

Jobin & Assmus. Use of equipment whiteboard checklists in improving communication while reducing case cost during ureteroscopy

APPENDIX

Supplementary Figure 1. Ureteroscopy equipment whiteboard used in the study.



**Assessing Care Provider Perspectives on the Use of
Whiteboard Checklists in Ureteroscopy: Sample
Version of Equipment Whiteboard (REB25-0739)**

Checklist for Ureteroscopy Cases

Case Number: _____

SCOPES:

OPEN

IN ROOM

Rigid Cysto (on case cart)

Rigid Single Channel Ureteroscope

Rigid Double Channel Ureteroscope

Flexible Ureteroscope

WIRES:

Zip Wire

Sensor Wire

Super Stiff Amplatz Wire

EXTRAS:

8/10 Dilator

Navigator: Boston Sci or Cook

Laser (SIZE)

Stent (SIZE/BRAND)

Basket (TYPE)

Stent Grasper

Conray

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Supplementary Figure 2. Equipment accuracy scoring sheet.



Assessing Care Provider Perspectives on the Use of Whiteboard Checklists in Ureteroscopy: Equipment Scoring (REB25-0739)

Did you use the whiteboard in preparation for this procedure: A) Yes B) No
 What was the estimated length of the procedure (to the nearest minute in minutes): _____
 How many interruptions were experienced by the surgeon during the procedure relating to equipment issues: _____

For each equipment category below please indicate:

1. Whether the piece of equipment was present in some capacity (No = 0; Yes = 1)
2. Whether it was the version of the equipment asked for (No = 0; Yes = 1)
3. Whether there was extraneous equipment opened that was not asked for (Yes = 0; No = 1)

	Equipment Present?	Correct Version?	Unnecessary equipment?
1. Ureteroscope (ie. None/ Semi-rigid Long/ Semi-rigid Short/ Flexible)	_____	_____	_____
2. Wire (ie. None/ Zip/ Sensor/ Amplatz)	_____	_____	_____
3. Access Sheath (ie. None/ 11/13 36cm sheath/ 11/13 45cm/ 12/14 36cm)	_____	_____	_____
4. Ureteral Catheter (ie. None/ 6F open/ 8/10 dilater/ Hockey stick)	_____	_____	_____
5. Basket (ie. None/ 1.9F/ 2.2F/ 2.4F)	_____	_____	_____
Final scores (Each /5)	_____	_____	_____

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Supplementary Figure 3. Quality assurance questionnaire for OR staff.



Assessing Care Provider Perspectives on the Use of Whiteboard Checklists in Ureteroscopy: Questionnaire (REB25-0739)

Please complete the questionnaire below to the best of your abilities, if anything is unclear, please ask Dr. Assmus or email kaiden.jobin1@ucalgary.ca. All responses are anonymous, thank you!

What is your care provider role: A) Nurse B) Attending Surgeon C) Fellow D) Resident

Approximate number of years in this role (to nearest year): _____

Approximate number of years working in urology/ ureteroscopy surgery (to nearest year): _____

Approximate number of ureteroscopy surgeries previous involved in: A) <100 B) 100-500
C) 500-1000 D) >1000

Have you used the whiteboard for ureteroscopy equipment before: A) Yes B) No

If NO, please ONLY complete the pre-whiteboard section below

If YES, please complete BOTH the pre- and post-whiteboard sections below – try to recall your confidence prior to implementation of the whiteboard to the best of your ability for the pre- section

Pre-Whiteboard Perspectives

1 = 0% or not at all; 10 = 100% or perfectly

Pre-operatively

1. How confident are you that all equipment potentially required for the procedure is present in the operating room (1-10) _____
2. How confident are you that all required open equipment is present on the surgical table (1-10) _____
3. How confident are you that nothing unnecessary has been opened on the surgical table (1-10) _____
4. How well did the surgeon communicate what equipment was required (1-10) _____

Post-operatively

1. Do you think the surgical team communicated what equipment was required to a satisfactory level (1-10) _____
2. What can be done to improve the accuracy of equipment in these cases (select all that apply):
A) No change needed
B) Whiteboard with list of supplies for each case
C) Team huddle with entire OR team at start of day
D) Team huddle before each case
E) Other _____

Post-Whiteboard Perspectives

1 = 0% or not at all; 10 = 100% or perfectly

Pre-operatively

1. How confident are you that all equipment potentially required for the procedure is present in the operating room (1-10) _____
2. How confident are you that all required open equipment is present on the surgical table (1-10) _____
3. How confident are you that nothing unnecessary has been opened on the surgical table (1-10) _____
4. How well did the surgeon communicate what equipment was required (1-10) _____

Post-operatively

1. Do you think the surgical team communicated what equipment was required to a satisfactory level (1-10) _____
2. What can be done to improve the accuracy of equipment in these cases (select all that apply):
A) No change needed
B) Whiteboard with list of supplies for each case
C) Team huddle with entire OR team at start of day
D) Team huddle before each case
E) Other _____

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Supplementary Table 1. Comparison of post-whiteboard survey scores in those with no prior whiteboard use and those with prior whiteboard use				
Post-whiteboard survey question	Without any prior whiteboard use (n=16)	With whiteboard use (n=15)	p	95% CI^a
Preoperative questions (mean ±SD)				
1. How confident are you that all equipment potentially required for the procedure is present in the operating room (1–10)	8.94±1.39	9.53±0.64	0.1403	[-1.310, 0.208]
2. How confident are you that all required open equipment is present on the surgical table (1–10)	9.06±1.18	9.13±1.55	0.8869	[-1.080, 0.938]
3. How confident are you that nothing unnecessary has been opened on the surgical table (1–10)	8.75±1.73	9.20±1.37	0.4314	[-1.603, 0.703]
4. How well did the surgeon communicate what equipment was required (1–10)	9.38±0.89	9.47±0.83	0.7691	[-0.724, 0.541]
Postoperative questions (mean ±SD, %)				
1. Do you think the surgical team communicated what equipment was required to a satisfactory level (1-10)	9.50±0.73	9.53±0.83	0.9064	[-0.608, 0.541]
2. What can be done to improve the accuracy of equipment in these cases (select all that apply)				
No change needed	11/16 (69%)	6/15 (40%)	0.4826	NA
Whiteboard with list of supplies for each case	7/16 (44%)	10/15 (67%)		
Team huddle with entire OR team at start of day	2/16 (13%)	1/15 (7%)		
Team huddle before each case	2/16 (13%)	4/15 (27%)		
Other	0/16 (0%)	1/15 (7%)		

^a95% confidence interval only possible for continuous variables. *p<0.05, **p<0.01, ***p<0.001.

CI: confidence interval; SD: standard deviation.