

# A wide range of enteral users, new and current, could easily learn how to use a wearable elastomeric feeding system without support from healthcare professionals. This suggests the system could reduce training requirements and support cost savings.

## INDEPENDENT LEARNING IS FEASIBLE TO SUCCESSFULLY OPERATE AN ELASTOMERIC ENTERAL NUTRITION DELIVERY SYSTEM

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### RATIONALE

Training new enteral nutrition (EN) patients on EN delivery systems typically occurs during hospitalisation or after discharge, allowing confirmation of competence in use.<sup>1</sup>

If patients and caregivers could independently learn to operate EN systems, this could reduce both the cost of training and demands on nutrition support staff.

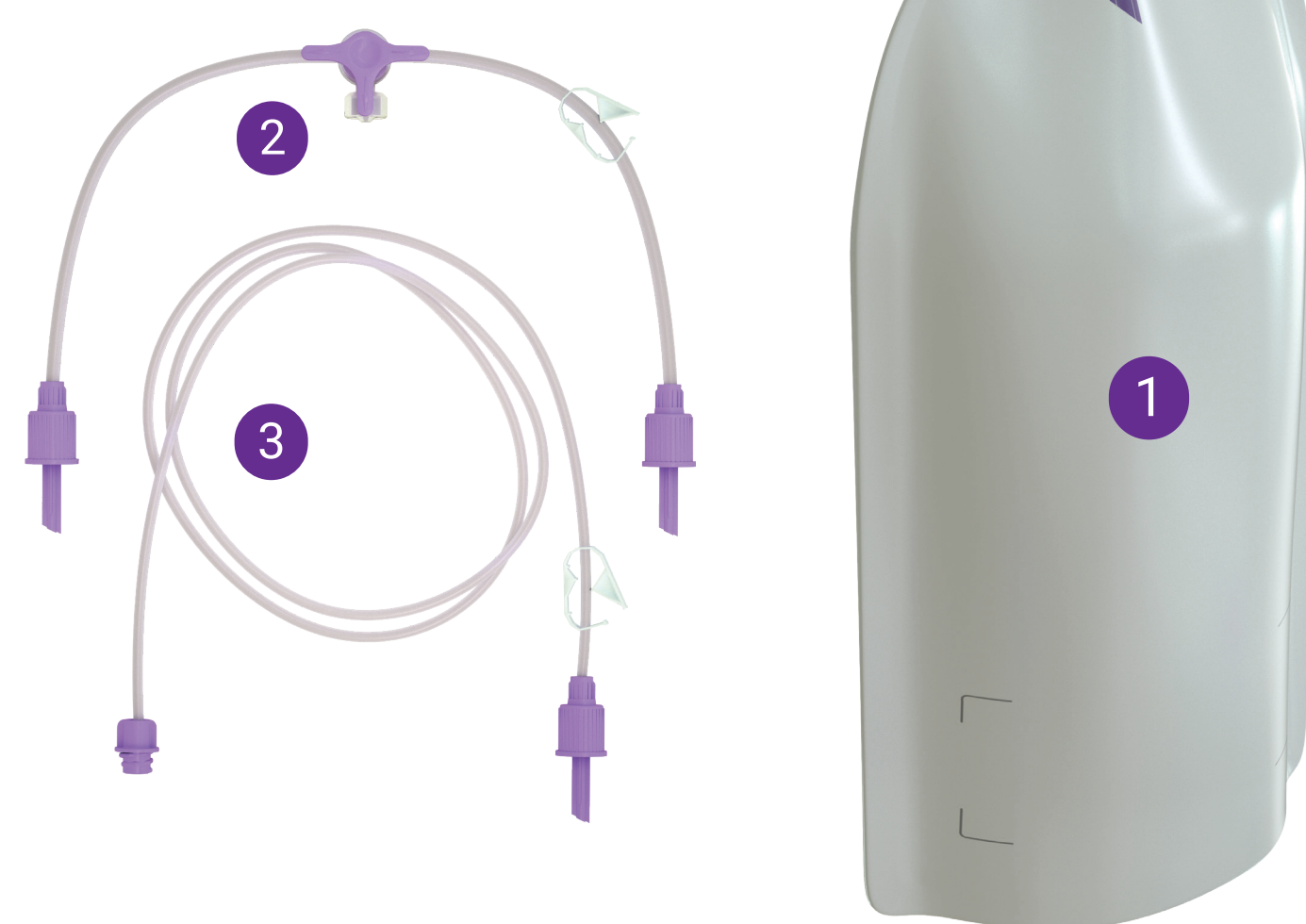
### METHODS

A usability study was conducted involving 25 participants: seven EN patients, three caregivers and fifteen individuals with no prior EN experience.

