

### Cost Savings from Enteral Tube Feeding

Fresubin<sup>®</sup> Tube Feeds



# Malnourished patients cost more to treat





Malnutrition in hospitalised patients increases<sup>1</sup>:

- Length of stay (LoS)
- Risk of complications (such as infection)
- Mortality rate
- Re-admission rate
- Delay of return home





Malnutrition in non-hospital patients (at home and in care facilities) increases<sup>2,3</sup>:

- Hospitalisation rate
- Infection rate
- Mortality rate
- Number of diagnosed diseases
- Number of visits to family doctor
- Impairment of quality of life (QoL)

## How can cost savings be achieved?



## Enteral Tube Feeds can reduce the overall resources required to care for a patient



Exchange rate: £1 = €1.12 (Interbank Jul 2017). NHS: National Health Service

\*QALY: quality adjusted life year. A measure of the state of health of a person or group in which the benefits, in terms of length of life, are adjusted to reflect the quality of life. One QALY is equal to 1 year of life in perfect health.<sup>5</sup>

## Benefits of Enteral Tube Feeds for your patients

Clinical	<ul> <li>Fewer and shorter hospital admissions<sup>1</sup></li> <li>Reduces mortality rate of hospitalised patients (-12%)<sup>6</sup></li> <li>Reduces infectious complications, sepsis, wound and urinary tract infections<sup>6,7</sup></li> <li>Reduces medications for some patient groups<sup>6</sup></li> <li>Improves clinical outcomes in community patients<sup>6</sup></li> <li>Significant improvements in respiratory, liver and bowel functions, depending on patient group</li> <li>Improves wound healing</li> <li>Improves immune function</li> </ul>
<b>TO</b> Nutritional	<ul> <li>Increases nutritional intake: 62% of total energy in hospital patients vs. routine care<sup>6</sup> and more than 2.5 times of protein vs. oral intake/non-intervention group<sup>8</sup></li> <li>Attenuates loss of body weight and lean tissue in hospitalised patients<sup>6</sup></li> <li>Improves body weight and lean tissue mass in community patients<sup>6</sup></li> </ul>
Hospital <sup>6</sup> and Community <sup>6</sup>	<ul> <li>Improves well-being/QoL</li> </ul>

#### Every other death can be avoided when patients are enterally tube fed<sup>6</sup>



#### Fresubin Tube Feeds



#### References

- Elia M. The cost of malnutrition in England and potential cost savings from nutritional interventions. BAPEN 2015.
- Klek S, Hermanowicz A, Dziwiszek G et al. Home enteral nutrition reduces complications, length of stay, and health care costs: results from a multicenter study. Am J Clin Nutr. 2014;100(2):609–615.
- Better care through better nutrition: Value and effects of medical nutrition. A summary of the evidence base. MNI, 4th version, 2018.
- Elia M, Stratton RJ. A cost-utility analysis in patients receiving enteral tube feeding at home and in nursing homes. Clin Nutr. 2008;27(3):416-423.
- 5. www.nice.org.uk/glossary?letter=q, accessed 23 April 2018.
- Stratton RJ, Green CJ, Elia M. Disease-related malnutrition: An evidencebased approach to treatment. CABI Publishing, Wallingford, UK, 2003.
- Tian F, Wang X, Gao X et al. Effect of initial calorie intake via enteral nutrition in critical illness: a meta-analysis of randomised controlled trials. Crit Care. 2015;19:180.
- Bally MR, Blaser Yildirim PZ, Bounoure L et al. Nutritional Support and Outcomes in Malnourished Medical Inpatients: A Systematic Review and Meta-analysis. JAMA Intern Med. 2016;176(1):43-53.



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