



Canadian Agency for
Drugs and Technologies
in Health

RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS



TITLE: Balloon Gastrostomy Devices for Adults: Guidelines for Replacement, Maintenance, and Training

DATE: 27 May 2014

RESEARCH QUESTIONS

1. What are the evidence-based guidelines for the removal and re-insertion of balloon gastrostomy devices (BGDs) in adults?
2. What are the evidence-based guidelines for the care and maintenance of BGDs in adults?
3. What are the evidence-based guidelines regarding the training and maintenance of competency associated with the removal and re-insertion of BGDs in adults?

KEY MESSAGE

No relevant literature was identified regarding the removal, re-insertion, or care and maintenance of BGDs in adults.

METHODS

A limited literature search was conducted on key resources including PubMed, CINAHL, The Cochrane Library (2014, Issue 4), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2009 and May 12, 2014. Internet links were provided, where available.

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RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by evidence-based guidelines.

No health technology assessment reports, systematic reviews, meta-analyses, or evidence-based guidelines regarding the removal, re-insertion, or care and maintenance of BGDs in adults were identified. In addition, no evidence-based guidelines regarding the training and maintenance of competency associated with the removal and re-insertion of BGDs in adults were identified.

References of potential interest are provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was identified regarding the removal, re-insertion, or care and maintenance of BGDs in adults; therefore, no summary can be provided.

REFERENCES SUMMARIZED

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-analyses

No literature identified.

Guidelines and Recommendations

No literature identified.

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APPENDIX – FURTHER INFORMATION:

Systematic Reviews and Meta-analyses – BGDs Not Specifically Mentioned

1. Conroy T. The prevention and management of complications associated with established percutaneous gastrostomy tubes in adults: a systematic review. *JBIS Libr Syst Rev*. 2009;7(1):1-37.
See: Occlusion of PEG tubes and Accidental removal, page 6

Clinical Practice Guidelines and Recommendations – Unclear Methodology

2. The Royal Children's Hospital Melbourne [Internet]. Victoria, Australia: The Royal Children's Hospital, Melbourne. Gastrostomy acute replacement of displaced tubes; 2014 May 12 [cited 2014 May 26]. Available from:
http://www.rch.org.au/clinicalguide/guideline_index/Gastrostomy_Acute_replacement_of_displaced_tubes/
3. Adult gastrostomy tube feeding policy in the community setting [Internet]. Torquay, U.K.: Torbay and Southern Devon Health and Care NHS Trust; 2013 Apr 18. [cited 2014 May 26]. Available from:
<http://www.torbaycaretrust.nhs.uk/publications/TSDHC/PEG%20Policy.pdf>
*See: Section 4.9 Procedure for Care of a Balloon Gastrostomy Tube, pages 9-12
Section 5.0 Training Provision, pages 12-13*
4. Percutaneous gastrostomy tube with internal balloon. Adelaide (SA): The Joanna Briggs Institute; 2013 Jul 15.
See: Section on Recommended Practice, page 1
5. Murphy P, Chudleigh-Emson V. Adult nasogastric and gastrostomy tube feeding guidelines v1:6 [Internet]. Plymouth, U.K.: Plymouth Hospitals NHS Trust; Plymouth Community Healthcare; 2012 Apr 23. [cited 2014 May 26]. Available from:
http://www.plymouthcommunityhealthcare.co.uk/images/uploads/content/Policies/N/Nasogastric_v1.6.pdf
*See: Section 6.3 Procedure for Care for a Balloon Gastrostomy Tube, pages 29-30,
Section 6.4 Procedure for Care of a Low Profile Gastrostomy Device, page 31*
6. Percutaneous endoscopic gastrostomy – care guidelines [Internet]. Edinburgh: NHS Lothian; 2011. [cited 2014 May 26]. Available from:
<http://www.mph.ed.ac.uk/endo/docs/clininfo/Percutaneous%20Endoscopic%20Gastrostomy.pdf>
7. Enteral feeding in adults [Internet]. Nottingham, U.K.: Nottingham University Hospital NHS Trust; 2009 Sep. [cited 2014 May 26]. Available from:
<http://www.nottingham.ac.uk/mhs/documents/clinical-skills/nuh-guidelines/enteral-feeding-adults.pdf>
*See: Removal and Replacing Gastrostomy Tubes, page 52,
Accidental Removal of a Gastrostomy Tube, pages 52-53,
Appendix 6: Procedure for Replacing a Balloon Gastrostomy Tube, pages 96-97*

BGDs Not Specifically Mentioned

8. Chen Z. Percutaneous endoscopic gastrostomy: tube blockage. Adelaide (SA): The Joanna Briggs Institute; 2014 Jan 15.

Review Articles

9. Lohsiriwat V. Percutaneous endoscopic gastrostomy tube replacement: a simple procedure? *World J Gastrointest Endosc.* 2013 Jan 16;5(1):14-8.
[PubMed: PM23330049](#)