

Algorithm Example for Urine Management Device Selection

Does your patient have an appropriate indication for an indwelling catheter per your hospital policy?¹

Indications per Hospital Policy:

No

Consider less invasive options for urine management

Yes

Yes

Can your patient's indication be managed with a less invasive option such as:¹

- Toileting schedule
- External catheter
- Bladder scanning / intermittent catheterization

No

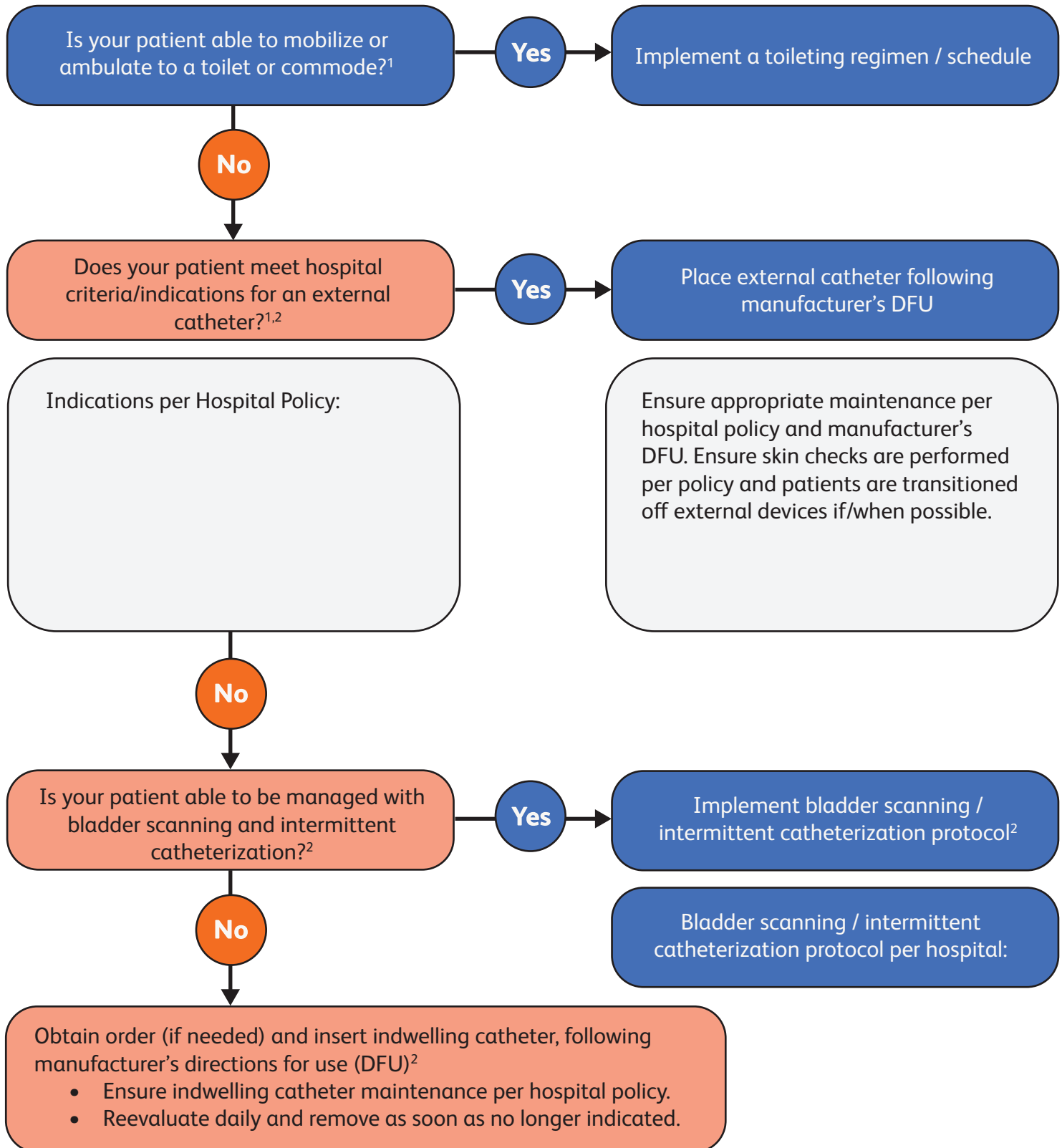
Obtain order (if needed) and insert indwelling catheter, following manufacturer's directions for use (DFU)

