

Pitting edema assessment

Head lines

- Definition of edema.
- Definition of pitting edema.
- Pathophysiology .
- Times for assessment of pitting edema during pregnancy.
- Procedure.
- Considerations about edema in pregnancy.

Edema; is abnormal accumulation of body fluids in soft tissues of the skin. It often affects the lower body, such as the legs, feet, and ankles, but it can occur anywhere.



Edema



pitting edema

- It is type of edema when press on it, it cause indentation that stay for some time after release of the pressure.
- It's abnormal condition , but it's common in the pregnancy.



Causes of edema in pregnancy



pathophysiology

- During pregnancy fluids and blood volume increased 50% .
- *îî capillary hydrostatic pressure.*
- •↓↓plasma oncotic pressure.
- 11 capillary permeability
- Fluids shifts from intravascular to interstitial space causing swelling.



Times for assessment of pitting edema during pregnancy

 Edema should be assessed routinely at each prenatal visit after 20 weeks of gestation.

Procedure steps

Hand washing



Greeting the mother

Explain the procedure



Position the mother flat in bed



Observe for general appearance(skin texture, Swelling).

Inspect the woman (face, extremities, and sacral area) for signs of pitting edema.



Press each area firmly with the thump or index finger for about 15 seconds and release



2 mm	1+ 2+ 4 mm 61	3+ A+ 8 mm
grade	depth	Rebound time
1	2mm minimal Lower limbs, barely visible	immediate
2	4mm slightly indentation(marked)lower limbs	Few seconds to rebound
3	6mm. deep indentation (legs,hands,face)	10-12 second
23 September	8mm .generalized ,massive	>20 second

Record and compare the finding with those previously recorded

Cover the woman and keep there in comfortable position

A little bit of mild swelling is normal during pregnancy



Health education

- Assess the feet routinely.
 Avoid standing for log time.
 Rest the feet elevated.
 Wear comfortable shoes, avoid high heels.
 Low salt diet.
- Use cold compresses on swollen areas.





Alarm signs More swelling in the hands. Puffiness of the eyes. **Swelling in the face.** Excessive or sudden swelling in feet and ankles. If one leg is swallow than the other.



