Madam, Major uncontrollable bleeding in trauma can be compressible (extremity trauma) or non-compressible (chest or abdominal cavity). Non-compressible bleeding mostly arises from intra-abdominal vascular injuries or injuries to the solid organs. Since direct pressure cannot be applied to control this type of haemorrhage, patients can rapidly become haemodynamically unstable. The placement of an endovascular aortic balloon can tamponade proximal to the bleeding vessel site and can stop the bleeding before irreversible shock ensues. It can act as a ‘bridge’ to definitive treatment. By occluding the aorta, blood pressure increases and fluid requirement decreases. This is named as Resuscitative endovascular balloon occlusion of aorta (REBOA).

Resuscitative thoracotomy and aortic cross clamping was conventionally advocated in these situations for achieving temporarily control of the bleeding but was associated with a high morbidity.\(^1\)

The REBOA can be inflatable at three aortic zones. Zone 1 is in the thoracic aorta from subclavian artery down to coeliac artery while Zone 3 is between the lowest renal artery to aortic bifurcation.\(^2\) It is placed in Zone 1 for active intra-abdominal bleeding while in the Zone 3 in case of pelvic bleeding of lower extremity haemorrhage. Zone 2 contains origin of visceral and renal vessels and is not recommended for balloon tamponade for control of intrabdominal bleeding.

The femoral artery is access of choice for placement of REBOA catheter due to its relative good size, superficial position and easy approach. Left brachial and carotid arteries are the alternative approaches.

Despite its potential huge role, data is lacking to demonstrate clear benefits of ROBEA in reducing overall morality of the trauma patients.\(^3,4\) This may due to practical difficulty in conducting a large clinical trial for critically injured patients. There is also discussion going on to identify the group of patients who may benefit most from the use of this technique and in which patients it is best avoided. There are access related complications and also it is not recommended in case of thoracic aortic injury due to its potential to exacerbate it.

ROBEA is a novel concept which have potential role in the management of these massively bleeding patients.

**Disclaimer:** None to declare.

**Conflict of Interest:** None to declare.

**Funding Sources:** None to declare.

**References**


**doi:** 10.5455/JPMA.26435.