

Effect of Prior Atorvastatin Therapy on Frequency of Hospital-Acquired Pneumonia and associated Biomarkers in Acute Ischemic Stroke: A Multicenter Study.

Yu Y, Zhu C, Liu C, Gao Y. *Biomed Res Int.* 2017; 2017: 5642704.

- In 492 patients with acute ischemic stroke, a 28-day course of 20 mg atorvastatin reduced the frequency of ventilator-associated pneumonia (VAP) as compared with no prior treatment.
- Levels of inflammatory biomarkers [tumor necrosis factor-alpha (TNF- α) and interleukin-6 (IL-6)] were observed to be lower in the VAP cases who had received atorvastatin therapy.

Prior atorvastatin treatment in patients with ischemic stroke was associated with a lower concentration of IL-6 and TNF- α and improved the outcome of VAP.