Abdominal Aortic & Junctional Tourniquet (Stabilized) AAJT-S
Compression Works LLC

Indication for Use: Control of Difficult Bleeding in the Pelvis, Inguinal Area and Axilla

Bleeding in the pelvis, inguinal and axilla regions constitutes one of the most difficult problems faced in penetrating trauma. Junctional bleeding occurs in areas of the body that are not easily amenable to tourniquet application. They are generally the areas where the torso meets the limbs.

Proximal compression of vessels is still the most effective way of hemorrhage control. The Abdominal Aortic and Junctional Tourniquet (AAJT-S) accomplishes this by compressing the descending aorta at or near the bifurcation of the aorta, the common femoral artery in the groin or the subclavian artery in the axilla. Human studies show that the device is effective at stopping blood flow at these sites at inflation pressures of 230 mm Hg.

Contraindications for Use in Abdominal Placement

- Known abdominal aortic aneurysm
- Pregnancy

No Contraindications for Inguinal or Axillary Placement

The risks versus benefits of the device should be considered prior to any application. The dangers of junctional bleeding include imminent exsanguination and death. If direct pressure, extremity tourniquet application or hemostatics do not result in cessation of bleeding the Abdominal Aortic & Junctional Tourniquet provides for a direct pressure capability to stop the flow of arterial blood distal to the application site. Inguinal Placement provides for pressure over the hips and pelvis allowing for pelvic stabilization in the event that the pelvis is broken.

Preventive Maintenance Checks and Services (PMCS)

The device is packaged in a ready to use state in vacuum-sealed packaging. If the device remains in the vacuum-sealed packaging no specific PMCS is required. If the packaging appears to be damaged, whether this is signs of environmental stress or physical damage, PMCS should be conducted as followed.

- Remove device from pouch
- Extend belt, inspect for cuts or fraying. Do not use if belt contains a cut extending more than 2 mm.
- Inspect ratcheting buckle for cracks or breaks.
- Inspect ladder strap for cracks.
- Inspect tubing for signs of wear and damage, if the tubing appears to be damaged, progress to the next step to ensure there is no air leak in the system.

Inflate bladder until pressure gauge shows green indicating 250mm Hg pressure. Allow bladder to remain inflated for 5 minutes. If the pressure gauge drops to the point that the green indicator is not visible then do not use device. A pressure leak may be in the system

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Instructions for Use

Placement:
Indication - bleeding in:

TRUNCAL		JUNCTIONAL USE	
Abdomen		**Groin**	**Axilla**
Pelvis/ Bilateral Legs		Inguinal area/ Legs	Axilla/ Arm
Patient's waist		Hips	Shoulder
Umbilicus		Effected Groin	Axilla

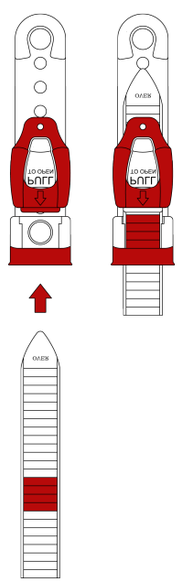
1. Secure device around:
   Connect ladder strap until **RED MEETS RED**
2. Position bladder over:
3. Tighten belt – **REMOVE ALL SLACK**
4. Use ratcheting buckle to complete tightening
5. Inflate bladder until green indicator shows

THE DEVICE MUST BE VERY TIGHT BEFORE INFLATION

The tighter the belt is prior to inflation (achieved by good firm pulling of strap to take out all slack and using the ratcheting buckle to further tighten the device), **the more stable and effective the device**. A tight application allows arterial compression at lower bladder volumes. Lower bladder volumes result in the device working faster and with less discomfort to the patient.

The inflation system incorporates a bleed-off design to keep pressures under 300 mm Hg. The device will prevent over pressurization either by the user during inflation, or in altitude changes when ambient air pressure drops.

