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|  | Department Name Address | ILS | EMT/Intermediate |
| | | Revision # | |
| | | Implementation Date | |
| Protocol | 3.1.28 Frostbite | Last Reviewed/Update Date | |
| Author / Owner | | Medical Director | |

Frostbite can occur in three levels of severity:

- A. First degree: Presents itself as numbed skin that may turn white in color and waxy in appearance. The skin may feel stiff to the touch, but the tissue under is still warm and soft.
 - B. Second degree: The skin will be white or blue and will feel hard and frozen. Blistering and edema are likely. Second degree frostbite is a serious medical condition.
 - C. Third degree: The skin is white, blotchy, and/or blue. The tissue underneath is hard and cold to the touch. The tissue underneath has been damaged and blistering is inevitable.
1. Baseline care standards.
 2. Remove patient from cold environment.
 3. Check core temperature.
 - If core temperature is < 35° C, refer to Hypothermia protocol.
 4. Protect from further heat loss.
 5. Place patient in warm, dry place.
 6. Remove wet clothing. Dry patient and cover with dry linen.
 7. Administer O₂ 15L per minute via non-rebreather mask. Use warmed humidified O₂ if available.
 8. Remove jewelry, gloves, shoes, and other restrictive objects.
 9. Attend to injured areas:
 - Protect from pressure, trauma, and friction.
 - Do not rub or massage.
 - Do not allow limb to thaw if there is a chance it will refreeze.
 - Do not allow patient to ambulate once the limb has started to thaw.
 - Consider warming in warm water, monitoring water to make sure temp stays constant.

- Continue until distal tip of injured extremity flushes.
- Dry and wrap affected area with dry sterile dressings.

10. DO NOT rapidly rewarm.

11. Use a pulse oximeter probe to detect peripheral perfusion in affected tissues.

12. Establish IV access in unaffected limb.

13. For pain control or if patient's condition is life threatening, call for ALS intercept.

14. Transport to nearest appropriate hospital.

Medical Director's Signature

Date

Disclaimer:

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