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**ILLINOIS REGION 3 PROTOCOLS**

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**PNEUMATIC ANTISHOCK GARMENT (MAST)****I. INDICATIONS (BLS personnel will request an order)**

- A. Systolic blood pressure less than 80
- B. Shock like symptoms with systolic of 100 or less
- C. Pelvic fracture
- D. Fracture of lower extremity
- E. Spinal shock
- F. Massive abdominal bleeding
- G. Cardiac arrest secondary to trauma

**II. CONTRAINDICATIONS**

- A. Pulmonary Edema
- B. Evisceration (may use leg compartments)
- C. Pregnancy (may use leg compartments)

**III. PRECAUTIONS**

- A. Should only be removed in a hospital under a physician's direction, unless pulmonary edema develops
- B. NEVER allow deflation of the PASG by personnel inexperienced in its use
- C. Remove clothing and fully assess the portions of the body that will be covered by the PASG.
- D. If not able to remove clothing, remove belts and sharp objects from pockets that may damage the PASG or the patient.
- E. Cold weather may cause the suit to lose air. Check pressure frequently to maintain BP at 100-100 systolic

IV. EQUIPMENT

- A. Pneumatic Antishock Garment (MAST)
- B. Blood Pressure Cuff
- C. Stethoscope

V. PROCEDURE

- A. Evaluate need for PASG (including vitals and lung sounds) and leave B/P cuff on the arm
- B. Unfold PASG and lay it flat on a long spine board on the stretcher
- C. Maintaining immobility of the spine, place the patient on the PASG so that the top of the garment is just below the lowest rib
- D. Wrap the PASG around legs and fasten
- E. Wrap abdomen and fasten, (unless contraindicated), being sure the garment does not ride up on ribs
- F. Connect foot pump
- G. Recheck and record vitals
- H. Inflate leg compartments while monitoring blood pressure
- I. If blood pressure not in 100-110 systolic range, inflate abdominal compartment, (unless contraindicated)
- J. When blood pressure is adequate, (100-110 systolic), close stopcocks Do not attempt to increase the blood pressure beyond 110 systolic.
- K. Continue monitoring patient's blood pressure, adding pressure to the trousers as needed

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Blessing Hospital, EMS Medical Director

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Passavant Hospital, EMS Medical Director

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Jersey Community Hospital, EMS Medical Director