



THEORIES OF THE CAUSES OF LABOR

- Oxytocin stimulation, like a result presure on the cervix
- Fetal cortisol levels, which reduce progesterone formation
- · Progesterone withdrawal
- Prostaglandin release, like a result of stretching of uterine muscular

Signs of Labor



Signs of Labor

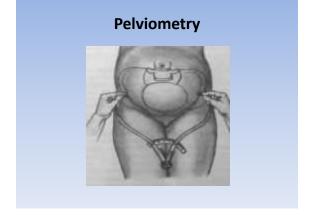
- Lightening (fetus going down to the pelvis)
- Increase in level of activity (Epinephrin going high coz progesterone down)
- Braxton Hicks contraction (infrequent, irregular and involve only mild cramping)
- Ripening of the cervix

Signs of true Labor

- Uterine contraction (frequently and coming without warning)
- Show (cervix softens and ripens)
- Rapture of the membranes

Components of Labor

- The woman pelvis (the passage)
- The passenger (the fetus)
- The powers of labor (uterine factors)
- A woman psyche



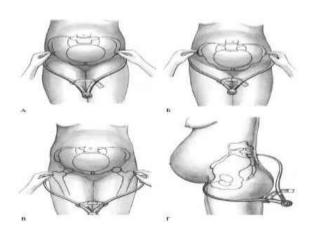


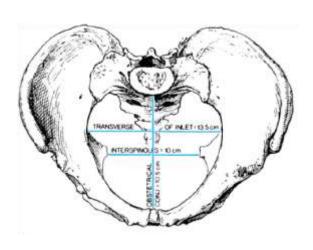
Pelviometry

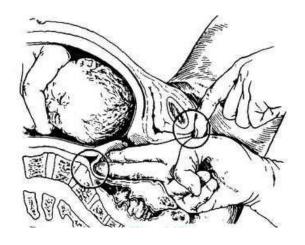
- Distansia spinarum 25 -27 cm
- Distansia cristarum 27 29 cm
- Distansia trochanterium 30 32 cm
- External Conjugata 20 21 cm

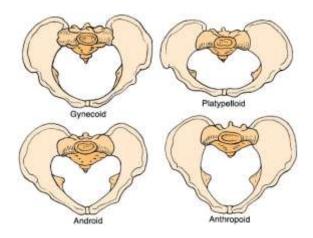
Pelvic inlet

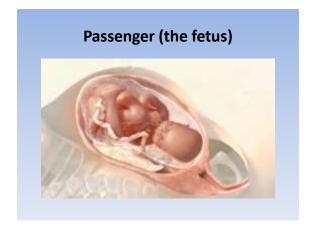
- Conjugata anatomica conjugata vera +1 cm
- Conjugata vera (gynecologyca) 11 cm (conjugata diagonalis -1.5 – 2 cm)
- Conjugata diagonalis 12 13 cm

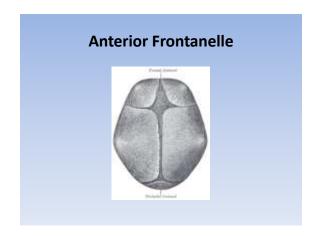






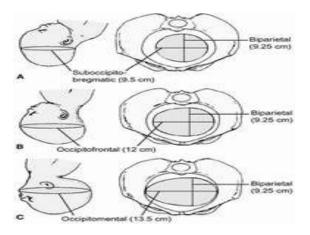


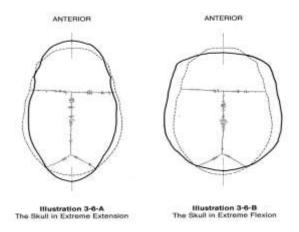




Anterior Frontanelle

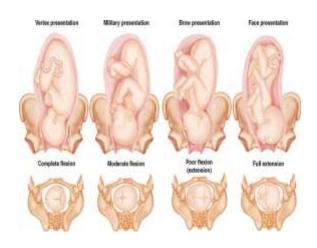
The anterior fontanelle (bregmatic fontanelle, frontal fontanelle) is the largest fontanelle (about 4 cm in its anteroposterior and 2.5 cm in its transverse diameter) covered with significant membrane. The fontanelle allows the skull to deform during birth to ease its passage through the birth canal and for expansion of the brain after birth. While the posterior and lateral fontanelles are obliterated by about six months after birth, the anterior is not completely closed until about the middle of the second year

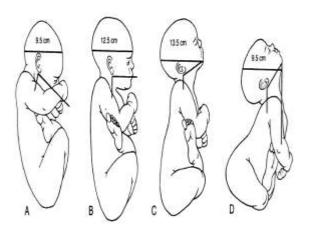


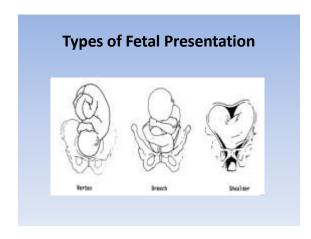


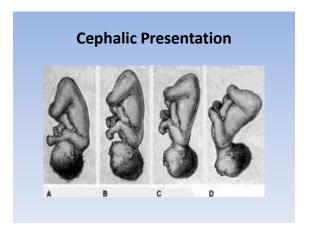
Fetal Lie

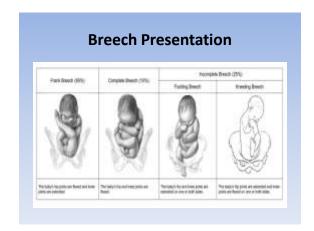
Fetal lie refers to the relationship between the long axis of the fetus with respect to the long axis of the mother. The possibilities include a longitudinal lie, a transverse lie, and, on occasion, an oblique lie

