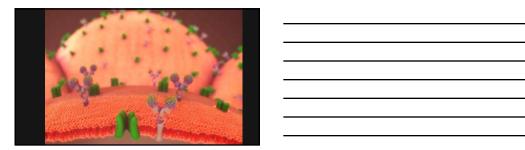


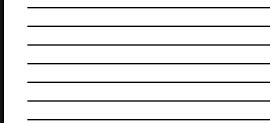


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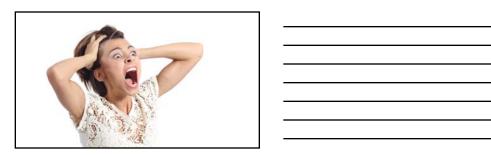




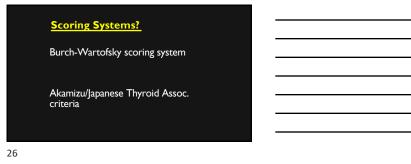






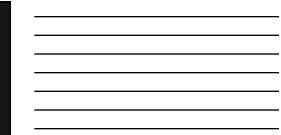


PITFALL
Thyroid storm is often misdiagnosed!
•Sepsis
•CNS infection
•Alcohol withdrawal
•Cocaine
 Hypertensive emergency
•CHF
•Heat-related illness

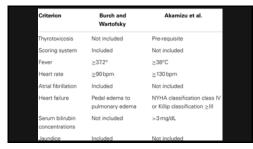


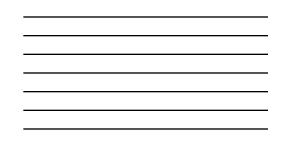
Criteria	Points
Thermoregulatory dysfunction	
Temperature (°F)	
99.0-99.9	5
100.0-100.9	10
101.0-101.9	15
102.0-102.9	20
103.0-103.9	25
≥ 104.0	30
Cardiovascular	
Tachycardia (beats per minute)	
100-109	5
110-119	10
120-129	15
130-139	20
\geq 140	25
Atrial fibrillation	
Absent	0
Present	10
Congestive heart failure	
Absent	0
Mild	5
Moderate	10
Severe	20







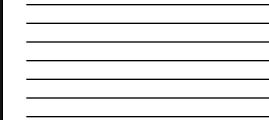




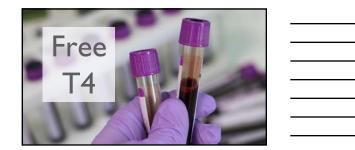




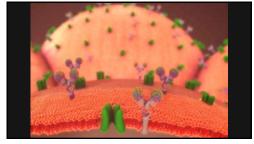




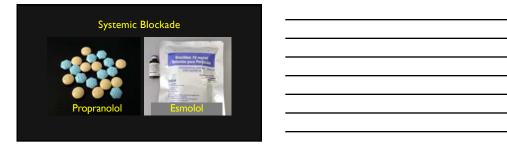








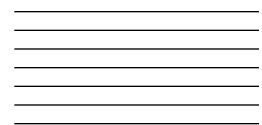




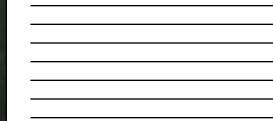










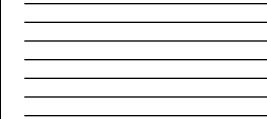






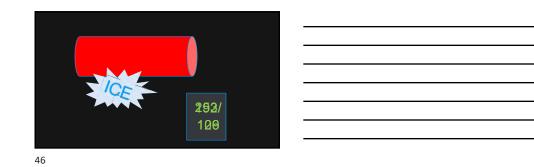


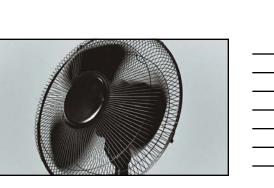












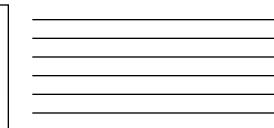




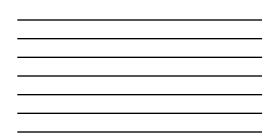






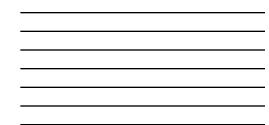




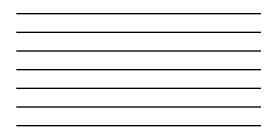






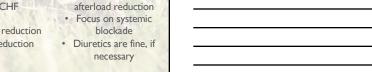








Low Contractility	High Contractility
 Treat like any other low output CHF Diuretics Afterload reduction Preload reduction 	 Avoid preload and afterload reduction Focus on systemic blockade Diuretics are fine, if necessary







