

# AB164. SOH23ABS\_063. Assessment of the knowledge of and adherence to 2012 AAGBI machine check safety guidelines by anaesthetic non-consultant hospital doctors working in University Hospital Limerick (UHL)

Emer Scanlon, Andras Mikor, Naomi Quigley

Department of Anaesthesiology, University Hospital Limerick,  
Dooradoyle, Limerick, Ireland

**Background:** It has been noted that with increasing use of modern anaesthetic machines, the awareness of the importance of checking the anaesthetic machine before each operating session and each case has been reduced. This is an important safety issue as outlined in the 2012 The Association of Anaesthetists of Great Britain and Ireland (AAGBI) machine check guidelines. This survey was designed as a quality improvement project to highlight gaps in the knowledge of non-consultant hospital doctors (NCHDs) administering anaesthetics. Results of this survey will clarify the need for further education and re-training of anaesthesiology NCHD's in University Hospital Limerick (UHL).

**Methods:** An anonymous survey was sent to current anaesthesiology NCHD's administering anaesthetics to patients in UHL between October 20th 2022 and November 20th 2022 via "Survey Monkey".

**Results:** A total of 18 of 35 potential respondents completed the survey. Only 77.78% of respondents reported checking anaesthetic equipment at the start of each operating session and just 22.22% reported checking equipment between each operating case. Additionally; 40% of respondents were not aware of the need to perform these checks, 46.67% felt that there was a lack of time between

cases to complete checks and 33.33% felt that these checks are unnecessary. Finally, 50% of respondents felt that further education sessions regarding AAGBI machine check guidelines would be beneficial.

**Conclusions:** Adherence to AAGBI machine check guidelines is low among NCHDs conducting anaesthetics in UHL. An education session will be conducted with the aim of improving awareness and knowledge of these guidelines and participants will subsequently be re-surveyed to assess for change.

**Keywords:** Anaesthesia; association of anaesthetists; ventilation; anaesthetic machine check guidelines; safety

## 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-23-ab164

**Cite this abstract as:** Scanlon E, Mikor A, Quigley N. AB164. SOH23ABS\_063. Assessment of the knowledge of and adherence to 2012 AAGBI machine check safety guidelines by anaesthetic non-consultant hospital doctors working in University Hospital Limerick (UHL). *Mesentery Peritoneum* 2023;7:AB164.