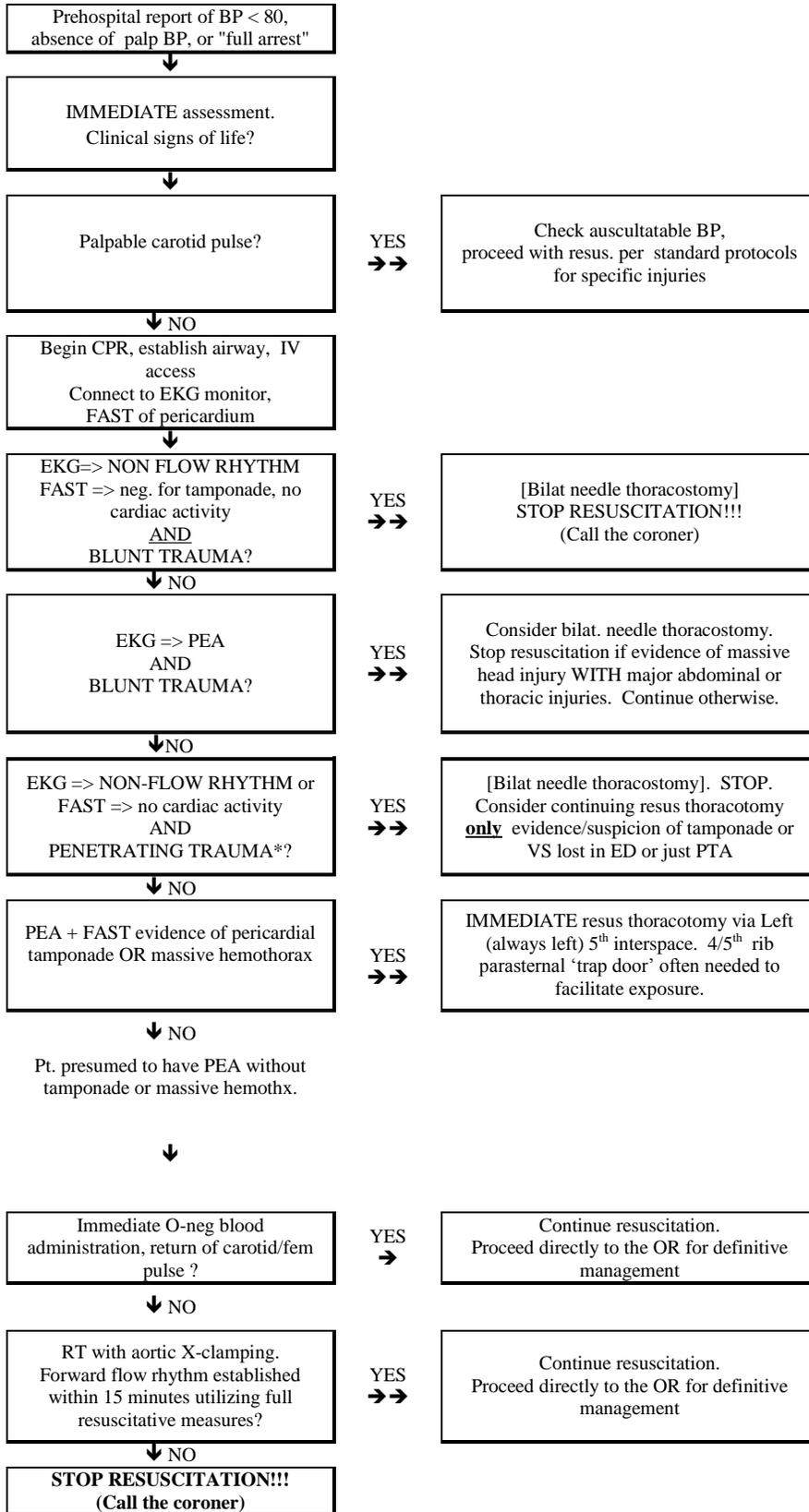


MANAGEMENT ALGORITHM FOR RESUSCITATIVE THORACOTOMY (RT)



COMMENTS

➤ Assessment under these circumstances should be performed as soon as possible, even during transport from the ambulance bay.

➤ The assumption in this algorithm is that non-flow cardiac rhythms and PEA have resulted from end-stage hemorrhagic shock cardiac tamponade, or tension pneumothorax.

- Volume resus. should utilize type 'O' PRBCs
- Mass. trans. protocol is usually activated
- Correct placement of EKG leads MUST BE VERIFIED (CPR deflection, etc.)

NON FLOW RHYTHMS: (NFR)

- Asystole
- V-fib
- Agonal, wide complex bradycardia, HR < 40

● **ISOLOATED, PULSELESS (EMD)**

massive head injuries should be resuscitated in the event they are eligible as organ donors.

- RT occasionally indicated for blunt PEA w/ transient response to BP, or sustained PEA

➤ On rare occasions, cardiac arrest is caused by or exacerbated by tension pneumothorax. Although survival is still extremely low, bilat. needle thoracostomies are recommended.

Technical Maneuvers for RT Include:

- Open cardiac massage
- Aortic X-clamping
- Pulmonary hilar X-clamp for severe pulm ing
- Direct cardiac injection of drugs if needed.
- Pericardial decompression & control of heart wounds for cardiac tamponade
- Open chest defibrillation if needed.

● Resuscitative thoracotomy may be deferred in carefully selected patients bleeding from known, easily controlled sources (e.g. scalp lacs, amputations) IF they are not RELATIVELY bradycardic

The Ultimate Success of RT will Depend on the:

- Extent and duration of the shock state
- Rapidity of flow restoration to heart & brain
- "Fixability" of the traumatic lesion