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Clinical Trials Study

Landirolol, an ultra-short-acting β_1 selective blocker, is useful for managing supraventricular tachyarrhythmias in patients with sepsis

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Abstract

AIM: To investigate whether landiolol, an ultra-short-acting β_1 selective antagonist, can safely and effectively control heart rate in septic patients with supraventricular tachyarrhythmias.

METHODS: We reviewed all patients with sepsis who admitted to our intensive care unit between January 2006 and December 2011. Sixty one septic patients suffered from supraventricular tachyarrhythmias (heart rate ≥ 120 bpm for >1 h). Among 61 patients, 39 patients were treated with landiolol (landiolol group) and 22 patients were not treated with landiolol (control group). Arterial pressure, heart rate, cardiac rhythm, pulmonary arterial pressure and cardiac output (if a pulmonary arterial catheter was inserted) were compared between the 2 groups at 1, 8 and 24h after the initiation of tachyarrhythmias.

RESULTS: Mean age and **Acute Physiology and Chronic Health Evaluation II** and

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