



AB095. SOH24AB_013. Perioperative nephrogenic diabetes insipidus secondary to long term lithium use: a case report and review of current guidelines

Ronan Bluett, Una Brennan

Department of Anaesthesia, Beaumont Hospital, Beaumont, Dublin, Ireland

Background: We present the case of a 62-year-old female presenting for resection of a colorectal carcinoma, who developed nephrogenic diabetes insipidus in the perioperative period secondary to lithium use requiring intensive care unit (ICU) admission. This case highlights the risks associated with perioperative use of lithium, as well as the clinical features and management of nephrogenic diabetes insipidus. We review current guidance regarding the management of lithium and discuss strategies for minimising risk of lithium related complications in the perioperative period.

Methods: Chart review and direct involvement with patient care.

Results: Review of clinical course of this interesting case. Patient was ventilated in ICU before and discharging to ward.

Conclusions: Lithium extubating successfully is a commonly prescribed medicine with implications for perioperative practice. Increased awareness of potential complications, and of current guidance for the perioperative

management of lithium will help clinicians to care for this cohort of patients both during surgery and at ward level post operatively.

Keywords: Lithium; diabetes insipidus; lithium toxicity; acute kidney injury; perioperative medicine

Acknowledgments

Funding: None.

Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

Open Access Statement: This is an Open Access article distributed in accordance with the Creative Commons Attribution-NonCommercial-NoDerivs 4.0 International License (CC BY-NC-ND 4.0), which permits the non-commercial replication and distribution of the article with the strict proviso that no changes or edits are made and the original work is properly cited (including links to both the formal publication through the relevant DOI and the license). See: <https://creativecommons.org/licenses/by-nc-nd/4.0/>.

doi: 10.21037/map-24-ab095

Cite this abstract as: Bluett R, Brennan U. AB095. SOH24AB_013. Perioperative nephrogenic diabetes insipidus secondary to long term lithium use: a case report and review of current guidelines. *Mesentery Peritoneum* 2024;8:AB095.