- Ensure indwelling catheter maintenance per hospital policy.¹
- Reevaluate daily and remove as soon as no longer indicated.¹

1. Association for Professionals in Infection Control and Epidemiology. (2025). Guide to preventing catheter-associated urinary tract infections (CAUTI). <https://www.apic.org>



Algorithm Example for Considering Less Invasive Options for Urine Management

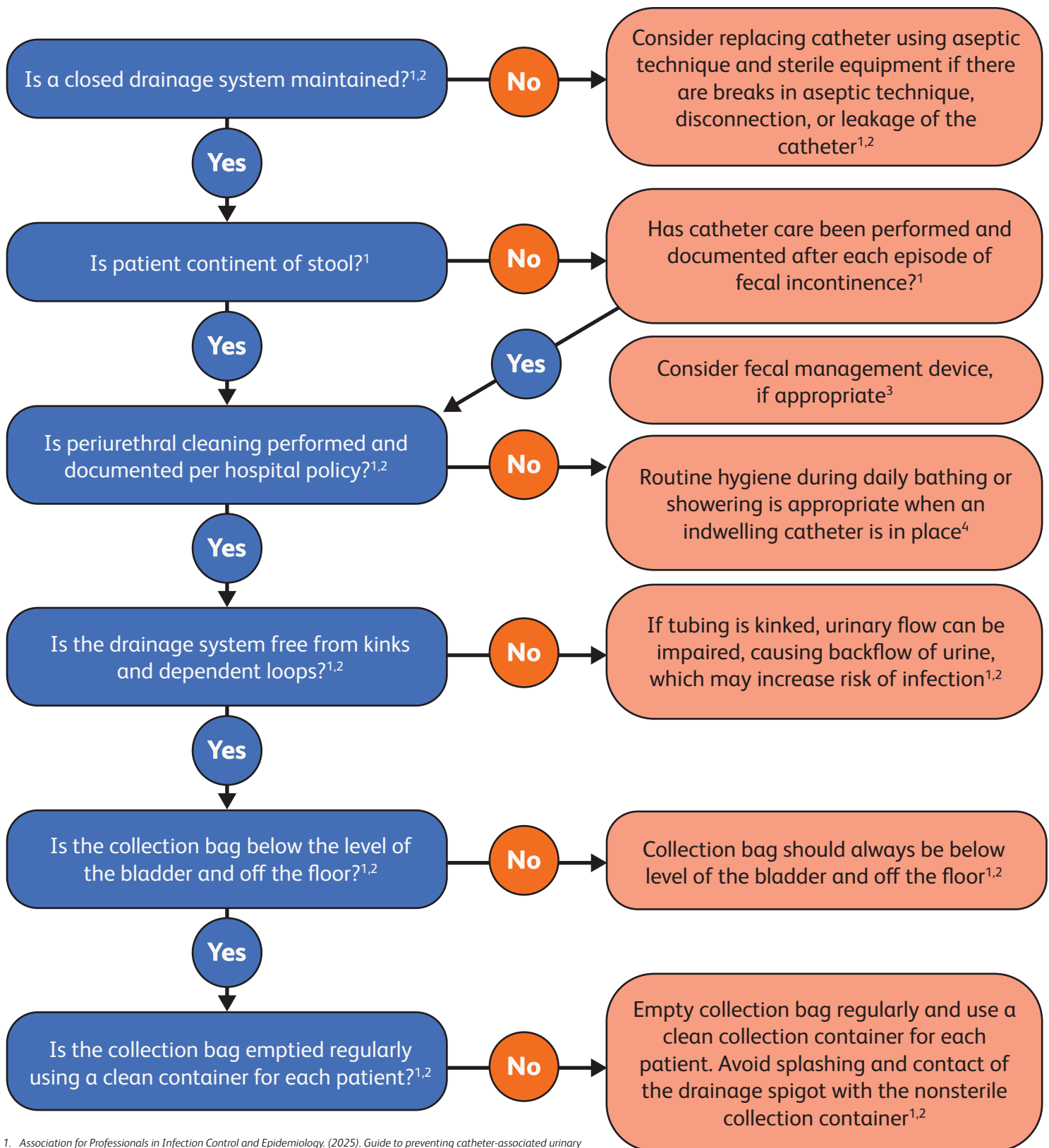


1. Gray, M., Beeson, T., Kent, D., Mackey, D., McNichol, L., Thompson, D. L., & Engberg, S. (2020). Interventions post catheter removal (iPCaRe) in the acute care setting: An