

Skin Homeostatic Imbalances

┌ Infections

┌ Athletes foot

┌ Caused by fungal infection

┌ Boils and carbuncles

┌ Caused by bacterial infection

┌ Cold sores

┌ Caused by virus



Skin Homeostatic Imbalances

Infections and allergies

 Contact dermatitis

 Exposures cause
 allergic reaction



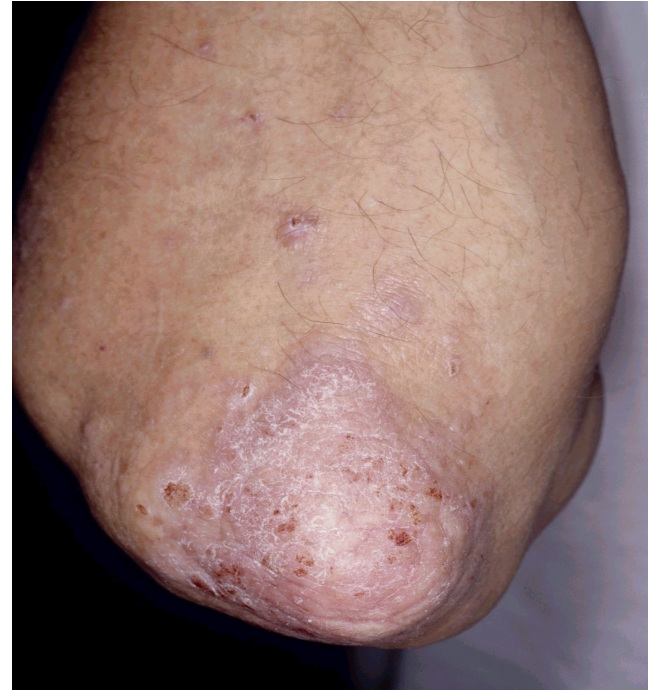
Impetigo

 Caused by bacterial
 infection



Skin Homeostatic Imbalances

- ┌ Psoriasis
- ┌ Cause is unknown
- ┌ Triggered by trauma, infection, stress



Skin Homeostatic Imbalances

┌ Burns

┌ Tissue damage and cell death caused by heat, electricity, UV radiation, or chemicals

