

Marquette County EMS Medical Control Authority

Part 1 Section 1

Shock

ALS Protocol

- ABCs
- Oxygen 100%
- Assist Ventilations, prn
- SAO2
- Transport ASAP

- Signs & Symptoms of Shock:**
- Pulse > 120
 - BP < 90 systolic
 - Delayed capillary refill
 - Confusion, restlessness, anxiety, drowsiness
 - Thirst, postural syncope
 - Skin moist/cool

- PASG Indications:**
- Hypotension(symptomatic)
Systolic BP < 90mmHg
 - Fractures of pelvis, femur(s)
 - Neurogenic Shock

Detailed Assessment

Shock present ?

No

IV NS
TKO

Hypovolemic Shock ①

- Elevate legs
- Consider PASG

Septic Shock ②

Cardiogenic Shock

See ACLS Hypotension, Shock, Pulmonary Edema protocol

**Establish IV Access, 2 Large Bore IV ④
Consider doing IV's Enroute**

IV Fluid Challenge
Adult: 500cc ⑤
Peds: 20 cc/kg

BP ?

≤ 90 mmHG

> 90 mmHG

Repeat fluid challenge ⑤

**Reassess ABCs/Vitals
Support respiratory effort**

- Monitor Closely
- Keep Patient Warm/ Consider EKG Monitoring
- Contact Medical Control ASAP

- PASG Contraindications:**
- Penetrating Chest Injury
 - Chronic Pulmonary Edema
 - Acute Cardiac Failure
- Relative Contraindications:**
- Pregnancy (Use legs only)
 - Groin Injury
 - Major Head Inj ③
 - Transport Times < 10 min

- Document:**
- Airway
 - Respiratory Effort
 - Lung Sounds
 - Quality of Pulses
 - Signs & Symptoms of Shock
 - Vital Signs, SpO2
 - Glasgow Coma Scale
 - Skin Color, Temperature
 - Cardiac Rhythm
 - Response to Fluid Bolus
 - Core Temp in Septic Shock

- Possible Post Contact Orders:**
- Use of PASG, if not in use
 - Additional Fluid Challenge
 - Dopamine IV drip 400 mg/250 cc in non-hypovolemic shock. ⑥

Authentication And Approval :

Marquette County EMS Medical Director Date:
Effective Date: 10/19/89 Revision Date: 1/7/03

1 See trauma protocols if appropriate. Control external bleeding.
 2 Septic shock in a child is a medical emergency. Expedite transport!
 3 Inflate PASG with light to moderate pressure to STABILIZE the fractures noted above. See PASG Criteria Protocol.
 4 Adult 2 liters NS or LR, Child 20ml/kg NS or LR
 5 On elderly infuse 250cc fluid challenge, check lung sounds, if clear infuse additional 250cc.
 6 Begin Dopamine at 5 mcg/kg/min, titrating to 20 mcg/kg/min to maintain a systolic pressure of >90 mmHg.