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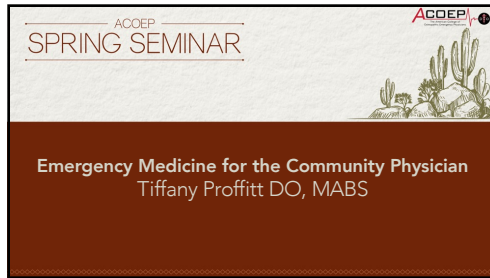
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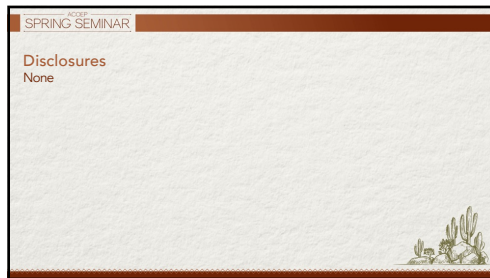
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### Objectives

- Discuss some of the challenges of practicing Emergency Medicine in a Community Setting.
- Review some of the chronic diseases you may be managing.
- Discuss maximizing your available resources.



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### Existential question?

- My love letter to community medicine



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Rewarding



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**TNKase for STEMI**  
- American College of Chest Physicians (ACCP)/Journal of American College of Cardiology recognizes TNKase as a Class 1A recommendation in the treatment of STEMI patients within 12 hours from the onset of symptoms.

Table 4  
Indications for Fibrinolytic Therapy When There Is a >120-Minute Delay From FMC to Primary PCI (Figure 2)

	COR	LOE	References
Ischemic symptoms <12 h	I	A	(81,306–311)
Evidence of ongoing ischemia 12 to 24 h after symptom onset and a large area of myocardium at risk or hemodynamic instability	IIIa	C	N/A
ST depression, except if true posterior (inferobasal) MI is suspected or when associated with ST elevation in lead aVL	III	B	(10,11,181,312,313)
		Harm	

COR indicates Class of Recommendation; FMC, first medical contact; LOE, Level of Evidence; MI, myocardial infarction; N/A, not available; and PCI, percutaneous coronary intervention.

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### Pediatric Resuscitation Meds: Handtevy Method

Weight in kg

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### Pediatric resuscitation - Handtevy Method

<b>15 kg</b>	<b>20 kg</b>	<b>25 kg</b>
Epi 1:1,000 IM 0.15 mL	Epi 1:1,000 IM 0.2 mL	Epi 1:1,000 IM 0.25 mL
Epi 1:10,000 IV 1.5 mL	Amiodarone 2 mL	Epi 1:10,000 IV 2 mL
Atididrona 15 mL	Bicarb 8.4% 20 mL	Amiodarone 2.5 mL
Bicarb 8.4% 15 mL	D <sub>5</sub> W 40 mL	Bicarb 8.4% 25 mL
D <sub>5</sub> W 20 mL	Normal Saline 400 mL	D <sub>5</sub> W 30 mL
Normal Saline 500 mL	Lorazepam 1 mL	Normal Saline 500 mL
Lorazepam 0.75 mL	Chiazepam (MN) 0.8 mL	Chiazepam (MN) 1 mL
Chiazepam (MN) 0.6 mL	ETT (mg/kg LMA) 1.6 (0.12-1.8)	Chiazepam (MN) 1.2 mL
ETT (mg/kg LMA) 1.6 (0.12-1.8)		ETT (mg/kg LMA) 1.6 (0.12-1.8)

<b>10 kg</b>	<b>30 kg</b>
Epi 1:1,000 IM 0.1 mL	Epi 1:1,000 IM 0.3 mL
Epi 1:10,000 IV 1 mL	Epi 1:10,000 IV 2 mL
Amiodarone 1 mL	Amiodarone 3 mL
Bicarb 8.4% 15 mL	Bicarb 8.4% 20 mL
D <sub>5</sub> W 20 mL	D <sub>5</sub> W 30 mL
Normal Saline 200 mL	Normal Saline 500 mL
Lorazepam 0.5 mL	Lorazepam 1.5 mL
Chiazepam (MN) 0.4 mL	Chiazepam (MN) 1.2 mL
ETT (mg/kg LMA) 1.6 (0.12-1.8)	ETT (mg/kg LMA) 1.6 (0.12-1.8)

**The Handtevy™ Pediatric Code**

\*NOTE: The quantity of drug to give (10x) depends on the brand strength of the medication used.

• Epi 1:1,000 IM 1 mg/mL  
 • Amiodarone 1 mg/mL  
 • Bicarb 8.4% 100 mg/10 mL  
 • D<sub>5</sub>W 50 mg/100 mL  
 • Normal Saline 0.9%  
 • Lorazepam 1 mg/2 mL  
 • Chiazepam 10 mg/mL

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### Consultants

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**Manual Exchange Transfusion:**

- GOAL: % Hemoglobin S decreased to target <30%, Total hemoglobin concentration is usually targeted to ~10 mg/dL.
- A typical adult may require ~5-8 units of red blood cells during an exchange transfusion



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**Manual Exchange Transfusion:**

[Step #1] Two-unit exchange:

- #1A) Bleed the patient
  - Volume varies depending on baseline hemoglobin.
  - Withdrawal of blood – Gravity to an empty bag, or a 50-ml syringe with a 3-way stopcock.
    - If baseline hemoglobin is 6-8 g/dL, bleed 250 ml.
    - If baseline hemoglobin is 8-10 g/dL, bleed 500 ml.
    - If baseline hemoglobin is 10-12 g/dL, bleed 750 ml total (in two divided phlebotomies; see #1B).
    - If baseline hemoglobin is >12 g/dL, bleed 1,000 ml total (in two divided phlebotomies; see #1B).
- #1B) Infuse a volume of crystalloid equal to the volume of blood removed in #1A.
  - For patients being phlebotomized 750-1000 ml, this may be performed in two stages to prevent hypovolemia (First remove 375 or 500 ml blood; replace with 375 or 500 ml crystalloid, then remove an additional 375 or 500 ml blood and replace again with crystalloid).
- #1C) Infuse two units of packed red blood cells.
- #1D) Infuse crystalloid in equal volume to the amount of packed cells administered (this will be roughly ~500 ml).

•[Step #2] Reassess:

- [Step #3] If the post-exchange hemoglobin is >12 mg/dL, remove 500 ml blood to avoid hyperviscosity.
- [Step #4] Perform repeated exchanges (steps #1-3) as needed to achieve target number of exchanged units (e.g., 4-8 units total).



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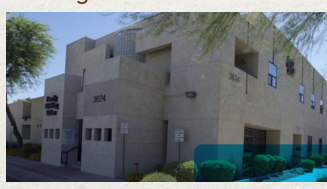

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**All the things...**

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### Panda v Giraffe

What's the difference?

- Giraffe Warmer
- NICU use
- Mattress that can be rotated for access
- General observation light and procedure light
- Panda Warmer
- Intended for Labor and Delivery Unit
- General observation light
- No procedure light
- No rotating Mattress



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THANK YOU!!!!



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