┌ Associated dangers

┌ Dehydration

┌ Electrolyte imbalance

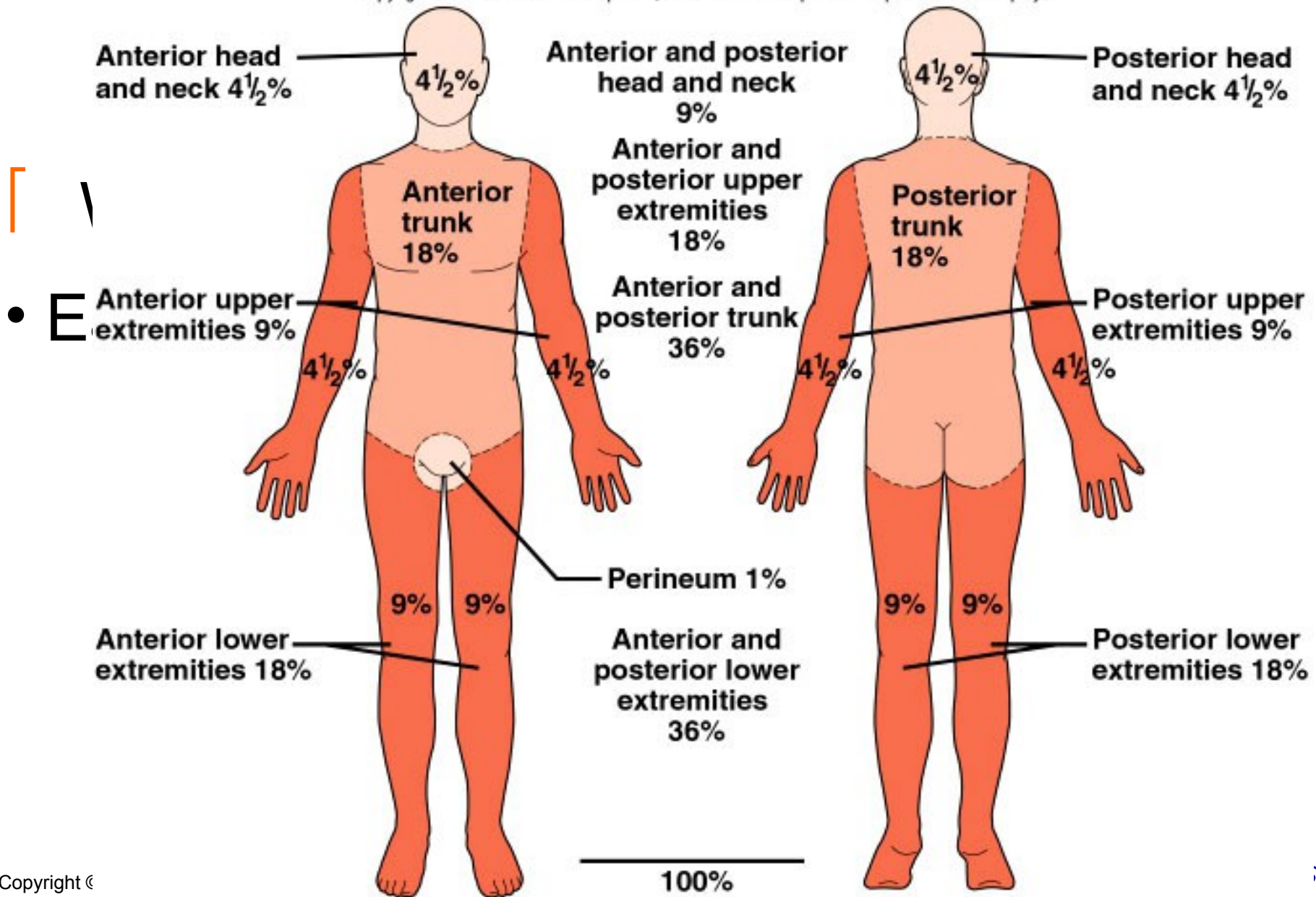
┌ Circulatory shock

Rules of Nines

- Way to determine the extent of burns
- Body is divided into 11 areas for quick estimation
 - Each area represents about 9%

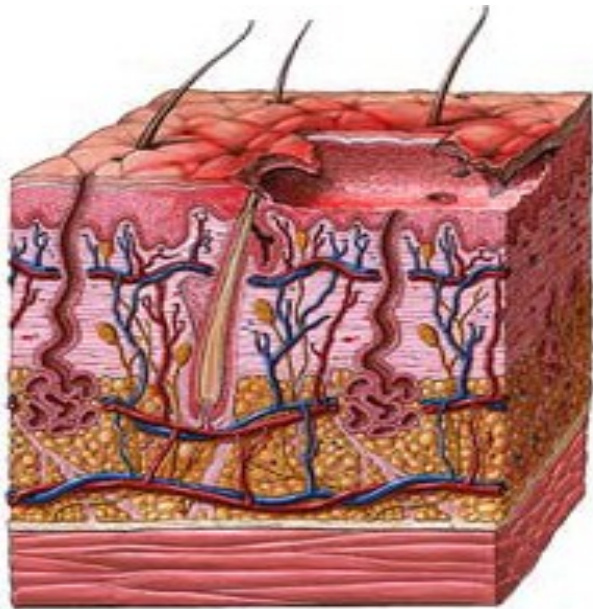
Rules of Nines

Copyright © The McGraw-Hill Companies, Inc. Permission required for reproduction or display.



Severity of Burns

- ┌ First-degree burns
 - ┌ Only epidermis is damaged
 - ┌ Skin is red and swollen



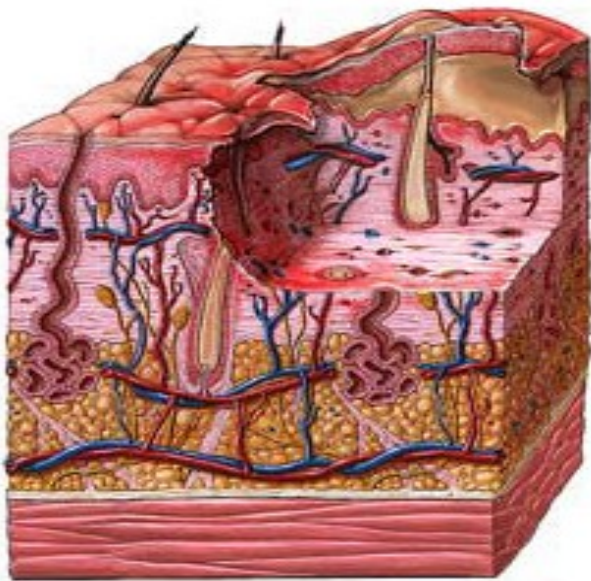
1st degree burn



Severity of Burns

Second degree burns

- ┆ Epidermis and upper dermis are damaged
- ┆ Skin is red with blisters



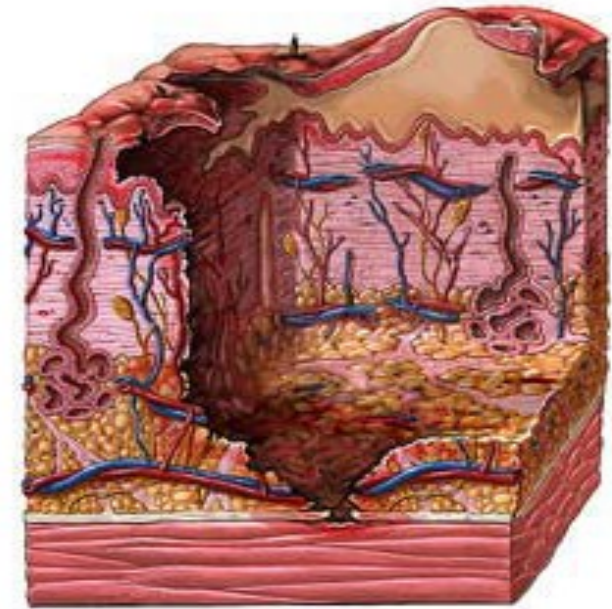
2nd degree burn



Severity of Burns

Third-degree burns

- Destroys entire skin layer
- Burn is gray-white or black



3rd degree burn



Critical Burns

- ┌ Burns are considered critical if:
 - ┌ Over 25% of body has second degree burns
 - ┌ Over 10% of the body has third degree burns
 - ┌ There are third degree burns of the face, hands, or feet