

## **Environmental Emergency Quick-Cases**

**For each quick-case you should be able to:**

1. Identify the injury.
2. Differentiate the injury from others in it's class
3. Describe the pathophysiology.
4. List your management plan for the patient.
5. Describe exactly how each part of your management plan will benefit the patient.

### **Case 1**

A 22 y/o F presents c/o pain in her left hand after participating in a snowball fight during which she lost her left glove. Your PE reveals skin that is soft and cold to the touch with a blanched appearance. Pt reports decreased sensation to her left hand.

Diagnosis:

Treatment:



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### **Case 2**

A 33 y/o M presents after being lost on a ski mountain for 12 hours. He is A&O x 2. Primary assessment is intact. C/C of bilateral hand pain after losing his gloves several hours ago while skiing. Your PE reveals white, waxy, and firm skin to both hands and fingers with swelling and blisters.

Diagnosis:

Treatment:



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### **Case 3**

A 32 y/o M presents sitting on ground, CAOx4 c/o dizziness and weakness. Pt states he was playing soccer with his friends “for 3 or 4 hours” in hot conditions. He states that he feels better when laying down. You note that his HR is rapid, his breathing is slightly fast and deep, and his skin is cool, pale, and moist.

Diagnosis:

Treatment:



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### **Case 4**

A 42 y/o M astronaut presents C&A with AMS. Pt is aware of person but not of place, time, or event. He was participating in full-spacesuit training in a hot & humid day. You note that his skin is hot, slightly diaphoretic, and flushed.

Diagnosis:

Treatment:



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### **Case 5**

A 22 y/o M presents CAO in obvious pn after being bitten by his pet rattlesnake. He c/o weakness & dizz. You note a single puncture mark on her L middle finger with ecchymosis and bleeding.

Diagnosis:

Treatment:





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### **Case 5**

A 43 y/o M presents supine on a golf course c/o chest and back pn. Bystanders report that the patient was found as described after a violent lightening storm rolled through the area. He has no memory of any event, woke on ground with people standing over him. You note a odd pattern on the patient's posterior torso.

Diagnosis:

Treatment:

