Santa Barbara County EMS County Wide Protocols

Policy 533-20

8 AGES	
SHOCK HADOLENGION	
SHOCK – HYPOTENSION	
ADULT	PEDIATRIC - (14 years and under)
BLS Procedures	
Place patient in supineposition Administer overgon as indicated.	Place patient in supine position Administer overse, as indicated.
Administer oxygen as indicated Refer to Policy 533-02 Airway Management	 Administer oxygen as indicated Refer to Policy 533-02 Airway Management
Hemorrhage control – Policy 544: Tourniquet	Hemorrhage control – Policy 544: Tourniquet
Expanded Scope	
Same as BLS	Same as BLS
ALS Prior to Base Hospital Contact	
Vascular Access	Vascular Access
Hypovolemic Shock	Hypovolemic Shock – Titrate to Age-Appropriate SBP - Refer
Normal Saline	to Appendix A for vital sign chart
• IV/IO Bolus – 1L	Normal Saline • IV/IO Bolus – 20mL/kg
 May repeat x1 for persistent signs of shock Push-Dose Epinephrine 	 May repeat x1 for persistent signs of shock
Refer to Policy 533-10: Push Dose Epinephrine	Push-Dose Epinephrine
	Refer to Policy 533-10: Push Dose Epinephrine
Hemorrhagic Shock – SBP ≤ 90mmHg	Hemorrhagic Shock – Titrate to Age-Appropriate SBP - Refer
Tranexamic Acid (TXA) – Traumatic Injury Only	to Appendix A for vital sign chart
IV/IO – Infuse 1gm (100mL) TXA over 10 mins	Normal Saline • IV/IO Bolus – 20mL/kg
Refer to Policy 533-23: Tranexamic Acid (TXA) Public Popularity Refer to Policy 533-23: Tranexamic Acid (TXA) Public Popularity Refer to Policy 533-23: Tranexamic Acid (TXA)	May repeat x1 for persistent signs of shock
Push-Dose Epinephrine • Refer to Policy 533-10: Push Dose Epinephrine	Push-Dose Epinephrine
Hemorrhage control – Policy 544: Tourniquet	Refer to Policy 533-10: Push Dose Epinephrine
	Hemorrhage control – Policy 544: Tourniquet
Septic Shock	Septic Shock – Titrate to Age-Appropriate SBP - Refer to
Normal Saline	Appendix A for vital sign chart
• IV/IO Bolus – 1L	Normal Saline • IV/IO Bolus – 20mL/kg
 May repeat x1 for persistent signs of shock Push-Dose Epinephrine 	 May repeat x1 for persistent signs of shock
Refer to Policy 533-10: Push Dose Epinephrine	Push-Dose Epinephrine
	Refer to Policy 533-10: Push Dose Epinephrine
Anaphylactic Shock	Anaphylactic Shock –Titrate to Age-Appropriate SBP - Refer
Epinephrine 1mg/mL	to Appendix A for vital sign chart
• IM – 0.3mg	Epinephrine 1mg/mL • IM − 0.01mg/kg
 May repeat every 5 mins x2 Push-Dose Epinephrine 	Patient weighs 15kg – 30kg
Refer to Policy 533-10: Push Dose Epinephrine	 IM – 0.15mg (Max total dose of 0.15mg)
Normal Saline	 Patient weighs > 30kg IM – 0.3mg (Max total dose of 0.3mg)
• IV/IO Bolus – 1L	Contact BH for further
○ May repeat x1 for persistent signs of shock	Push-Dose Epinephrine Refer to Policy 533-10: Push Dose Epinephrine
	Normal Saline
	IV/IO Bolus – 20mL/kg
	○ May repeat x1 for persistent signs of shock
Cardiogenic Shock	Cardiogenic Shock – Titrate to Age-Appropriate SBP - Refer to
Push-Dose Epinephrine	Appendix A for vital sign chart
Refer to Policy 533-10: Push Dose Epinephrine Normal Saline	Push-Dose Epinephrine
IV/IO Bolus – 1L	Refer to Policy 533-10: Push Dose Epinephrine Normal Saline
∘ Re-evaluate lung sounds after 500mL	IV/IO Bolus – 20mL/kg
∘ If signs of pulmonary edema/CHF, decrease to TKO	∘ Re-evaluate lung sounds
∘ If patient becomes normotensive, decrease to TKO	 If signs of pulmonary edema/CHF, decrease to TKO If SBP age-appropriate, decrease to TKO
Last Reviewed/Revised: December 3	

Last Reviewed/Revised: December 31, 2023 Next Review Date: December 31, 2025

Effective Date: April 1, 2024



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Neurogenic Shock

Push-Dose Epinephrine

• Refer to Policy 533-10: Push Dose Epinephrine

Normal Saline

- IV/IO Bolus 1L
 - May repeat x1 for persistent signs of shock

Neurogenic Shock – Titrate to Age-Appropriate SBP - Refer to Appendix A for vital sign chart

Push-Dose Epinephrine

• Refer to Policy 533-10: Push Dose Epinephrine

Normal Saline

- IV/IO Bolus 20mL/kg
 - May repeat x1 for persistent signs of shock

Base Hospital Physician Orders Only

Consult with ED Physician for further treatment measures

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Additional Information

Tranexamic Acid (TXA)

- TXA is indicated for patients with traumatic injuries per <u>Policy</u> 533-23 – Tranexamic Acid.
- TXA may be administered for emergency medical conditions outside of these indications with Base Hospital Physician Order only.

Signs and Symptoms of Septic Shock

- Physiological Response
 - o Fever (or Hot to the Touch)
 - o Tachycardia
 - o Tachypnea
 - o ALOC
- History or Physical Exam Suggestive of Infection
 - o Pneumonia
 - o UTI
 - o Cellulitis
 - o Infected Wound

Effective Date: April 1, 2024

o Currently Taking Antibiotics

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