



Definition Of Hypothermia

◆The Cooling Of The Core Or Internal Temperature To A Level At Which Normal Muscular And Brain Functions Are Impaired Or Reduced.

Causes Of Hypothermia

- ◆Cold.
- ♦Wind.
- ◆Moisture.

Contributing Factors

- ♦ Wet Clothing.
- **♦**Fatigue.
- ♦ Anxiety.
- ♦Illness Or Injury.
- ◆Too Heavy A Load.

(cont)

- ◆Inadequate Diet.
- ◆Lack Of Water.
- ◆Lack Of Forethought & Planning.
- Overestimation Of The Groups Ability.

Symptoms Of Hypothermia

- ◆Sensation Of Chilliness, Skin Numbness, Minor Muscular Impairment, Shivering.
- ◆Feeling Of Weakness, Muscle Uncoordination, Slow Stumbling Pace, Mild Confusion.
- ◆Stumbling & Falling, Slow Thought & Speech.

(cont)

- Cessation Of Shivering, Inability To Walk
 Or Stand, Incoherence & Irrationality.
- ◆ Semi Consciousness, Dilation Of Pupils, Weak Heart Beat & Pulse.
- Unconsciousness; Death Due To Heart Stoppage.

Treatment

- Early Recognition Is Important.
- Stop, Provide Shelter.
- Put On Dry Clothes.
- ◆ Put Into Sleeping Bag, Remember To Insulate From The Ground.
- ◆ Ensure Head Hands & Feet Are Covered.
- Give Warm Drinks.
- On Recovery Treat As A Stretcher Case.

Prevention

- ◆Understand Exposure & Its Symptoms.
- Carry Correct Equipment.
- ◆Obey M & CWW Safety Rules.
- ◆Eat & Drink Sufficiently.
- ◆Dress In Accordance With Temperature & Weather.
- ◆Understand The Wind-chill Factor.







Definition Of Frostbite

◆Frostbite Is The Freezing Or Partial

Freezing Of Parts Of The Body,

Usually The Face And Extremities,

The Hands And Feet.

Degrees Of Severity

- ◆Frostnip.
- ◆Superficial.
- ◆Deep.

Frostnip

- ◆ A Temporary Condition. If Normal Colour & Sensations Return Within 30 Mins Of Re-warming Training May Continue.
- ◆The Affected Part May Be Prone To Further Attacks.

Superficial

◆Skin Tissue Is Affected, Blistering &

Swelling May Occur, But A Full

Recovery Is To Be Expected.

Deep

◆Skin & Nerve Endings Seriously

Affected In Severe Cases, Amputation

Is Not Uncommon.

Causes Of Frostbite

- ◆ Cold Temperatures Cause Frostbite.
- ◆ Dangerous Combinations Are:
- ◆ Cold.
- Wind.
- ◆ Moisture.
- ◆ Restricted Circulation.

Symptoms Of Frostbite

- ◆Cold & Pain.
- ◆Skin Turns White.
- ◆Insensitivity.
- ◆Stiffness / Hardness Of Skin.