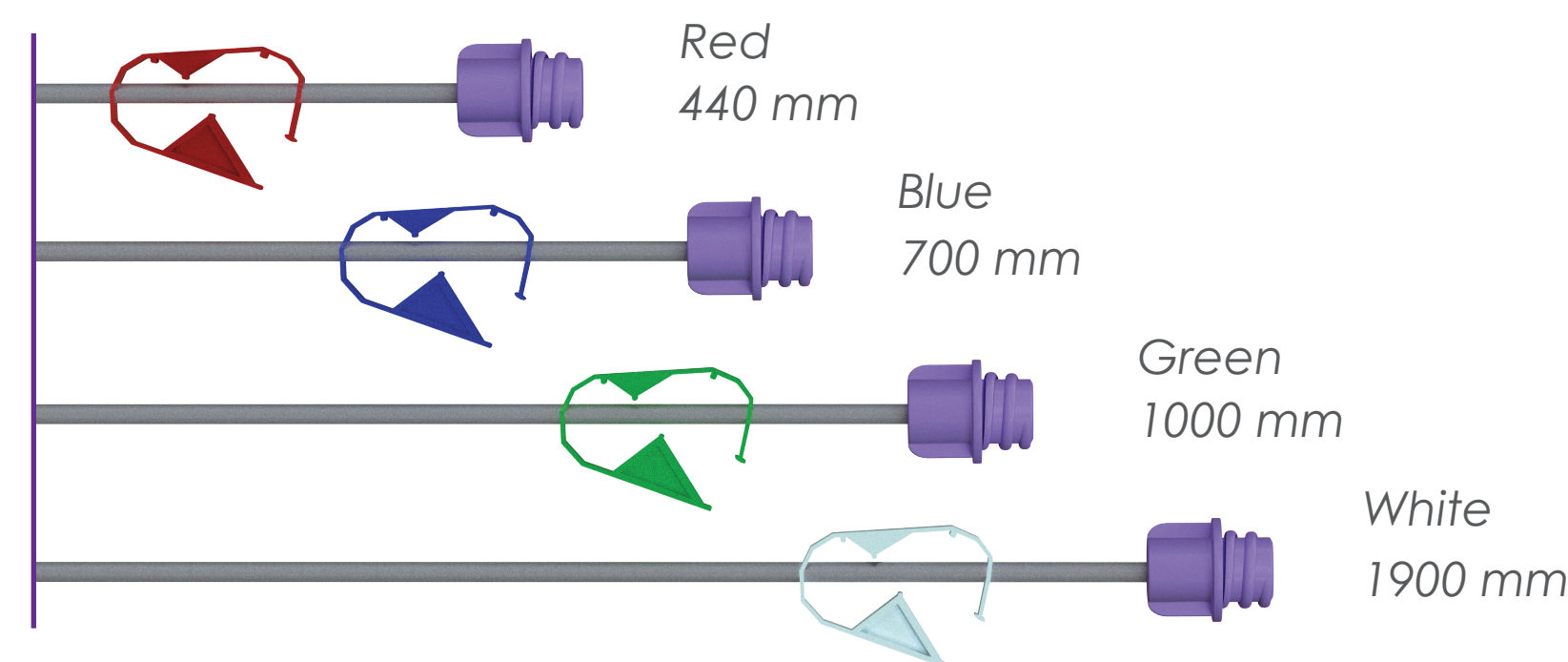
The study evaluated the instructional materials for a portable wearable elastomeric EN feeding system (Mobility+®) which works without gravity or electricity, is ENFit® compatible, safe, and effective.<sup>2</sup>

