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Observational Study

Therapeutic temperature modulation is associated with pulmonary complications in patients with severe traumatic brain injury

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Abstract

AIM: We examined complications associated with the use of therapeutic temperature modulation (mild hypothermia and normothermia) in patients with severe TBI.

METHODS: 114 charts were reviewed. Inclusion criteria were: severe TBI with Glasgow Coma Scale <9, ICU stay >24 hours and non-penetrating TBI. Patients were divided into two cohorts: the treatment group received therapeutic temperature modulation (TTM) with continuous surface cooling and indwelling bladder temperature probes. The control group received standard treatment with intermittent acetaminophen for fever. Information regarding complications during the time in the intensive care unit was collected as follows: Pneumonia was identified using a

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