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Extra-corporeal membrane oxygenation in aortic surgery and dissection: A systematic review

Capoccia M *et al.* Extra-corporeal membrane oxygenation and aortic surgery

Massimo Capoccia, Marc O Maybauer

Abstract

BACKGROUND

Very little is known about the role of extracorporeal membrane oxygenation (ECMO) for the management of patients undergoing major aortic surgery with particular reference to aortic dissection.

AIM

To review the available literature to determine if there was any evidence.

METHODS

A systematic literature search through PubMed and EMBASE was undertaken according to specific key words.

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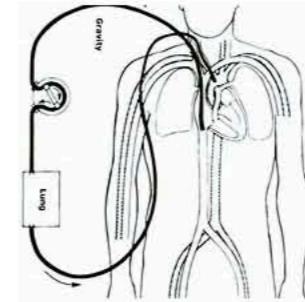
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Extracorporeal membrane oxygenation, also known as extracorporeal life support, is an extracorporeal technique of providing prolonged cardiac and respiratory support to persons

whose heart and lungs are unable to provide an adequate amount of gas exchange or perfusion to sustain life. The technology for ECMO is largely derived from cardiopulmonary bypass, which provides shorter-term support with arrested native circulation.



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