#### SYSTEM COMPONENTS

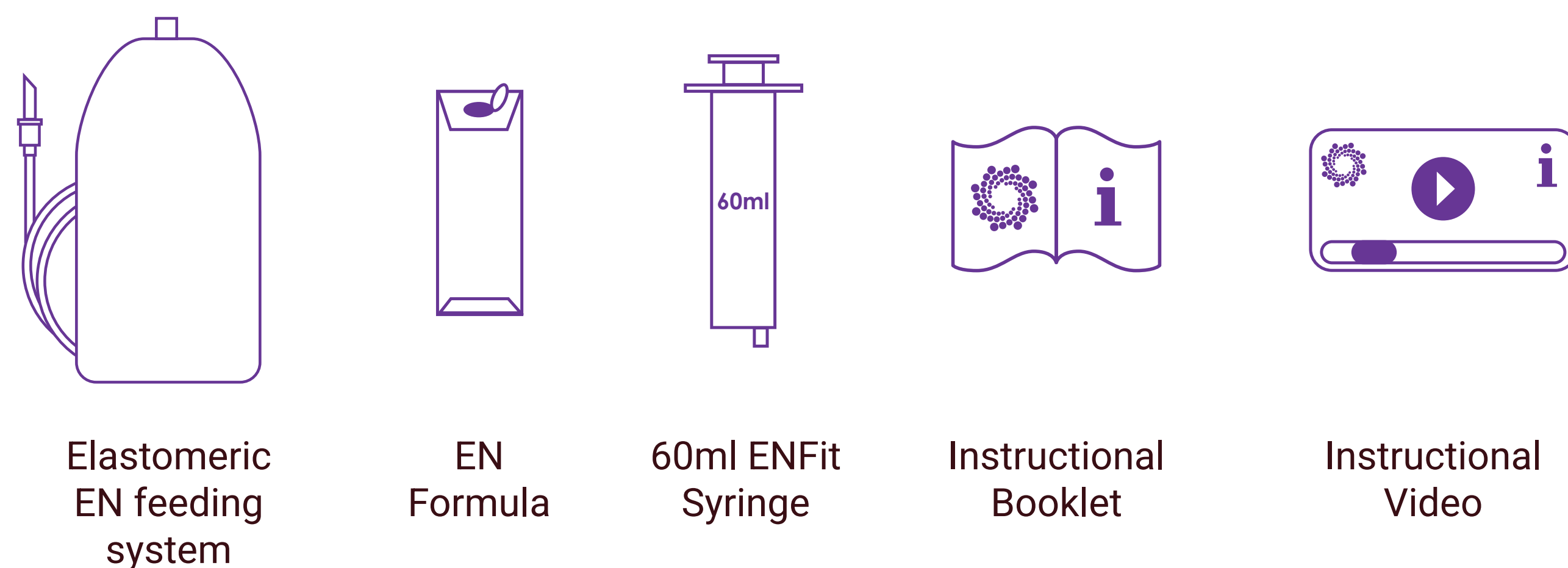
- 1 Feeding pouch; reservoir fillable with 500ml (16.9oz) of feed
- 2 Filling-set tubing: used to fill pouch
- 3 Giving-set ('feeding-set') tubing: delivers feed to feeding tube



Four giving-set tubing varieties exist, each of different length, allowing different flow rate offerings, with delivery of EN formula at rates suitable for continuous, cyclical, intermittent or bolus feedings.<sup>3</sup>



