SELF-REPORTED IMPROVEMENTS IN ENTERAL NUTRITION TOLERANCE USING MOBILITY+ ELASTOMERIC ENTERAL FEEDING SYSTEM

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BACKGROUND

- Enteral Nutrition (EN) intolerance is prevalent across care settings and may hamper EN delivery and negatively affect patients and caregivers[1], yet few studies have explored how innovative delivery systems may improve tolerance.
- This study evaluates self-reported improvements in EN feeding tolerance among early users of Mobility+ Elastomeric Enteral Feeding System.

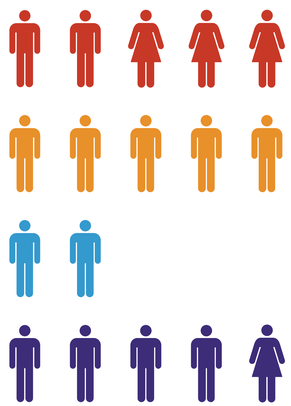
MOBILITY+ COMPONENTS

1. Feeding pouch; reservoir fillable with 500ml (16.9oz) of feed
2. Filling-set tubing: used to fill pouch
3. Giving-set ('feeding-set') tubing: delivers feed to feeding tube

METHODS

- Patients (n=17, 13M, 4F) were early users of the newly marketed Mobility+ (elastomeric, non-electric, portable enteral feeding system) for some, or all, their home EN feeding needs.
- Following use of Mobility+ over a minimum of two weeks, with the same EN formula previously used, patients or caregivers self-reported qualitative feedback via email and/or phone/video call.

Patients Conditions (Age range 7-76 years)



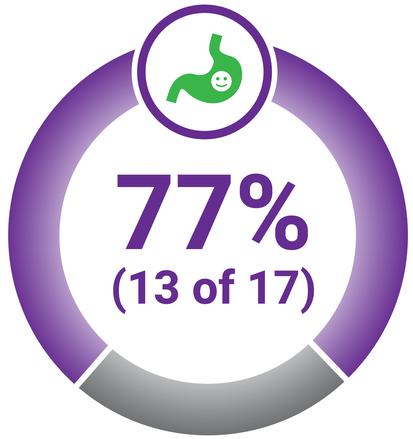
CONCLUSIONS

- Use of Mobility+, which can be considered an alternative to simple bolus/gravity systems and more complex pump systems[2], was associated with self-reported improvements in EN feeding tolerance.
- This elastomeric enteral feeding system may provide a better-tolerated alternative for EN patients. Further research is warranted to explore underlying mechanisms and impact on patient outcomes.

RESULTS

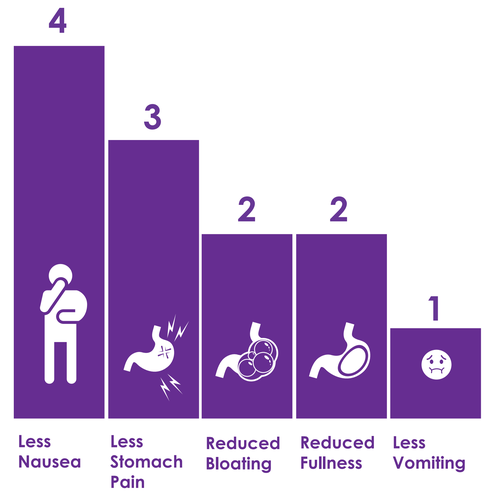
- Of 17 EN patients, 13 had prior intolerance, 3 had no prior intolerance, and in one patient it was unclear.
- 13 (77%) patients self-reported improvements in EN feeding tolerance, following use of Mobility+, compared to previous systems.
- Of the 13 patients who had prior intolerance, all 13 (100%) self-reported improvements in EN feeding tolerance.

% Patients that Reported Improved Tolerance



4 of 17
had no prior intolerance/was unclear

Reported Symptom Improvements



"With my feeding pump, I felt nauseous. I was throwing up and in a lot of pain. But I haven't had any symptoms since starting Mobility+" - Female Patient, age 41, Ohio

- Also, 3 patients reported **general tolerance improvements.**
- 4 patients reported **tolerating a higher EN feed rate** than with previous delivery systems.

REFERENCES

1. Boullata J, Carney LN, Guenter P, eds. A.S.P.E.N. Enteral Nutrition Handbook. Americal Society for Parenteral and Enteral Nutrition; 2010
2. Flow Rates of a Novel Enteral Feeding System. Connolly R, Mayne D, Keaveney, E. J Parenter Enteral Nutr. 2024 FEB;48(S1): S73-S225 P27 https://doi.org/10.1002/jpen.2604

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