RED TO RED



JUNCTIONAL USE
Recommended Application Time for placement for GROIN/AXILLA: up to 4 hours

TRUNCAL USE
Recommended Application Time for placement for ABDOMINAL PLACEMENT: up to 1 hour

EC REP

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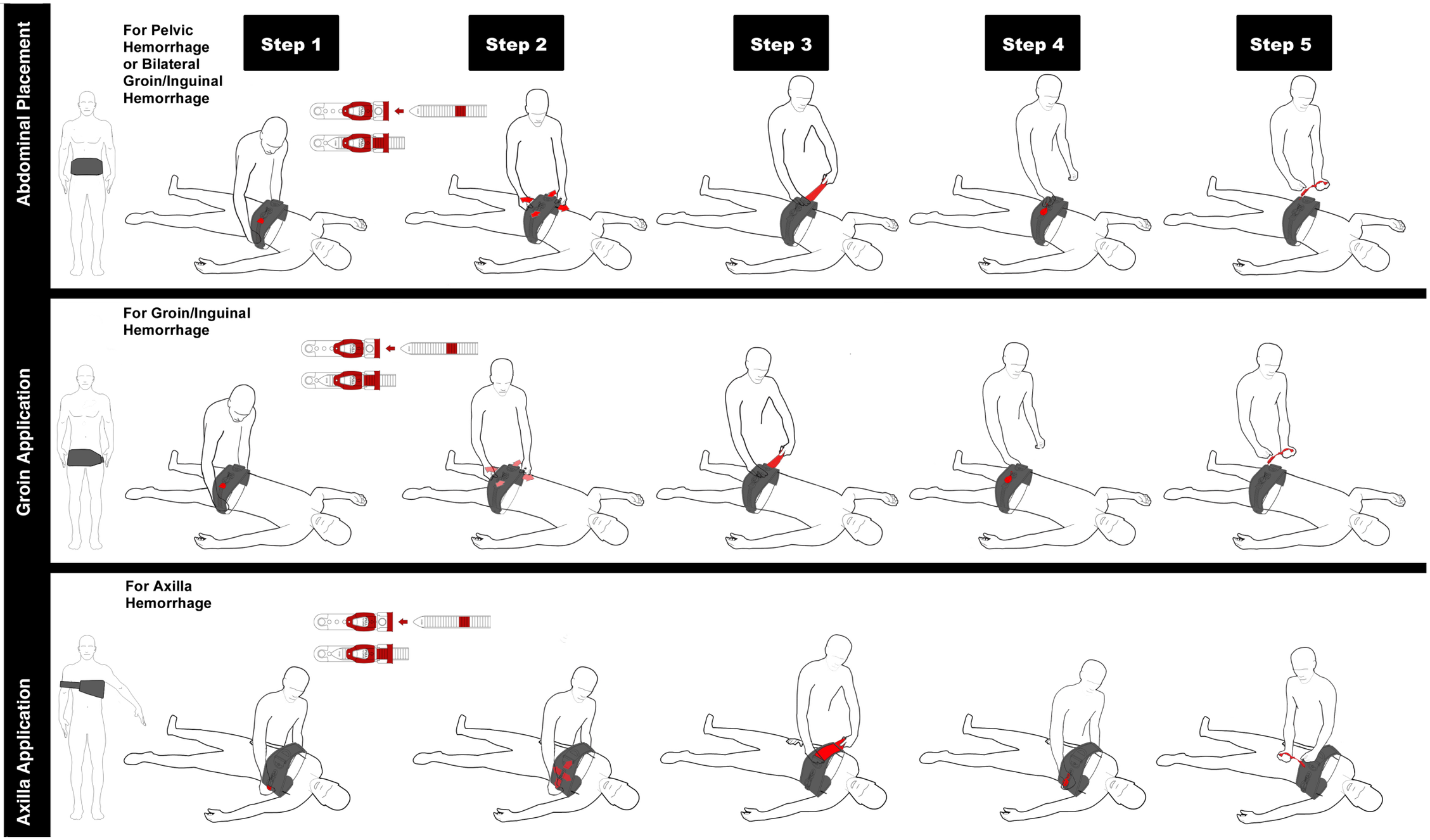
Abdominal Placement
For Pelvic Hemorrhage or Bilateral Groin/Inguinal Hemorrhage
Step 1
Step 2
Step 3
Step 4
Step 5
Groin Application
For Groin/Inguinal Hemorrhage
Axilla Application
For Axilla Hemorrhage