











Mechanisms of delivery of ROP

- 1. <u>Long</u> Anterior Rotation of 3/8th of circle anteriorly to direct occipitoanterior....SVD in 60%.
- 2. Anterior Rotation of 1/8th of circle (45°) Deep transverse arrest.....(rotation with ventouse or with Kielland forceps may end with delivery otherwise Cesarean section.)
- 3. Rotation of 1/8th of circle posteriorly to be direct
 - occipitoposterior...may deliver as face to pubis (generous episiotomy as the diameter of delivery is occipitipofrontal =11.5cm) or need Cesarean section.
- 4. It may persists as occipitoposterior, to be delivered by Cesarean section.







Malpresentations

I-Breech Presentation

Definition

- Fetal buttocks or lower extremity is the presenting part
- Complete (10%): flexion at hips and knees
- Frank (60%): flexion at hips, extension at knees most common type of breech presentation, most common breech presentation to be delivered vaginally
- Footling (30%): may be single or double with extension at hip(s) and knee(s) so that foot is the presenting part

Epidemiology

- Frank breech
- occurs in 3-4% (at term)
- Think beec
- BUT in 25-30% before 28 weeks





	Pelvis (contracted)
	Uterus (shape abnormalities, intrauterine tumours, fibroids)
	Extrauterine tumours causing compression
	Grand multiparity
II-	Placental-fetal risk factors:
	Placenta (previa)
	Amniotic fluid (poly/oligohydramnios)
	Fetal prematurity (Commonest 30%)
	Multiple gestation
1.	Congenital malformations (6% of breeches; 2-3x incidence in vertex) <i>most common malformation</i> : congenital dislocation of the hip
2.	Abnormalities in fetal tone and movement (IUFD)
3.	Fetal aneuploidy





























<section-header><section-header><list-item><list-item>

Mento-posterior



Management of Brow presentation in labour

- Initially expectant;
 - 50-75% will either flex to a vertex, or extend to a face with contractions from behind meeting soft tissue and bony resistance below and will therefore deliver vaginally
- High incidence of prolonged labour and dysfunctional labour
- Persistent brow
 - the diameter is undeliverable vaginally
 - deliver by caesarean section

IV-Shoulder Presentation (Transverse lie)

•<u>Incidence</u>: 0.3%

•Mechanics of presentation:

long axis of the fetus is
perpendicular to long
axis of mother (ie occurs
in transverse lie)
Mostly the shoulder
presents in a transverse
lie, but alternative
presentations are hand
and arm (may be

prolapsed into the





- Fetal: prematurity, multiple
- Liquor: polyhydramnios
- Uterine: anomaly
- Placenta: praevia
- Pelvis: contraction, tumour
- Parity: high maternal parity (80% of cases occur in women who are para3 or more)



Diagnosis and Management

- On abdominal palpation, no fetal pole is presenting to the pelvis, and the head is palpable in either the right or left iliac fossa
- on vaginal examination, may palpate ribs, scapula, clavicle
- in advanced labour, fetal hand and arm may prolapse into the vagina
- Consider **ECV prior to labour**
- if diagnosed in labour, deliver by <u>Caesarean section</u> (as fetal head and trunk would have to enter pelvis at the same time to deliver vaginally)
- Caesarean may need to be <u>classical</u>, as lower segment often inadequate







MANGEMENT

- Exclude cord prolapse
 - occurs in up to 20% of cases
- Otherwise <u>expectant</u>
 - mostly doesn't interfere with normal delivery
 - vertex-foot: try to gently reposition the lower extremity
 - if arm prolapses in vertex-hand, wait and see if it moves as head descends; if it converts to shoulder presentation, deliver by CS



	Presentation	Incidence
Epidemiology	Vertex	0.4%
	Frank breech	0.5%
	Complete breech	4 - 6%
	Footling breech	15 - 18%
 Consider replacing co warm moist packs, if Hold presenting part of Position change (Trend 	ace cord within uterus rd within vagina, or wrap in external	Breech tilt
 Tocolysis <u>Prepare for Urgent of</u> 	<u>delivery</u>	