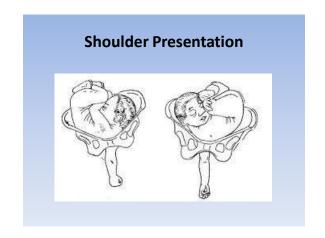




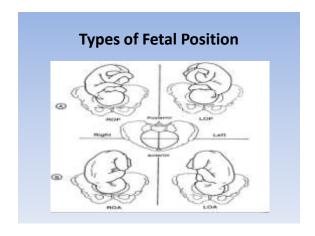


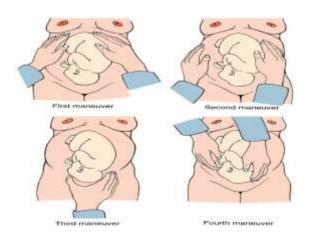














DURATION: begining to end of one contration

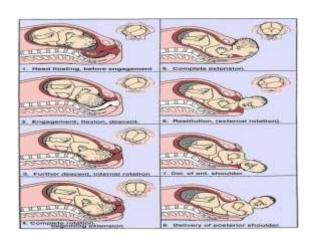
FREQUENCY: begining of one contration to the begining of the next contration.

5 minutes

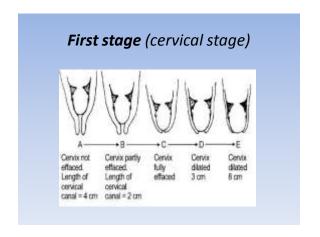
1 minute 1 m











First stage (cervical stage)

The first stage of labor entails cervical change. It begins when uterine contractions become sufficiently strong or adequate to initiate effacement and dilation of the cervix

- Effacement of the cervix is the shortening of the cervical canal into a paper-thin oriface Effacement occurs as the muscle fibers near the internal os are pulled upward into the lower uterine segment
- Dilation of the cervix involves the gradual widening of the cervical os. For the head of the average fetus at term to be able to pass through the cervix, the cervix must dilate to a diameter of approximately 10 cm. When the fetal head is able to descend past the remaining cervix, the cervix is no longer palpable and is said to be completely or fully dilated

Cervical Stage

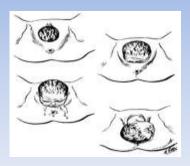
- The latent or preparatory phase contractions mild and short (20 – 40 sec), Cervical effacement occurs, cervix dilatation from 0-3 cm. Phase lasts 6 hours (4.5 for multipara). Early anesthesia can prolong this phase
- The active phase contractions more strong (40 – 60 sec every 3-5 min), dilatation of cervix 4 – 7 cm. Phase lasts 3 hours (2 hours for multipara)

Cervical Stage

 Transition phase – high level of intensity of the contractions, contractions every 2 -3 min, duration 60 – 90 seconds, dilatation of cervix 8 -10 cm

First stage (cervical stage) Cervical Effacement and Dilation During Lator 1. Grant is the stage of the sta

Second stage (pelvic stage)



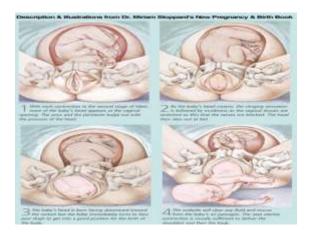
Second stage (pelvic stage)

The second stage of labor involves the passage of the fetus through the maternal pelvis and expulsion of the fetus. It begins with the complete dilation of the cervix and ends when the infant is delivered. According to the Friedman curve:

- In a nulliparous patient, the second stage of labor should last less than 2 hours without regional anesthesia, and less than 3 hours if a woman has regional anesthesia.
- In a multiparous patient, the second stage of labor should last less than 1 hour without regional anesthesia, and less than 2 hours if a woman has regional anesthesia

Second stage (pelvic stage)

- Engagement
- Descent
- Flexion
- Internal rotation
- · Extension of the fetal head
- External rotation



Third stage (placental stage)



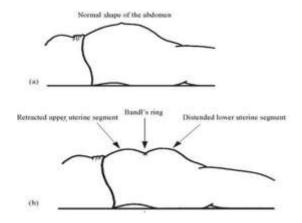
Third stage (placental stage)

The third stage of labor involves the separation and expulsion of the placenta. It begins with the delivery of the infant and ends with the delivery of the placenta



Danger signs of Labor

- High or Low Fetal heart rate (110 160 bpm)
- Meconium straining (green color of amniotic fluid)
- Hyperactivity
- Fetal Acidosis (sign of fetal compress)
- Rising or falling blood pressure of mather (90 140 bpm)
- Abnormal maternal pulse rate (70-80 , during labor 100 per min)
- · Prolonged contractions
- Pathologic retraction ring (rupture of uterine)
- · Increasing apprehension



Thank You For Your Attention