evidence- and consensus-based algorithm. *Journal of Wound, Ostomy and Continence Nursing*, 47(6), 601–618. <https://doi.org/10.1097/WON.0000000000000704>

2. Association for Professionals in Infection Control and Epidemiology. (2025). Guide to preventing catheter-associated urinary tract infections (CAUTI). <https://www.apic.org>



Algorithm Example for Maintaining Indwelling Catheter



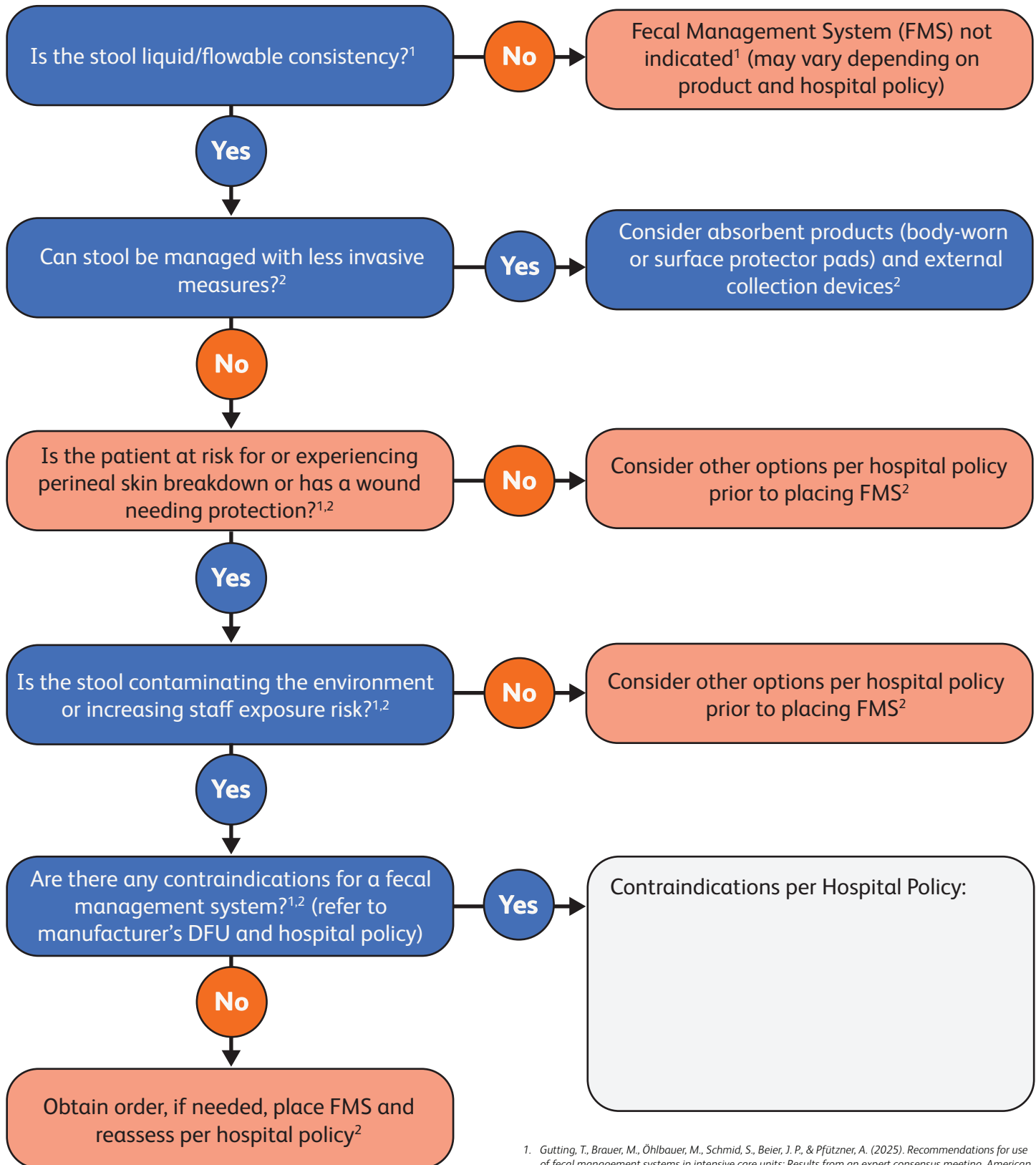
1. Association for Professionals in Infection Control and Epidemiology. (2025). Guide to preventing catheter-associated urinary tract infections (CAUTI). <https://www.apic.org>

