

CLINICAL "SNIPPETS"

Effects of interventional lung assist on hemodynamics and gas exchange in cardiopulmonary resuscitation: a prospective experimental study on animals with acute respiratory distress syndrome.

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Overview: The aim of our study was to test the effects of Interventional lung assist, based on the use of pumpless extracorporeal membrane oxygenator, on hemodynamics and gas exchange during CPR on animals with ARDS and to establish whether ILA should be kept open or clamped under these circumstances.

Conclusions: The results indicate that in an animal model of ARDS the blood pressures were not impaired by keeping the ILA system open during CPR compared with the immediate clamping of the ILA with the onset of CPR. The effect of ILA on gas exchange implied a beneficial effect.