

CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

Replacement of Balloon Gastrostomy Devices for Adults: Guidelines

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Research Question

What are the evidence-based guidelines regarding the replacement of balloon gastrostomy devices in adults?

Key Findings

No evidence-based guidelines were identified regarding the replacement of balloon gastrostomy devices in adults.

Methods

A limited literature search was conducted by an information specialist on key resources including PubMed, the Cochrane Library, the University of York Centre for Reviews and Dissemination (CRD) databases, the websites of Canadian and major international health technology agencies, as well as a focused Internet search. The search strategy was comprised of both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords. The main search concepts were gastrostomy balloons and timing of replacement. Filters were applied to limit the retrieval to guidelines. The search was also limited to English language documents published between January 1, 2015 and January 17, 2020. Internet links were provided, where available.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

Table 1: Selection Criteria

Population	Adults in community/home care/day care
Intervention	Low profile or long shaft balloon gastrostomy devices
Comparator	No comparator
Outcomes	Recommendations for replacement of balloon gastrostomy devices (e.g., removal and reinsertion guidance within the community to reduce the use of emergency departments, acute services, Interventional Radiology, etc. and prevent the risk of stoma closure due to delayed replacement [over four hours] when a balloon gastrostomy tube has been dislodged)
Study Designs	Evidence-based guidelines

Results

Rapid Response reports are usually organized so that the higher quality evidence is presented first (health technology assessment reports, followed by systematic reviews, randomized controlled trials, etc.). However, in reports where guidelines are primarily sought, other study types are presented in the appendix.

No evidence-based guidelines were identified regarding the replacement of balloon gastrostomy devices in adults.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No evidence-based guidelines were identified regarding the replacement of balloon gastrostomy devices in adults; therefore no summary can be provided.

References Summarized

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Previous CADTH Reports

1. Gray C, Grobelna A. CADTH Rapid Response Reports. Urinary catheters as replacement feeding tubes: a review of clinical effectiveness, cost-effectiveness, and guidelines. Ottawa (ON): Canadian Agency for Drugs and Technologies in Health Copyright (c) 2019 Canadian Agency for Drugs and Technologies in Health.; 2019. [PubMed: PM31479215](#)
2. Brett K, Argáez C. Gastrostomy versus gastrojejunostomy and/or jejunostomy feeding tubes: a review of clinical effectiveness, cost-effectiveness and guidelines. Ottawa (ON): CADTH; 2018 Jul. (*CADTH rapid response report: summary with critical appraisal*); <https://www.cadth.ca/sites/default/files/pdf/htis/2018/RC1002%20Feeding%20Tubes%20Final.pdf>
Accessed 2020 Jan 28.
3. Balloon gastrostomy devices for adults: guidelines for replacement, maintenance, and training. Ottawa (ON): CADTH; 2014 May. (*CADTH rapid response report: summary of abstracts*); <https://www.cadth.ca/sites/default/files/pdf/htis/sep-2014/RB0684%20Balloon%20Gastrostomy%20Devices%20Final.pdf>
Accessed 2020 Jan 28.

Evidence-Based Guideline – Alternative Intervention

4. Schwarzenberg SJ, Hempstead SE, McDonald CM, et al. Enteral tube feeding for individuals with cystic fibrosis: Cystic Fibrosis Foundation evidence-informed guidelines. *J Cyst Fibros*. 2016 Nov;15(6):724-735. [PubMed: PM27599607](#)

Clinical Practice Guidelines

5. Roveron G, Antonini M, Barbierato M, et al. Clinical practice guidelines for the nursing management of Percutaneous Endoscopic Gastrostomy and Jejunostomy (PEG/PEJ) in adult patients: an executive summary. *J Wound Ostomy Continence Nurs*. 2018 Jul/Aug;45(4):326-334. [PubMed: PM29994859](#)
6. Saskatoon Health Region. Gastrostomy tube (balloon type): adult and pediatric: replacement, removal, care of (*RN Procedure*). Saskatoon (SK): Saskatoon Health Region; 2017 Feb: <https://www.saskatoonhealthregion.ca/about/NursingManual/1105.pdf>
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7. Winnipeg Regional Health Authority (WRHA). Adult enteral nutrition: clinical practice guideline. Winnipeg (MB): WRHA; 2017 Mar: <https://www.wrha.mb.ca/extranet/eipt/files/EIPT-34-005.pdf>
Accessed 2020 Jan 28.
8. Evans L, Wilson N, Best C, et al. Good practice guideline: changing of a Balloon Gastrostomy Tube (BGT) into the stomach for adults and children. London (UK):

National Nurses Nutrition Group; 2016 Jun. <http://www.nnng.org.uk/wp-content/uploads/2016/06/Good-practice-changing-a-gastrostomy-tube-Final-June-20161.pdf>

Accessed 2020 Jan 28.

Review Articles

9. Gill A, Givi B, Moore MG. AHNS series - do you know your guidelines?: Assessment and management of malnutrition in patients with head and neck cancer: review of the NCCN clinical practice guidelines In oncology (NCCN guidelines). *Head Neck*. 2019 Mar;41(3):577-583.
[PubMed: PM30597657](#)

Additional References

10. Shah R, Shah M. Gastrostomy tube replacement [*StatPearls*]. Treasure Island (FL): StatPearls Publishing; 2019 May: <https://www.ncbi.nlm.nih.gov/books/NBK482422/>
Accessed 2020 Jan 28.