CLINICAL-TRANSLATIONAL RESEARCH SYMPOSIUM

## POSTER **ABSTRACTS**

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## Early Tracheostomy and Percutaneous Endoscopic Gastrostomy in Hemorrhagic Stroke Patients: Associated Factors and Effects on Hospitalization

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study the role of early tracheostomy and PEG in treating critical- PEG was correlated with ICU length of stay. ly ill hemorrhagic stroke patients.

Methods: A series of patients treated at University of Kentucky event, which entails a poor prognosis. Characterizing measures between June 1, 2011 and June 1, 2015 for hemorrhagic stroke to potentially improve critical care of these patients is vital. Our was retrospectively reviewed. We evaluated patient risk factors study identified patient risk factors associated with increased for tracheostomy and/or PEG with logistic regression. We ana- likelihood of tracheostomy and PEG in this population. Additionlyzed the influence of tracheostomy/PEG timing on patient sur- ally, we found the timing of PEG was correlated to length of vival and incidence of complications using logistic regression. stay. Complication rates related to tracheostomy and PEG in this The influence of tracheostomy/PEG timing on length of stay was population were minimal. In conclusion, this retrospective data evaluated with multiple linear regression.

Results: Out of 366 patients diagnosed with hemorrhagic strokes, 75 were tracheostomized and 86 underwent PEG. Fac-

Objective: Early tracheostomy and percutaneous endoscopic tors significantly associated with tracheostomy and PEG includgastrostomy (PEG) have been suggested to provide benefits ed advanced patient age, presence of pneumonia on admission, over extended translaryngeal intubation and nasogastric feed- and diagnosis of spontaneous subarachnoid hemorrhage. The ing in various patient populations, including reductions in ICU timing of tracheostomy and PEG was not significantly associated length of stay, rates of complications, and costs. However, there with patient survival or rates of complications in this population. is a paucity of literature evaluating early tracheostomy and PEG Earlier PEG placement was significantly correlated with shorter in critically ill patients with hemorrhagic strokes. We aimed to overall hospital stay in survivors, but neither tracheotomy nor

> Conclusions: Hemorrhagic stroke is a devastating neurovascular set supports some benefit to early PEG placement in this population and justifies the need for further prospective study.