CHALLENGES OF **MISPLACEMENT** OF NASOENTERIC FEEDING TUBES



Insertion of a nasoenteric tube is not always successful. Misplacement is common-1

- Occurs in 13%-20% of adult and 39%-55% of pediatric patients.¹
- Associated with a higher morbidity and mortality rates.¹



Complications of misplacement of nasoenteric tubes



Pneumonitis/aspiration pneumonia with or without emphysema^{1,2}



Atelectasis²



Pneumothorax and vocal cord injury^{1,2}



Pulmonary hemorrhage¹



Tracheal-esophageal and broncho-pleural fistula^{1,2}



Pleural effusion¹



Empyema¹



Respiratory failure¹



Asphyxia¹





trachea/pleural parenchyma perforation^{1,2}









Death¹

Apart from these, numerous patient-related factors may escalate the risk of nasoenteric tube misplacement. Such factors include-2





Swallowing dysfunction²



mechanical ventilation²



consciousness (irrespective of cause)²

of a misplaced NG tube.²

Moreover, a reduced reflex or impaired gag reflex may contribute to poor recognition



Did you know?

Evidence suggests a 18.7%-26% rate of pneumothorax due to bronchial tube placements, with an associated mortality of 2.7%-4%. Moreover, bronchial intubation may cause pulmonary trauma between placement and radiological confirmation of the inappropriate position.²



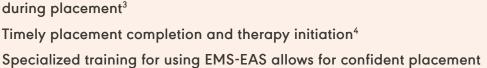
access system (EMS-EAS) for nasoenteral feeding tube placement

Benefits of using an electromagnetic sensor-guided enteral



of tubes by skilled clinicians³

Reliability



Allows for real-time visualization and confirmation of feeding tube tip



Avoidance of lung placements⁴ Immediate recognition and redirection of feeding tube³

Safety



Feed patients faster, so they recover faster.⁵

anatomy.5

Our Solution

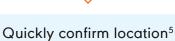
An electromagnetic stylet provides On-screen visualization real-time location information on provides immediate feedback on tube placement.5 tube tip placement within a patient's

CORTRAK* 2 allows clinicians to-5



an optimal feeding position⁵

Confidently place tubes in

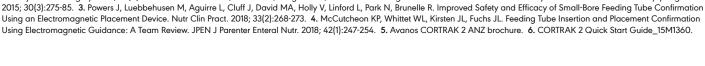


Reduce time to nutrition delivery⁵

1. Milsom SA, Sweeting JA, Sheahan H, Haemmerle E, Windsor JA. Naso-enteric tube placement: a review of methods to confirm tip location, global applicability and requirements. World journal of surgery. 2015; 39(9):2243-52. 2. Smithard D, Barrett NA, Hargroves D, Elliot S. Electromagnetic Sensor-Guided Enteral Access Systems: A Literature Review. Dysphagia.

Institution protocols must always supersede the use of CORTRAK*2. Clinical judgment must always take precedence.





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