

HYBRID MANAGEMENT OF AORTIC RUPTURE AND LUNG FAILURE: PUMPLESS EXTRACORPOREAL LUNG ASSIST AND ENDOVASCULAR STENT-GRAFT

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Objective

Report on a case of acute traumatic aortic rupture in a patient suffering multiple chest injuries in a head on car collision.

Study Design

Case report.

Study Population

1 20-year-old male.

Methods

Patient's respiratory function had deteriorated dramatically in a remote hospital and who was deemed to be too unstable to undergo transportation or surgical intervention. An emergency facission from the rescue helicopter team initiated iLA and after rapid stabilization of gas exchange during iLA support transfered the patient to the next trauma center. Where the rupture of the descending aorta was treated with a stent draft. The patient recovered from his lung injuries after a total of 7 days on iLA and made an uneventful recovery.

Commentary

The same report was published in German:

Extracorporeal lung support and endovascular stent in traumatic aortic rupture and severe lung failure.

SCHMID FX, PHILIPP A, FALTERMEIER H, SCHADINGER U, LINK J, BIRNBAUM D.
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