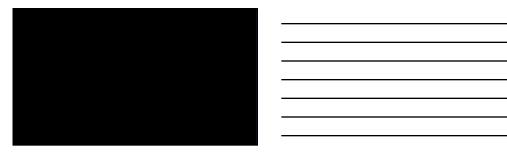
Take Home Pearls

- Consider thyroid storm in patients with elevated vitals and AMS.
- Treat thyroid storm in a stepwise approach.Passive cooling and acetaminophen for hyperthermia. Benzos for agitation.
 Heart failure? Use your US to guide therapy.
 Don't forget to treat the stressor.

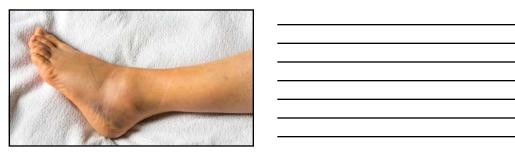


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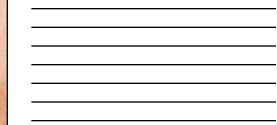




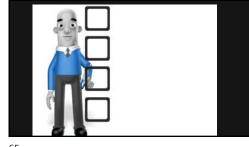




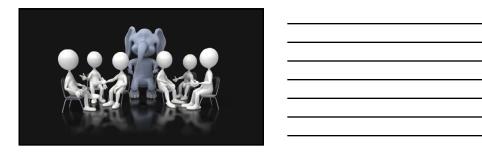




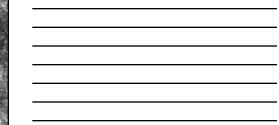














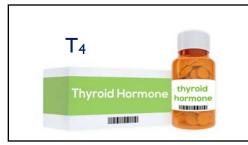




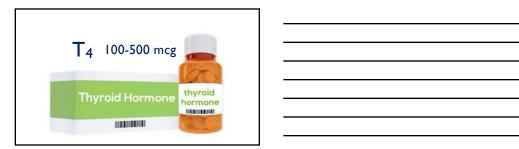






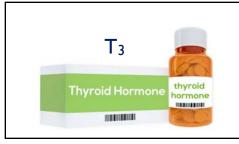










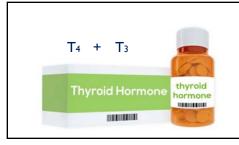




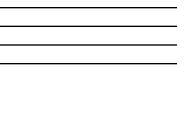




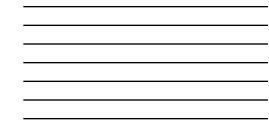




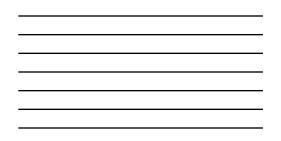
















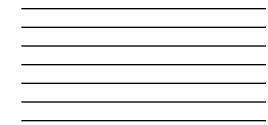


















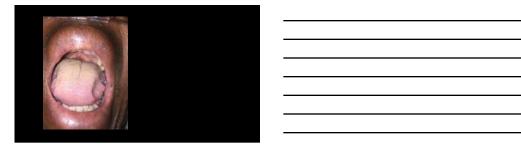




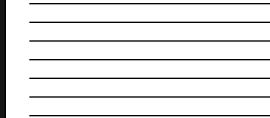
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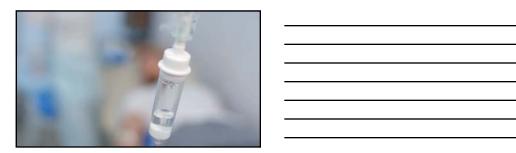




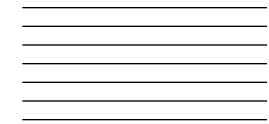








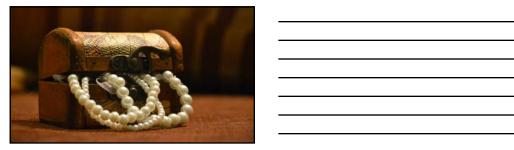












Take Home Pearls

- Consider myxedema in patients with decreased vitals and altered sensorium.
- Consider dual thyroid replacement and administer after the stress dose steroids,
- Passive rewarming only so as to not precipitate circulatory collapse. Be careful with intubation.

• Don't forget about the stressor.





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