



Therapeutic Hypothermia

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Therapeutic temperature management definitions

Hypothermia

Core temperature $<36^{\circ}\text{C}$ regardless of the cause

Therapeutic hypothermia

Controlled induced hypothermia: induced hypothermia
With the potentially deleterious effects, such as shivering, being controlled or suppressed

Controlled normothermia/ therapeutic normothermia

Bringing down core temperature in a patient with fever & maintaining temperature within a range of $36\text{-}37.5^{\circ}\text{C}$ with the potentially deleterious effects, such as shivering, being controlled or suppressed

TH: temperature range definitions

Mild 34-35.9°C

Moderate 32-33.9°C

Moderate/deep 30-31.9°C

Deep <30°C



Core temperature

- Gold standard : blood temperature, measured with a pulmonary artery catheter.
- Most commonly used temperature monitoring sites : **esophagus**, tympanic membrane, bladder, rectum.
- Continuous temperature feedback system.
- Lag time between registered & measured core temp.

Temperature Probes



Esophageal Stethoscope



Esophageal/Rectal/
General Purpose Probe

