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Vasopressin in Vasoplegic Shock: A Systematic Review

Vasopressin in Vasoplegic Shock

Abstract

BACKGROUND

Vasoplegic shock is a challenging complication of cardiac surgery and is often resistant to conventional therapies for shock. Norepinephrine and epinephrine are standards of care for vasoplegic shock, but vasopressin has increasingly been used as a primary pressor in vasoplegic shock because of its unique pharmacology and lack of inotropic activity. It remains unclear whether vasopressin has distinct benefits over standard of care for patients with vasoplegic shock.

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Arginine vasopressin (AVP) is an endogenous neurohypophysial hormone with an antidiuretic function. The most important **AVP release stimulus** is the plasma osmolality variation followed by blood pressure variations [16–18]. **AVP** also suppresses nitric oxide (NO) production.

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Author: Ary Serpa Neto, Antônio P Nassar, Sérgio O...

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Vasopressin in vasoplegic shock: A systematic review



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