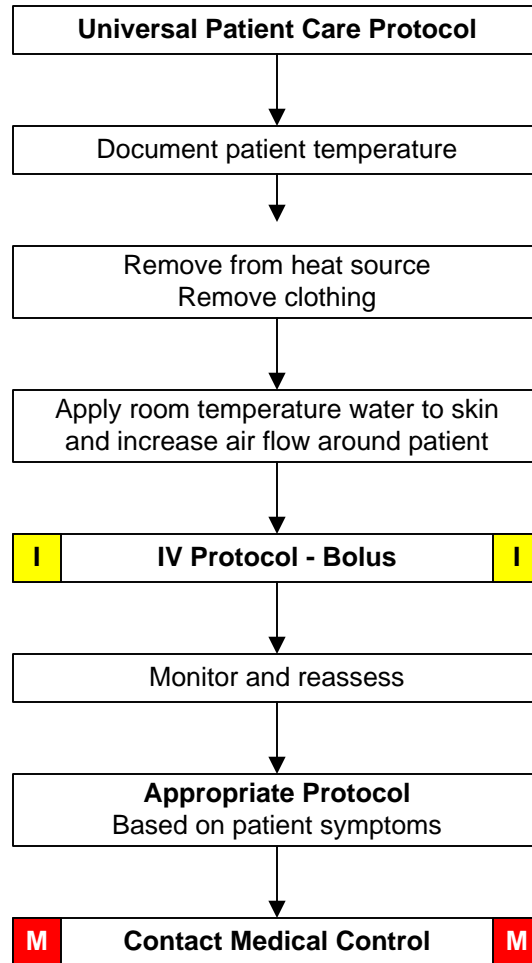




# Hyperthermia



<b>History:</b> <ul style="list-style-type: none"> <li>• Age</li> <li>• Exposure to increased temperatures and / or humidity</li> <li>• Past medical history / medications</li> <li>• Extreme exertion</li> <li>• Time and length of exposure</li> <li>• Poor PO intake</li> <li>• Fatigue and / or muscle cramping</li> </ul>	<b>Signs and Symptoms:</b> <ul style="list-style-type: none"> <li>• Altered mental status or unconsciousness</li> <li>• Hot, dry or sweaty skin</li> <li>• Hypotension or shock</li> <li>• Seizures</li> <li>• Nausea</li> </ul>	<b>Differential:</b> <ul style="list-style-type: none"> <li>• <b>Fever (Infection)</b></li> <li>• <b>Dehydration</b></li> <li>• <b>Medications</b></li> <li>• <b>Hyperthyroidism (Storm)</b></li> <li>• <b>Delirium tremens (DT's)</b></li> <li>• <b>Heat cramps</b></li> <li>• <b>Heat exhaustion</b></li> <li>• <b>Heat stroke</b></li> <li>• <b>CNS lesions or tumors</b></li> </ul>
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Legend		
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<b>Pearls:</b> <ul style="list-style-type: none"> <li>• <b>Exam: Mental Status, Skin, HEENT, Heart, Lungs, Neuro</b></li> <li>• Extremes of age are prone to heat emergencies (i.e. young and old).</li> <li>• Predisposed by use of: tricyclic antidepressants, phenothiazines, anticholinergic medications, and alcohol.</li> <li>• Cocaine, Amphetamines, and Salicylates may elevate body temperatures.</li> <li>• Sweating generally disappears as body temperature rises above 104° F (40° C).</li> <li>• Intense shivering may occur as patient is cooled.</li> <li>• <b>Heat Cramps</b> consists of benign muscle cramping 2° to dehydration and is not associated with an elevated temperature.</li> <li>• <b>Heat Exhaustion</b> consists of dehydration, salt depletion, dizziness, fever, mental status changes, headache, cramping, nausea and vomiting. Vital signs usually consist of tachycardia, hypotension, and an elevated temperature.</li> <li>• <b>Heat Stroke</b> consists of dehydration, tachycardia, hypotension, temperature &gt;104° F (40° C), and an altered mental status.</li> </ul>
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