







WHAT IS IT?

Core body temperature >104°F (40°C) and CNS dysfunction (e.g., confusion, agitation, seizures, coma)

600-700 deaths annually in the U.S.

Disproportionally affects athletes, outdoor workers, elderly, children, and those with chronic illnesses









٠	Thermoregulation	Failure:	Body	can't	dissipate
	heat effectively.				

- Heat Production vs. Heat Loss:
- Increased metabolic heat (exercise).
- Decreased heat dissipation (high humidity).
- Cellular Impact: Protein denaturation, enzyme dysfunction, systemic inflammation.

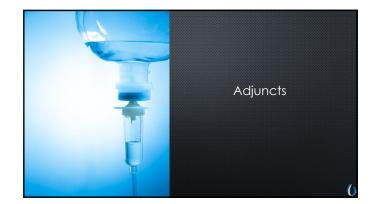


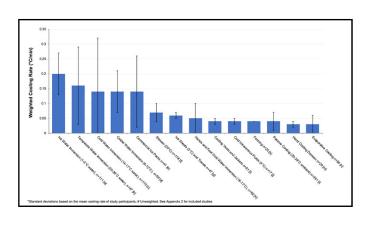


















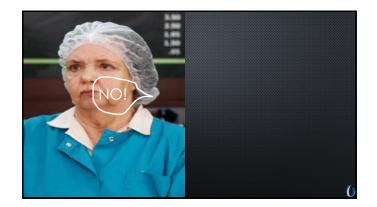
COMPLICATIONS:

- Rhabdomyolysis: Monitor creatine kinase, aggressive hydration
- Acute Kidney Injury: Monitor renal function, maintain urine output.
- Coagulopathy: DIC management; monitor coagulation profile.
- Electrolyte Imbalances: Correct sodium, potassium, calcium.
- Burns

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"We need ICE! Where is it?"



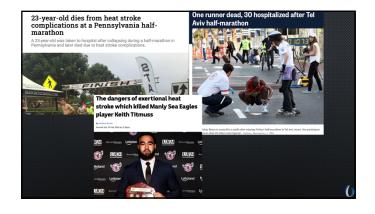




Plan Heat Stroke Protocol	
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- Body Bag
- Ice (instructions on where to get it)
 A method to continuously monitor core temp (bladder or esophageal probe)
 Any adjuncts available at your shop (cooling caths)
- etc)
- If a suspected or confirmed heat stroke is coming in, go ahead and get these items to bedside!

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