2. Patel, P. K., Advani, S. D., Kofman, A. D., Lo, E., Maragakis, L. L., Pegues, D. A., Pettis, A. M., Saint, S., Trautner, B., & Yokoe, D. S. (2023). Strategies to prevent catheter-associated urinary tract infections in acute-care hospitals: 2022 update. *Infection Control & Hospital Epidemiology*, 44(8), 1209–1231. <https://doi.org/10.1017/ice.2023.137>

3. Gutting, T., & Pfützner, A. (2024). The crucial role of fecal management systems in intensive care. *Expert Review of Medical Devices*, 21(8), 701–707. <https://doi.org/10.1080/17434440.2024.2382881>

4. Centers for Disease Control and Prevention. (2009). Guideline for prevention of catheter-associated urinary tract infections. <https://www.cdc.gov/infection-control/media/pdfs/Guideline-CAUTI-H.pdf>

Algorithm Example for Fecal Incontinence Management (with or without a urine management device in place)



1. Gutting, T., Brauer, M., Öhlbauer, M., Schmid, S., Beier, J. P., & Pfützner, A. (2025). Recommendations for use of fecal management systems in intensive care units: Results from an expert consensus meeting. *American Journal of Infection Control*. <https://doi.org/10.1016/j.ajic.2025.11.016>
2. Bliss, D. Z. (Ed.). (2025). *Management of fecal incontinence for the advanced practice nurse* (2nd ed.). Springer Nature Switzerland AG. <https://doi.org/10.1007/978-3-031-94526-7>



Algorithm Example for Regular Evaluation of Indwelling Catheter Necessity and Removal

Does your patient have an appropriate indication for an indwelling catheter per your hospital policy?¹

Indications per Hospital Policy:

Yes

Refer to “Sample Algorithm for Urine Management Device Selection” to determine if less invasive options may be considered

No

RN removes catheter^{1,2}
(obtain discontinuation order, if needed per hospital policy)

Has patient voided within hospital defined timeframe?²

No

Consider bladder scanning and interventions per hospital policy²

Yes

Does patient have symptoms of urinary retention such as abdominal fullness or discomfort?²

Yes

Consider bladder scanning and interventions per hospital policy²

No

Continue monitoring per hospital policy²

1. Association for Professionals in Infection Control and Epidemiology. (2025). Guide to preventing catheter-associated urinary tract infections (CAUTI). <https://www.apic.org>
2. Agency for Healthcare Research and Quality. (2020). Appendix M. Example of a nurse-driven protocol for catheter removal. <https://www.ahrq.gov/hai/cauti-tools/impl-guide/implementation-guide-appendix-m.html>

**Catheter Care
Awareness Week**

Identifying CAUTI risk factors starts with you.



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