

- \* Definition
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- Post Delivery Care

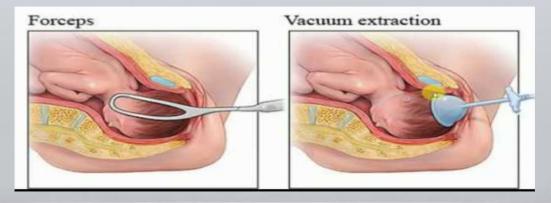


## Definition

Instruments could be: → Forceps

→ Vacuum

Incidence of operative deliveries is 3.5 %



## Indications of operative delivery

#### **MATERNAL**

- Prolonged or arrested 2<sup>nd</sup>stage
- Poor maternal effort
- Maternal cardiac disease
- Patients with retinal detachment or post op for similar ocular conditions

#### **FETAL**

- Fetal distress
- Prematurity (Forceps only)
- Certain malpositions

## PRE-REQUISITE FOR FORCEPS AND VENTOUSE

- Cervix has to be fully dilated
- Membranes ruptured
- Head has to be engaged
- Vertex presentation
- Head position known(forceps can be applied on the head for cephalic presentation or after coming head for breech presentation)

Ventouse can only be applied on the head.

Conditions to be fulfilled

- Adequate analgesia
- Empty bladder
- Adequate episiotomy

## Complications Of Instrumental Delivery

#### Maternal

- Genital tract lacerations, Cx,,vagina
- Hemorrhage
- Extensions of episiotomy
- Sphincter lacerations
- Fecal and flatus incontinence
- injury to rectal mucosa

#### **Fetal**

- Skull fractures
- Cephalohematoma
- Caput succedaneum
- Facial Palsy
- Scalp laceration
- Intracranial hemorrhage
- Infant death

## Trial of instrumental delivery

- Should be performed in O.R. with anesthetist present + pediatrician to resuscitate.
- All teams ready to proceed to C.S. in case failed instrumental delivery

## Caesarean Section

- **→** Rate ≈ 25%
- Perinatal mortality 3/1000 USA
  7/1000 U.K

#### C. S. Could be:

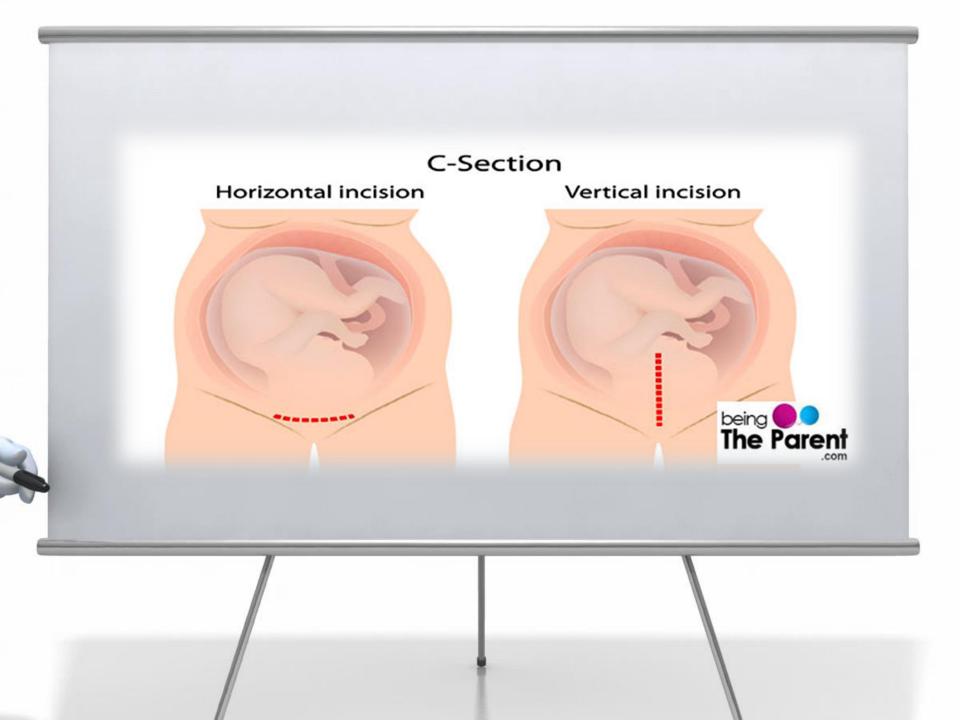
#### Different Methods Of Performing Different Types Of C/S

#### **SKIN INCISION**

- Low transverse
- Midline

#### **UTERINE INCISION**

- Upper Segment (Classical) transversevertical
- Lower segment
  - transverse
  - vertical



#### **COMPLICATIONS OF UPPER SEGMENT C/S**

- **✓ Bleeding** ↑↑
- ✓ Organ injury → Bowel
  - → Bladder
  - → Ureter
- **Adhesions formation**
- Rupture scar in future pregnancy higher than lower segment scar
- More difficult to repair

#### COMPLICATIONS OF LOWER SEGMENT

- **Haemorrhage**
- ✓ Extension of incision → Lateral
  - → Downwards
- ✓ Organ injury → Bladder
  - → Bowel
  - → Ureter
- Rupture scar
- Abnormal placentation in future pregnancy

Low lying placenta

Accreta, increta, perceta

Adhesions specially bladder



### Estimated Risks for Uterine Rupture in Women

with a Prior Cesarean Delivery

Prior Uterine Incision	Estimated Rupture (%	<b>%</b> )
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Classical 4-9

T-Shaped 4-9

Low Vertical 1-7

Low Transverse 0.2 - 1.5

#### **COMMON POST OP COMPLICATIONS**

- Atelectasi
- Infection -> Endometritis
  - → Wound
  - → UTI
  - → Pneumonia
- **DVT & PE**

#### When can a trial of labor be offered after C.S.

- VBAC can be offered for non recurrent indications e.g., fetal distress, cord prolapse, placental abruption, breech presentation.
- Pelvic adequacy is confirmed by proper clinical radiological methods as needed.
- Lower Segment scar
- 4. Placental localization

- 5. Scar integrity is assured by taking proper post op history
  - Standard of care is to offer VBAC after one previous C/S and not multiple
  - Safe set up: Tertiary care center which can perform emergency C.S as needed.
  - Patients approval

#### Measures to reduce C.S. RATE

- ❖ Proper antenatal care ,for early detection and management of conditions that lead to ↑ C.S. rate
- e.g. controlling macrosomia in diabetes early detection of HTN
- Post term Performing ECV for breeches

- Prevent infections:
- Prophylactic Ab +Aseptic technique
- Prevention of anemia

- ♦ To prevent DVT
- o **TEDS** stocking
  - Thromboprophylaxis
- Early ambulation

## **POST Delivery CARE**

- V\$ hourly x 4 hours
- o I.V. fluids
- Analgesia
- Checking Fundus + Lochia
- Urine output + catheter care
- Wound care
- Early ambulation



- Antibiotics
- Thromboprohylaxis
- Breast care and breast feeding

# Questions?

