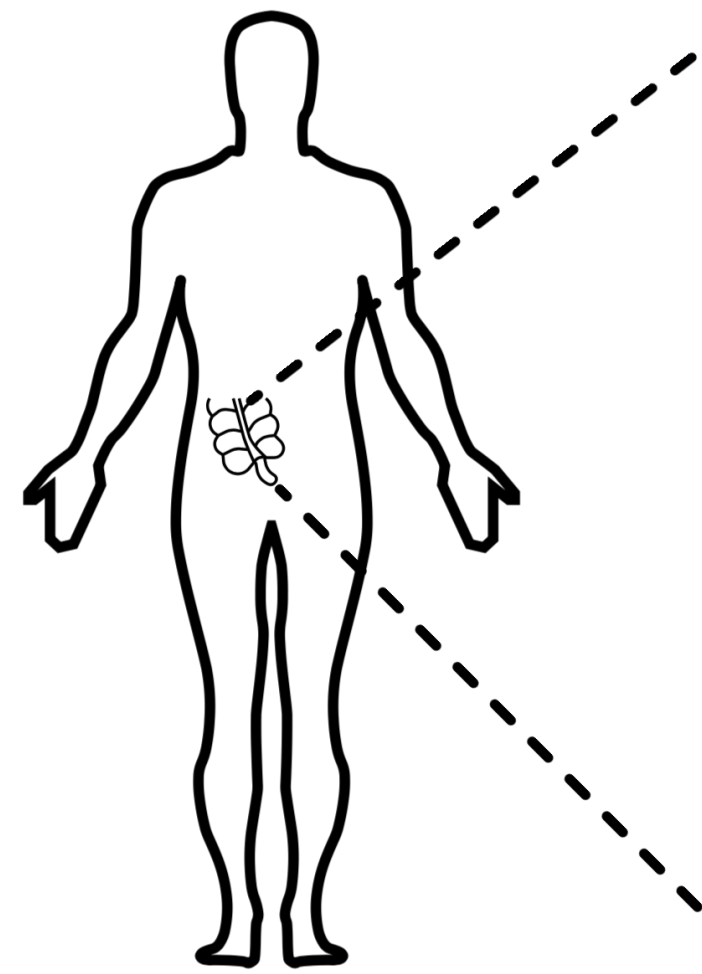


Appendectomy (Open & Laparoscopic/Robotic)

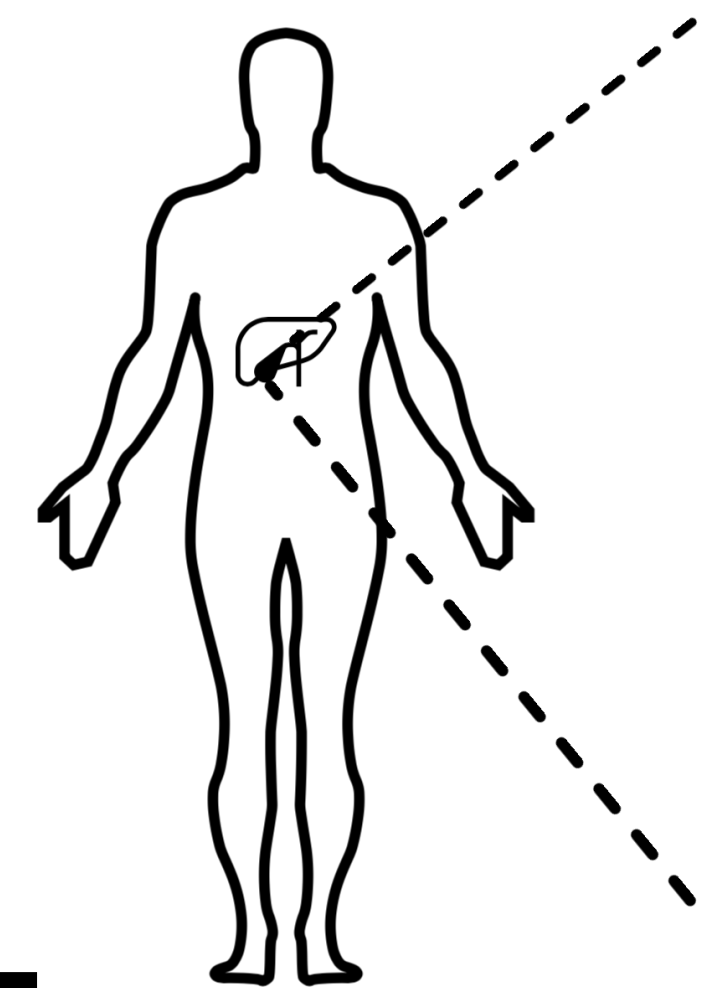


	Does My Patient Need a Catheter?	When Should the Catheter Be Removed?
<2 hours in length	✘	N/A
2-3 hours in length	?	Remove in OR
>3 hours in length	✔	Remove in OR

Key

✘	Inappropriate - Avoid Catheter Placement
?	Potentially Appropriate (Recommendation for removal is provided)
✔	Appropriate for Use
By POD 1	Appropriate - Remove Catheter by Post-Op Day 1
By POD 3	Appropriate - Remove Catheter by Post-Op Day 3

Cholecystectomy (Laparoscopic/Robotic)