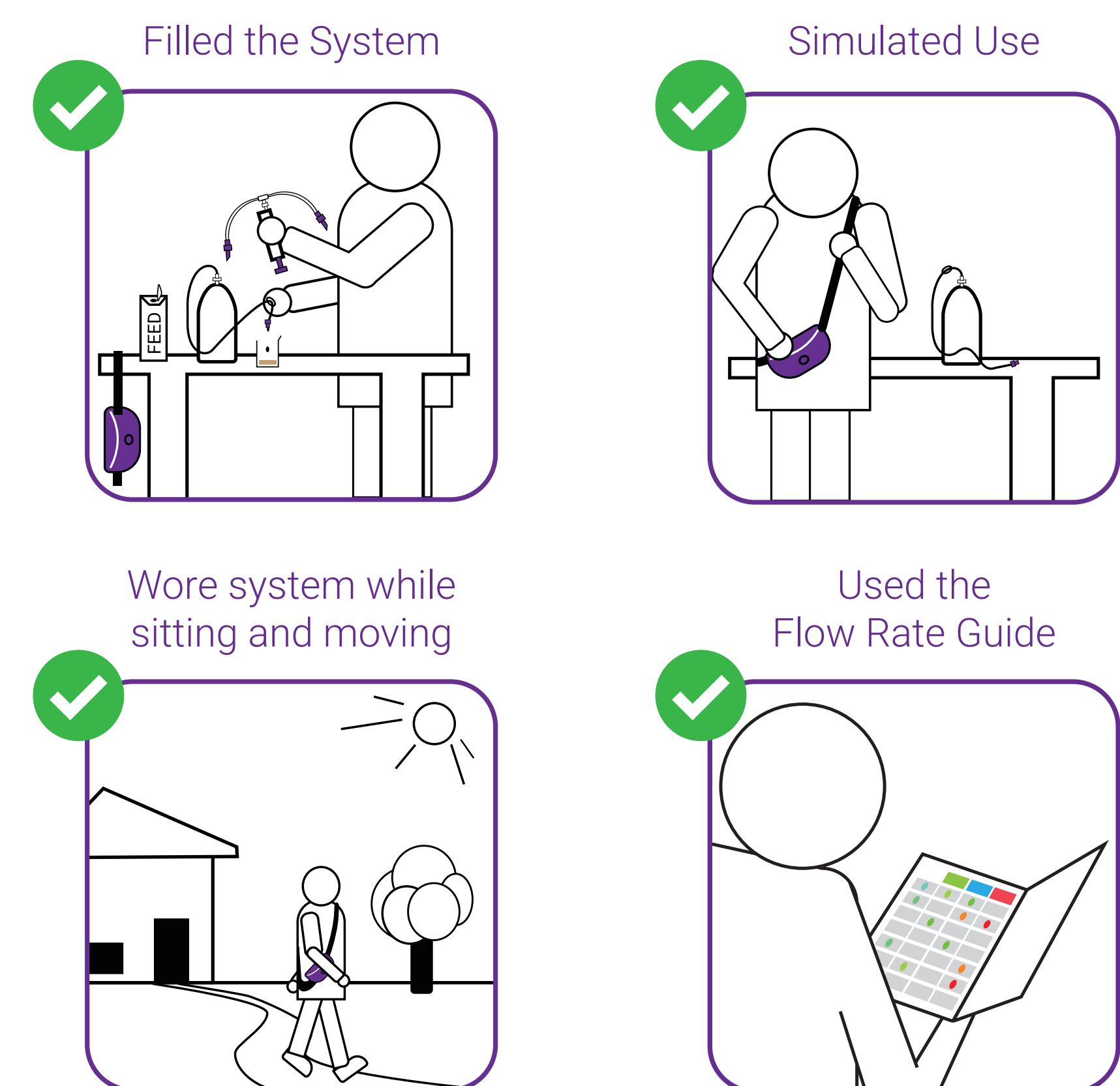
The participants were provided:



### RESULTS

All 25 participants, using only the provided instructional materials, were able to successfully complete tasks necessary to fill pouch; connect to extension set; deliver formula into a cup; wear system safely while moving; disconnect; and flush system. No serious use errors were observed.

#### All 25 participants successfully:



### CONCLUSIONS

Patients, caregivers and individuals with no prior EN experience can independently learn to operate a portable elastomeric EN feeding system using written and video instructions.

Hospitals and enteral homecare providers utilising this portable system may benefit from a sparing of HCP time, and reduction in EN training resources and costs.

### CONTACT INFORMATION

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### DISCLOSURE

E. Keaveney, R. Connolly, E. Gaughran, T. Thompson - All authors are employees of Rockfield Medical Devices

### REFERENCES

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2. Mohamed Elfadil O, Keaveney E, Pattinson A, Johnson D, Connolly R, Patel S, Patel Y, Hurt R, & Mundi M. Utility, Safety and Effectiveness of a Novel Enteral Feeding System: A Prospective Cohort Study. *JPEN J Parenter Enteral Nutr.* 2025;49: S142. doi: 10.1002/jpen.2735
3. 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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