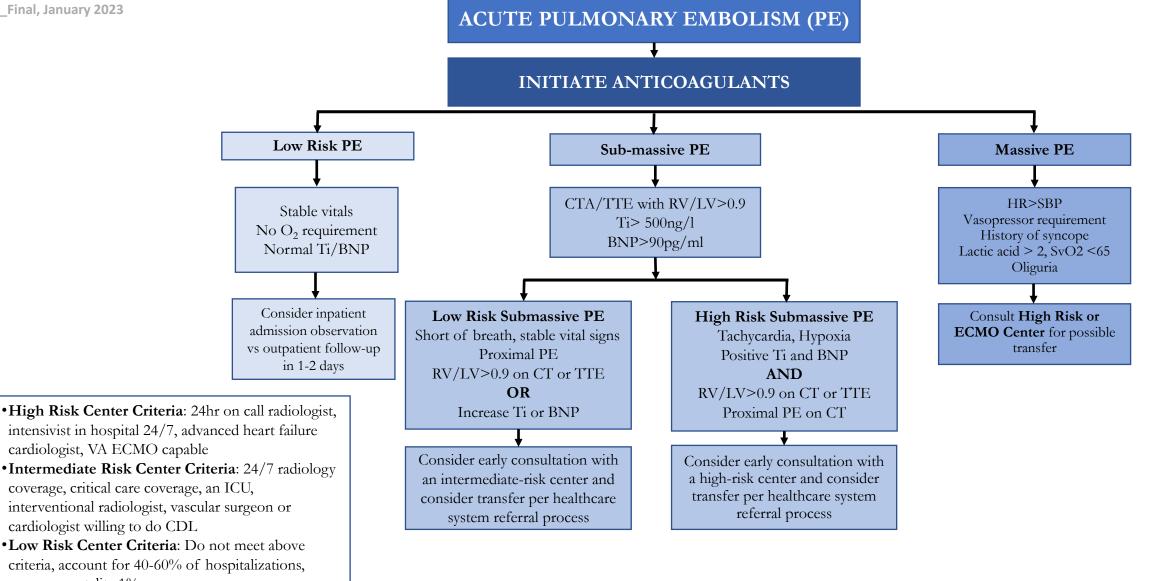
## **Regional Pulmonary Embolism Guidelines**

Southwest Texas Regional Advisory Council

v Final, January 2023

average mortality 1%



BNP = brain natriuretic peptide; CDL=catheter directed thrombolysis; CTA=CT Angiography; LV=left ventricle; PERT=pulmonary embolism response team; RV=right ventricle; SBP=systolic blood pressure; ST=systemic thrombolysis; Ti=high sensitivity troponin; TE=transthoracic echocardiogram



## STRAC REGIONAL ECMO CONSULTATION GUIDELINES

Early recognition of disease severity and request for consultation is essential to maximize outcomes for patients who may benefit from ECMO. Please refer **ANY** patient (*pediatric or adult*) meeting **ANY** one of the below criteria.

CONSIDERATIONS FOR ECMO CONSULTATION\*
<u>Cardiac Considerations:</u> (cardiogenic shock, AMI, acute decompensated heart failure, refractory ventricular arrythmia, pulmonary embolism)
Hypotension despite 1 pressor (secondary to cardiac dysfunction, not septic shock)
Lactate > 2.5
Decreased urine output (< 30 mL/hr) despite medical optimization</li>
<u>Pulmonary Considerations:</u> (ARDS, hypercapneic respiratory failure, PE)
PaO<sub>2</sub>:FiO<sub>2</sub> Ratio <150</li>
pH <7.25 and/or PaCO<sub>2</sub> > 60 for > 4 hrs
High ventilator support: PIP > 30, PEEP > 10, or FiO<sub>2</sub> > 0.6
Active air leak (pneumothorax/pneumomediastinum) despite lung protective mechanical ventilation settings

\*These conditions are not all inclusive. They are recommendations for early consultation with an ECMO Center, not necessarily indications for ECMO.

## **RELATIVE ECMO EXCLUSION CRITERIA:**

- Severe neurologic injury/neurodegenerative conditions
- Intracranial bleeding or neurosurgical procedures within the last 5 days
- Mechanical Ventilation >10 days on PEEP > 10, PIP > 30, MAP > 25, FiO<sub>2</sub> > 0.6
- Active, uncontrolled bleeding
- Malignancy with poor prognosis

## STRAC ECMO Referral Centers:

Children's Hospital of San Antonio (CHoSA) 877-255-5439	Brooke Army Medical Center 210-916-ECMO (3266)	Methodist Hospital 210-575-ECMO (3266)	University Health 210-844-2347
Pediatric Only	Adult (includes Civilians)	Adult and Pediatric	Adult and Pediatric
Conventional transport	ECMO transport	ECMO transport	Conventonal transport
capable	capable	capable	capable