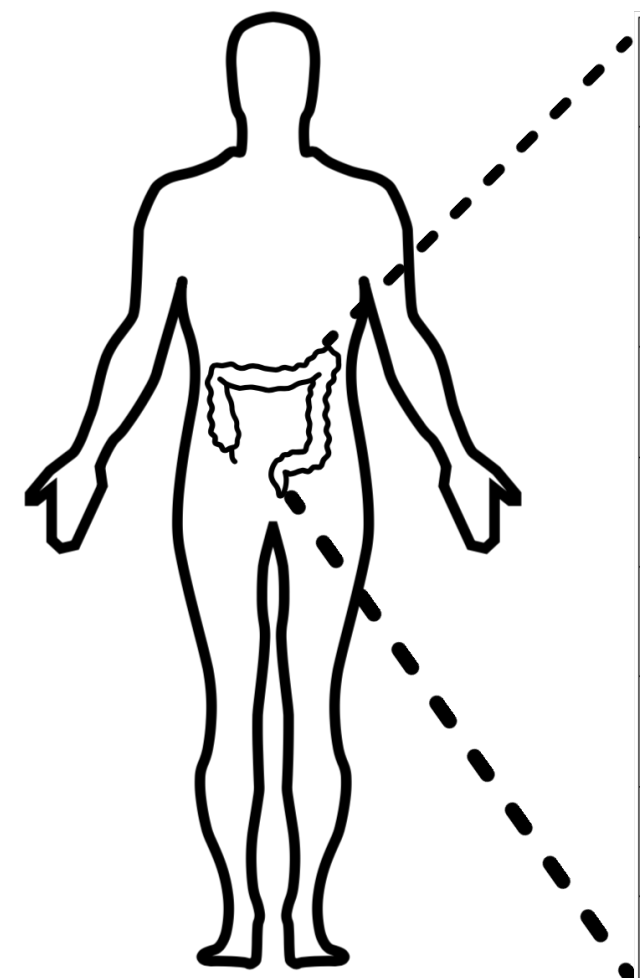


	Does My Patient Need a Catheter?	When Should the Catheter Be Removed?
<2 hours in length	✘	N/A
2-3 hours in length	?	Remove in OR
>3 hours in length	✔	Remove in OR

For Open Cholecystectomies, use surgical team discretion.

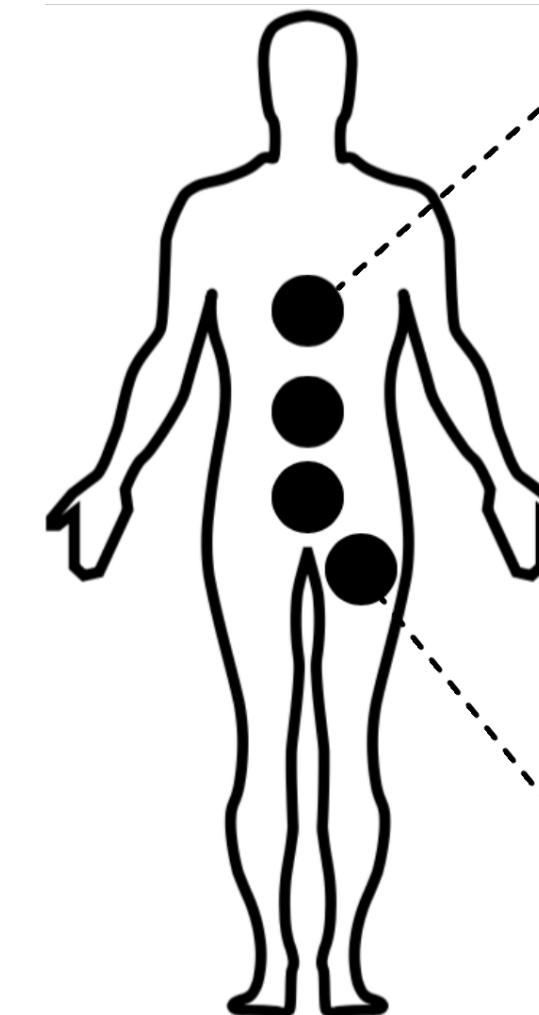
Perioperative Urinary Catheter Use Guide

Elective Colorectal Resection (Open & Laparoscopic/Robotic)



	Does My Patient Need a Catheter?	When Should the Catheter Be Removed?
Ileocectomy	✔	By POD 1
Hemicolectomy (Left, Transverse, Right)		
Sigmoidectomy		
Subtotal Colectomy		By POD 3
Rectal Resection (Upper 1/3rd of Rectum)		
Abdomino-Perineal Resection		
Low Anterior Resection		
Total Proctocolectomy		

Elective Hernia Repairs



	Does My Patient Need a Catheter?	When Should the Catheter Be Removed?
Groin - Open	✘	N/A
Groin - MIS	?	Remove in OR
Abdominal - Open/MIS ≤ 3 hours		
Abdominal - Open/MIS > 3 hours	✔	By POD 1

Graphics were developed using Meddings J, Skolarus TA, Fowler KE, et al. Michigan Appropriate Perioperative (MAP) criteria for urinary catheter use in common general and orthopaedic surgeries: results obtained using the RAND/UCLA Appropriateness Method. *BMJ Qual Saf.* 2019; 28(1):56-66. doi:10.1136/bmjqs-2018-008025. Updated February 14, 2024.

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For questions about this work or how to cite this work, please contact Dr. Jennifer Meddings at meddings@med.umich.edu