainer was missing: