



Hospital Pharmacy Journal Club

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Impact of Intra-operative Acetaminophen Administration on Post-operative Opioid Consumption in Patients Undergoing Hip or Knee Replacement

Doug Raiff, PharmD, BCPS; Cathy Vaughan, PharmD; and Ann McGee, PharmD

Proposed Question Set:

- 1) Why do you think the authors selected opioid requirements as the primary endpoint? What are the concerns with increased opioid utilization in the perioperative setting?
- 2) This study utilized 24-hour opioid requirements as its primary endpoint. What are some outcomes that can be evaluated in this patient population that may justify utilization of this agent?
- 3) What are some patient-specific factors in hip or knee replacement candidates that may impact opioid requirements in the perioperative setting?
- 4) If this study had used percentage of patients rating their postoperative pain control as “adequate”, what statistical test could the authors have used? What about pain scores from 0 (no pain) to 10 (worst pain possible) at 4 hours post-procedure? What about length of stay in hours?
- 5) Are there any other non-opioid analgesics which have been recently evaluated in the intraoperative setting? What were they compared against? What did the results show?

- 6) What are some of the benefits and drawbacks of utilizing these newer non-opioid agents in perioperative analgesia?
- 7) What are some limitations to the study that may have influenced the results?
- 8) How do you think the results of this study would impact practice or drug utilization within your institution?
- 9) You are interested in evaluating the impact of this agent in your institution. What patient populations would you focus on and how would you design your study?
- 10) Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) survey results are a recent area of emphasis for hospital and health-system administrators. How would perioperative care for these patients impact survey results?

Answers will be posted at www.thomasland.com/HPJ_journalclub.html after 6 months. Prior to this time, answers are available to only Preceptors, Faculty, and Residency Directors by addressing such requests to: jgeneral@thomasland.com