

Abstract

Review Article

Acute Traumatic Rupture of the Thoracic Aorta: An Endovascular Approach

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Over three quarters of the patients that suffer an acute traumatic aortic rupture die at the scene of the accident. Traditional open surgery repair of aortic transection is associated with significant morbidity and a perioperative mortality rate as high as 50%. The high morbidity and mortality rate combined with the evolution of endovascular techniques and the many practical advantages compared to open surgery, tend to establish the endovascular technique as the favored approach for this injury pattern.

Key words: aortic injury, acute traumatic aortic rupture, aortic transection, aortic repair, endovascular repair, endovascular approach