

AB070. SOH23ABS_202. A systematic review of interventions to improve daily handover in surgery

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Background: Poor quality handovers lead to patient harm and surgical teams receive little training in this area. This systematic review provides an up-to-date assessment of the types of interventions available to improve daily surgical handover.

Methods: This review was prospectively registered with PROSPERO (CRD42022363198). Ovid MEDLINE(R), PubMed, Embase, and Cochrane databases were searched for articles published up to July 2022. Comparative Englishlanguage studies describing interventions applicable to daily surgical handover were included.

Results: A total of 5,869 citations were reviewed by two independent reviewers. Thirty-four papers were included for systematic review, including 23 audits/quality improvement projects, 9 observational studies, and 2 randomised controlled trials. Interventions can be grouped into: formalisation of the handover process (n=9), improvements in tools used for handover (n=18), and team education only (n=7). Staff were educated on specific handover techniques in 4 papers [situation, background, assessment, recommendation (SBAR), n=3; illness severity, patient summary, action list, situation awareness, synthesis

by receiver (I-PASS), n=1]. Only 10 papers reported patient outcomes, 6 of which found significant improvements (length of stay, n=4; weekend discharges, n=1; erroneous order entries, n=1; emergency response team calls, n=1; and number of patients missed on ward rounds, n=1).

Conclusions: There is a lack of prospective comparative data in the area of surgical handover with wide heterogeneity of reported interventions and outcomes. Few papers have used robust measures of patient outcomes, which are arguably the most important factors in this process. More research is needed in this area to generate levels II and III evidence specific to surgical handover.

Keywords: Continuity of care; information transfer; sign-out; surgical education; surgical handover

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.

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doi: 10.21037/map-23-ab070

Cite this abstract as: Ryan J, McHugh F, Eppich W, Kavanagh D, McNamara D. AB070. SOH23ABS_202. A systematic review of interventions to improve daily handover in surgery. Mesentery Peritoneum 2023;7:AB070.