

HYPOTHERMIA

● MILD ● MODERATE ● SEVERE ● PROFOUND

CORRELATION OF CORE TEMPERATURE AND PHYSIOLOGICAL CHANGES

CREATED BY STRATA5.CO.UK

Maximum shivering,
impaired judgment, confusion

35⁰

Tachycardia, tachypnoea,
increased SVR, cold diuresis

Bradycardia, respiratory
depression, hyperglycaemia,
dysarthria, ataxia

34⁰

33⁰

Stupor, lethargy, arrest
of shivering thermogenesis

Atrial arrhythmia, Osborn J-waves
on ECG, worsening bradycardia

32⁰

31⁰

Insulin ineffective,
decreased oxygen consumption

Progressive decreased level
of consciousness, pulse,
respiratory rate

30⁰

29⁰

Increased susceptibility for
ventricular fibrillation,
pulse rate and oxygen
consumption decreased by 50%

Loss of reflexes and voluntary
movement, hypoglycaemia

28⁰

27⁰

Acid-base disturbances,
no response to pain

Cerebral blood flow decreased
by 2/3, pulmonary
oedema, apnoea

26⁰

25⁰

Hypotension

Corneal and oculocephalic
reflexes absent

24⁰

23⁰

Maximum risk for ventricular
fibrillation, oxygen
consumption 25% of normal

Lowest resumption of cardiac
activity, pulse 20% of normal

22⁰

20⁰

Asystole

19⁰