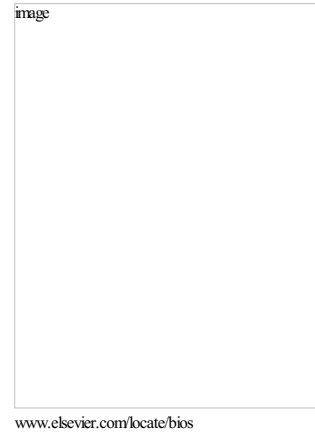


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Chirag Popat, Doungporn Ruthirago, Mohamed Shehabeldin, Shengping Yang, Kenneth Nugent



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Title Page

Outcomes in patients with acute stroke requiring mechanical ventilation: Predictors of mortality and successful extubation

Chirag Papat¹ MD, Doungporn Ruthirago² MD, Mohamed Shehabeldin² MD,
Shengping Yang³ PhD, Kenneth Nugent¹ MD

Departments of Internal Medicine¹, Neurology², and Pathology³, Texas Tech University health Sciences Center, Lubbock, TX 79430

Corresponding author- Kenneth Nugent 3601 4th Street, Lubbock, TX 79430; Telephone-806-743-6847; email: kenneth.nugent@ttuhsc.edu

Running title- Acute stroke and mechanical ventilation

Key words-acute stroke, mechanical ventilation, extubation, stroke volume, mortality

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Abstract

Background: The majority of patients with acute stroke requiring mechanical ventilation have a poor prognosis and often present difficult decisions regarding extubation. The best criteria for planned extubation in these patients are uncertain.

Methods: We reviewed the electronic medical records of patients hospitalized between 1/1/2010 and 12/15/2015 with acute stroke requiring mechanical ventilation to determine the mortality rate, the respiratory parameters recorded prior to planned extubation, and the reintubation rate.

Results: This study included 226 patients. The mean age was 60.3 ± 14.3 years. The mean duration of mechanical ventilation was 6.5 ± 5.9 days. The overall in-hospital mortality rate was

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