Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing



Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Topics to be covered

- DEFINITION
- PHYSIOLOGICAL CHANGES DURING PUERPERIUM

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

DEFINITION

 Refers to 6 weeks following childbirth, during which the pelvic organs return to prepregnant state & the physiological changes of pregnancy are reversed

UNIVERSITY

- Immediate within 24 hrs
- Early up to 7 days
- Woman in this period puerpera

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Physiological changes

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Uterus

- Involution
- Uterus immediately after delivery- 1000 gm
- After one week-500 gm
- After 2nd week- 300 gm
- After 4 weeks return to normal –involution
- By reducing size of cells-by autolysis
- Pain may be present- spasmodic

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Endometrium

- Decidua- endometrium of pregnancy shed after childbirth.
- Z .Compacta & spongiosa shed
- Completed in 14 days
- Placental site takes longer to recover-6 weeks
- Arteries- endarteritis & hyaline obliteration in one week
- Veins thrombosis

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Lochia

- Vaginal discharge after deliver in first few weeks
- Blood from placental site + necrotic decidua
- Lochia rubra- first few days, red(red cells)
- Lochia serosa after 3-4 days,pale(wbc+rbc)

VFRS

- Lochia alba- after 10th day yellow
- Up to 4 weeks
- Character of lochia- indicator for infection

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing



Name of the Faculty: Mrs. Shilpa Katoch Program Name: B.Sc. Nursing

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Cervix

- End of 1st week- starts closing & cervical canal reforms completed in 6 weeks
- Parous cervix-transverse slit
- Lower uterine segment contracts- to form isthmus
- Vagina reduce in size & become rugose-4 weeks
- Hymen –small tags of tissue- carancule myritiformes
- Some relaxation of vaginal outlet & pelvic floor

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Urinary system

- Bladder- edema & submucoal haemorrhage heal in few days
- Overdistention, incomplete emptying, retention-due to injury to innervation of bladder during difficult labour
- Epidural & spinal exaggerate this
- return to normal after 1st week
- Dilated ureters & pelvicalyceal system return to {N} in 8 weeks
- GFR,CCR & RPF return to (N) in 6 weeks

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Gsatro intestinal system

- Immediately after delivery- constipation due to intestinal paresis
- Pain from episiotomy & perineal laceration contributes

IINIVERSITY

Early ambulation, high fluid intake is recommended

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Cardiovascular system

- Heart return to normal size slowly
- Heart sounds return to normal rapidly
- S3 & ESM if present return to normal in 1st week
- C O becomes near nonpregnant value by 10th day & normal in 6th month
- HR- remain high for 24 hrs & become normal
- BP rises in first few weeks return to n/l by one week
- Reduced peripheral resistance- n/l rapidly

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Blood

- Plasma volume falls in 1st day reaches n/l by first week
- Red cell mass- n/l in 24 hrs
- Hb conc. Minimum on 4th day & then rises to n/l by 6 weeks
- ESR increases in 1st week & retuen to n/l in 4 weeks
- Increased leucocytosis after labour subsides after one week
- Coagulation factors elevated

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Weight loss

- Due to uterine evacuation
- 2-3 kg reduction due to postpartum diuresis
- Return to prepregnancy weight in 6 months

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

Menstruation & ovulation

- Depends on lactation
- Non lactating –early resumption of menstrual cycle-6-8 wks
- Nursing mothers- 4-6 months
- Total protection only possible for 10 wks
- Addl contraception adviced after 3 months

Course Code: BSCN3004 Course Name: Midwifery & Obstetrical Nursing

BIBLIOGRAPHY

1.JB Sharma" midwifery and Gynecological nursing" 1st edition,2015, published by Avichal publishing house

2. Dc Dutta "Textbook of obstetrics" 8th edition ,2006, published by Jaypee brothers