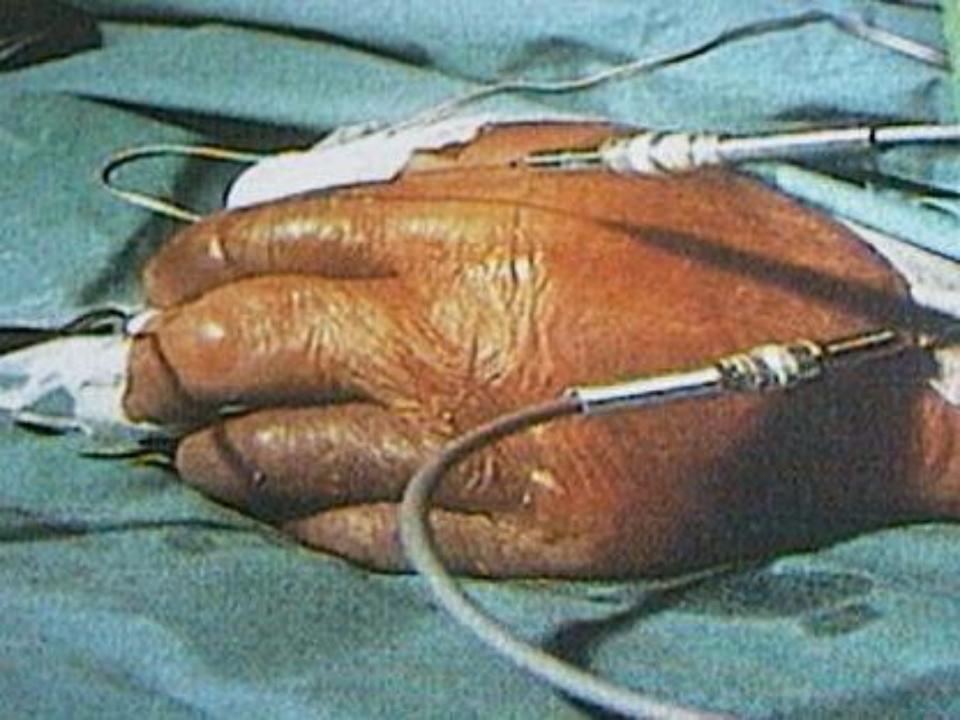






























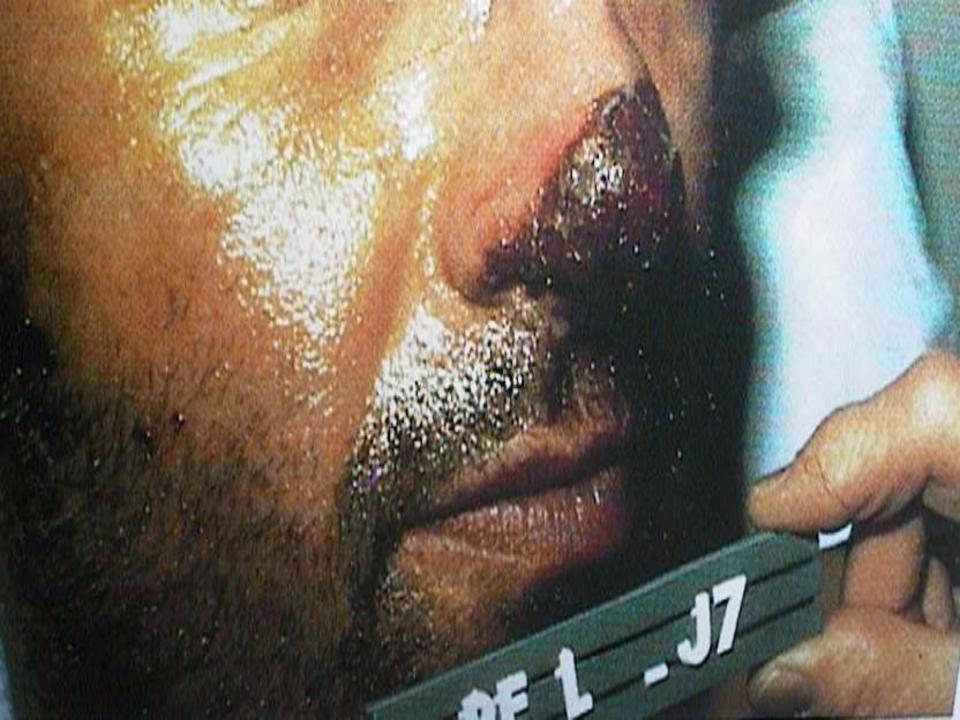














Treatment Of Frostbite

- ◆Seek Shelter Against Wind.
- ◆Face Place A Warm Hand, Mitten Or Similar On Frozen Part.
- Hands Place Hands Under Your
 Clothes In Armpits Or Trouser Pocket.

(cont)

- ◆ Feet When In Shelter Remove Boots & Socks & Place Against Warm Skin Of A Friend.
- Remember The Risk Of Frostbite Is Not
 Over Until The Affected Part Of The Body
 Has Regained Normal Colour & Sensitivity.

(cont)

- ◆If Injuries Do Not Respond To This Then the Man Must Be Removed From The Field.
- ◆Do Not:
- ◆Rub The Affected Part.
- ◆Use Ointment.
- ◆Use Direct Heat.
- ◆Give Alcohol.

Prevention

- Handle Equipment Correctly.
- ◆Dress In Accordance With Weather.
- ◆Exercise Face Fingers & Toes.
- ◆Seek Shelter Before You Are Exhausted.
- ◆Eat & Drink Well.
- ◆Brush Snow From Clothing.

(cont)

- ◆Keep Feet Clean & Dry.
- ◆Carry Spare Socks & Gloves.
- ◆Shave In The Evenings.
- ◆Use The Buddy Buddy System.
- ◆Understand The Wind-chill Factor.



Wind-chill Factor

The Wind-chill Factor Is The Combination
 Of The Ambient Air Temperature And The
 Wind Speed Which Produces A Cooling
 Effect On The Body.



Windchill Chart

EQUIVALENT WINDCHILL TEMPERATURE CHART FOR USE IN							
Wind Speed		LD CATEGORY C1 INTERMEDIATE COLD Dry Bulb Ambient					
		Temperature °C					
Kmph	mph						
Still Air		-10				-30	-35
8.0	5	-12		-23	-28	-33	-38
16.1	10	-20		-32	-38	-45	-51
24.1	15	-25	-32	-38	-45	-52	-58
32.2	20	-28	-35	-42	-50	-57	-64
40.2	25	-31	-38	-46	-53	-61	-68
48.3	30	-33	-40	-48	-56	-63	-71
56.3	35	-34	-42	-50	-57	-65	-73
64.4	40	-35	-43	-51	-59	-67	-75
72.5	45	-36	-44	-51	-60	-67	-75
80.5	50	-36	-44	-52	-60	-68	-76
Kmph	mph	INCREASING DANGER			GREAT DANGER		

Questions?