Antibiotic Prophylaxis During Catheter-Managed Postoperative Urinary Retention After Pelvic Reconstructive Surgery
A Randomized Controlled Trial

Erin Seifert Lavelle, MD, Pakeeza Alam, MD, Melanie Meister, MD, Maria Florian-Rodriguez, MD, Cara Elmer-Lyon, MD, Joseph Kowalski, MD, Charelle Carter-Brooks, MD, MSc, Donna Mazloomdost, MD, Halina Zyczynski, MD, Jerry Lowder, MD, MSc, Robert Gutman, MD, and Gary Sutkin, MD


1. What was the primary outcome measure in this study? Do you agree with this choice of primary outcome measure? Why or why not?

2. Review the inclusion and exclusion criteria. Which criteria are associated with a higher risk of urinary tract infection? Which are associated with a lower risk?

3. What criteria did the authors use for a positive culture? Discuss what criteria you use in your facility for both symptomatic and asymptomatic women. Are they the same?

4. What reduction in the incidence of urinary tract infections did the authors base their power analysis on? Discuss the absolute percentages of urinary tract infections that the authors assumed would occur in the group with prophylaxis and in the group with placebo. Is the incidence of urinary tract infection similar in your practice? Discuss what would happen if the authors powered the study to see if there was a smaller difference between groups or a larger difference between groups.

5. The authors performed an intention-to-treat analysis as well as a per-protocol analysis. What is the difference between these two analyses? Discuss why authors would perform both.

6. Continuous variables in this study were compared using means or medians. Why use means rather than medians to evaluate a continuous variable?

7. The authors included both women who had an indwelling catheter as well as women who performed intermittent self-catheterization. How may this have influenced results? In your practice, do you teach clean intermittent self-catheterization?

8. The authors used a cutoff for urinary retention of greater than 100 mL. What cutoff do you use in your practice? Discuss this cutoff and whether or not other cutoffs for normal postvoid residual measurements are used in the literature.