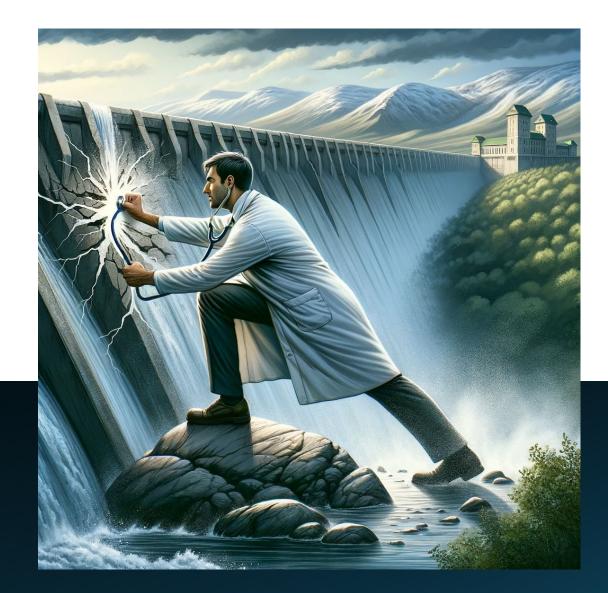
# The 506J Device List & our Next Critical Care Crisis!

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### Disclaimer





### Intentions are good

### Anxiety is high

# Objectives

"A manufacturer of a device that (1) is critical to public health during a public health emergency, including devices that are life-supporting, life-sustaining, or intended for use in emergency medical care or during surgery"

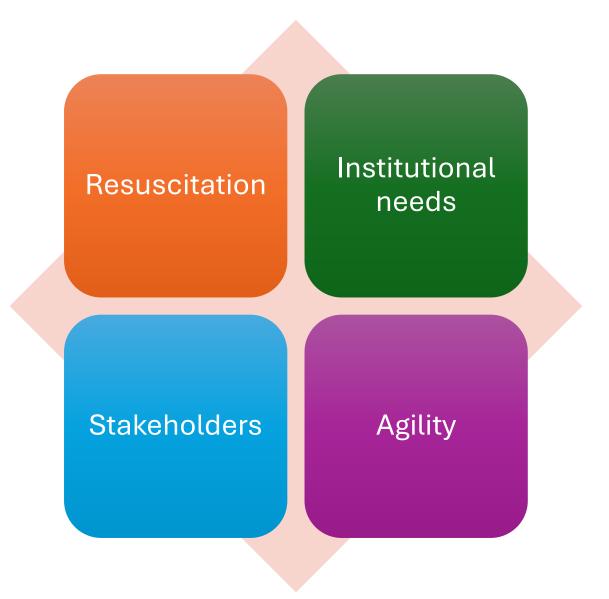
- What is essential
- Maybe... what don't we need?

# What did we learn from COVID-19?

- Differing perspectives are helpful, but proceed with caution
- Information overload
- Social Media
- Crisis leads to positive change
- Perspectives on oxygenation and managing respiratory failure
- Reaction versus Anticipation
- Ethical considerations



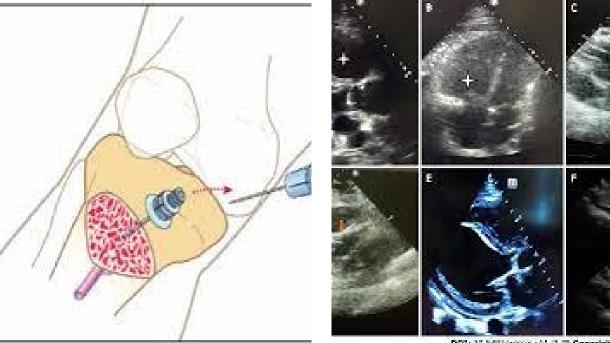
# Overview



# Resuscitation Must haves!

- Resuscitation equipment
  - Airway
  - Vascular access
  - Hemostasis/ hemorrhage control





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### Resuscitation

- Point-of-care Ultrasound
- Iv flushes (sterile)
- Intraosseous access kits

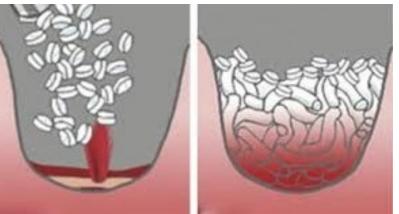


#### Airway

- Diagnostic laryngoscopy
  - Glidescope (video)
  - Different ETT sizes
    - Bougie
- Disposable bronchoscopy







#### SINGLE-HANDED APPLICATION



 Full the free and of the sourn oper to make it as light as possible and secure the free and



3. Secure the windless code to keep the tourniquet tight.



Spinning the windless (rod) until tweeding stops.



