

## EDEMA

excess fluid accumulation in interstitial compartment → swelling

### PITTING EDEMA

Application of pressure  
↓  
Fluid drained into  
surrounding interstitium  
↓  
Indentation of skin upon  
release of pressure

Fluid retention

- Cardiac failure

Protein deficiency

- Hypoalbuminemia (eg, cirrhosis)

Hydrostatic

- Venous insufficiency, pregnancy

↑ Capillary permeability

- Inflammation, burns, trauma

### NON-PITTING EDEMA

Application of pressure  
↓  
Fluid pushed along  
lymphatic vessels  
↓  
Return of fluid upon release of  
pressure (no indentation)

Lymphedema

- Lymphatic obstruction

Myxedema

- Hypothyroidism (generalized)
- Hyperthyroidism (pretibial)