4. Record the time the tourniquet was applied





### Hemostasis



Institution Capability and Expectations

# Advanced critical care devices

- 2<sup>nd</sup> and 3<sup>rd</sup> order consequences:
  - Distribution
  - Allocation
  - Supply chain
  - Ancillary/ support equipment
    - Filters, tubing, etc.
    - Heparin
      - $\rightarrow$  bleeding complications
    - Insulin
    - Intravenous fluids
    - Prophylactic antibiotics
    - Volume and Frequency of laboratory testing





# Imaging, Transport, Portability

# Space constraints



# Disposable and Single Use Devices



# Point-of-Care laboratory testing

Rajsic S, Breitkopf R, Bachler M, Treml B. Diagnostic Modalities in Critical Care: Point-of-Care Approach.

Diagnostics (Basel). 2021 Nov 25;11(12):2202. doi: 10.3390/diagnostics11122202.

PMID: 34943438; PMCID: PMC8700511.



# Reimagining Stakeholders

#### Who?

- Changes over time
- Forgotten
- Maybe don't even know they exist?
- Relationship in a different capacity than previously

#### Ethics

#### Patient populations

- Health literacy
- Expectations
- Morbid obesity
- High prevalence of drug abuse
- Change in alcohol use patterns

# Population



# Transport

### Ability to transfer to definitive care

#### Open channels

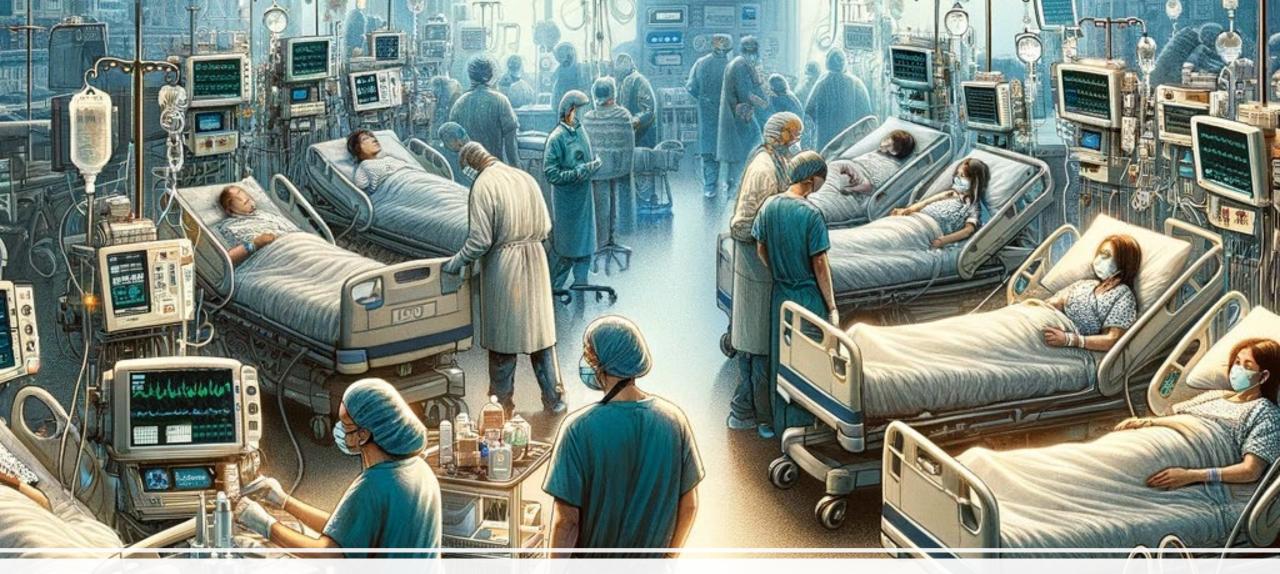
Air

Land



# Agility

- What don't you need on this list?
- Reduce waste
- Iterative approach
  - Can you create a "living guideline" that is periodically updated



# **Questions?**

