

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY
TEACHING PROGRAM FOR THE FINAL MBBS (PART II) CLINICAL POSTING

GENERAL PRINCIPLES

GOAL:

The broad goal of teaching of the undergraduate student in Obstetrics & Gynecology is to empower the student with the necessary knowledge in anatomy, physiology and pathophysiology of the reproductive system and to acquire the necessary skill to manage normal pregnancy and delivery and related problems and to diagnose and treat the common gynecological diseases.

OBJECTIVES:

The following theoretical skills have to be acquired by the student at the end of the course.

1. Outline the anatomy, physiology and pathophysiology of reproductive system and the common conditions affecting it, including the preventive aspects.
2. To diagnose and manage normal pregnancy, labour, puerperium and the problems related to these conditions.
3. To list the common causes leading to maternal and perinatal mortality and morbidity and to be aware of the remedial measures for the same.
4. Identify the use and side effects of drugs during pregnancy and to be aware of indiscriminate use of antibiotics and other drugs during obstetric & gynaecological practice.
5. To be aware of the common indications, technique and complications of usually performed operations like caesarean section, hysterectomy etc.
6. Aware of the principles of contraception and the various techniques employed in family welfare practice including medical termination of pregnancy, male and female sterilization.
7. To be familiar with the various National Programmes in relation to maternal and child health, Apart from the above theoretical knowledge, the following practical skills have to be acquired at the end of the course of studies:

- Examine a pregnant woman and diagnose abnormalities like preeclampsia, anaemia, GDM, abnormal presentations and to make appropriate referrals if necessary.
- Conduct a normal labour and to provide postnatal care.
- Resuscitation of newborn babies.
- Perform a pelvic examination and to diagnose common gynaecological diseases.
- Examine a vaginal smear for trichomonas and fungus, and to take a pap smear.
- To offer appropriate contraceptive advice to a couple, and to assist in insertion of
- IUCD.
- Interpret common investigation results (biochemical, histopathological, ultrasound etc)

INTEGRATION:

At the end of the training period the student must be able to integrate activities with other departments like community medicine and paediatrics, in programmes like newborn care, immunization, nutrition, and other maternal & child health activities

General Guidelines for training:

1. Training in the department of Obstetrics & Gynaecology with facilities prescribed by MCI, for a period of 5 months with due exposure to antenatal, intranatal and postnatal care and family planning and general gynaecological care
2. Of this period of clinical instruction, not less than one month be spent as resident pupil in the department.
3. During this period, the student shall conduct at least 10 normal deliveries under supervision, and assist in 10 cases including abnormal deliveries and obstetric emergencies.
These cases include postnatal follow up also.
4. The student shall maintain a record of the work done in the department, get it certified from the department and submit for the Final University examination

Syllabus Details

Duration of course Postings in 5 Semesters (III, V, VI, VIII, IX)

192 Days

Total number of hours:

Theory 300

Lectures 100

Innovative sessions: 200

LIST OF 'MUST KNOW' CONDITIONS

A. OBSTETRIC SKILLS

Clinical skill

- Assessment of fundal height
- Measurement of symphysis fundal height
- Measurement of girth
- Application of Leopold maneuver
- Application of Crichton maneuver
- Auscultation of fetal heart by Pinard stethoscope
- Auscultation of fetal heart by Doppler
- Diagnosis of abnormal conditions by inspection, palpation, percussion and auscultation
- Diagnosis of PROM by per speculum examination
- Conduct normal deliveries 10
- Assist high risk deliveries 10
- Watch cesarean delivery
- Watch other obstetric procedures

Special skills

- NST recording
- CST recording
- Partogram plotting

Ultrasound

- Diagnosis of pregnancy
- Diagnosis of number of gestations
- Diagnosis of chorionicity
- Reliable gestational age assessment
- Nuchal translucency determination
- Ruling out congenital anomalies
- Study of placenta
- Position
- Retroplacental clot
- Maturity assessment
- Biophysical profile
- Doppler study of important vessels

B. GYNECOLOGICAL SKILLS

- Examination of abdomen
- Examination of external genitalia
- Per speculum examination
- Pap preparation (conventional)
- Wet prep examination

Ultrasound

- Proliferative endometrium
- Secretory endometrium
- PCO, necklace pattern
- Fibroid uterus diagnosis
- Ovarian mass diagnosis
- Copper T location

X-Ray

- Watch HSG Procedure
- Dermoid cyst assessment

Other skills

- Colposcopic study of vulva, vagina and cervix
- Watch minor surgeries
- Endometrial sampling
- FC
- Cervical biopsy
- Copper T insertion
- Polypectomy
- Marsupialization
- TOT

SUGERY WATCHING

- Watch major surgeries
- Abdominal hysterectomy
- Vaginal hysterectomy
- Ward Mayo surgery
- Staging laparotomy
- Cystectomy
- Laparoscopic procedures
- Ectopic pregnancy
- LAVH
- Sling procedures

CLINICAL TEACHING PROGRAMME UNITWISE

The in-patient programme comprises of morning bedside clinics.

Students ARE posted for obstetric case at 4:00pm, the previous day of presentation

The cases are worked out and ready for presentation at 10.30 am on the next morning.

Gynecological cases are given on the day of presentation before 0930 AM

Here also presentation start at 1030 AM as short case

The respective faculty member guides the teaching programme

The assigned Junior Resident posts the short and long cases and decides the candidates for presentation

Students are graded on their performance.

Cases presented are recorded in the log book and marks awarded by the respective faculty member

LABOUR ROOM TRAINING

Objectives

Identification of risk factors by clinical evaluation

Identification of risk factors by investigations

Diagnose lie, presentation, presenting part, position of fetus

Understand the mechanism of normal delivery

Understand the mechanism of twin deliveries

Understand the mechanism of breech delivery

Training in conduct of normal delivery

Assistance in conduct of high risk deliveries

Training in episiotomy suture

Learn more on induction of labour

Training in the preventive aspects of PPH

Training on the preventive measures of other obstetric emergencies

Training in obstetric crisis management

Seminars and group discussions on contemporary obstetrics

PART II SCHEDULE PROPER

DATE	TOPIC	No	AREA	TEACHER
Friday, September 01, 2017	OP Procedures-Biopsy of abnormal sites	4	OP	Shyjus
	Physiology of labour		Ward	Steffi
	Minor Surgery-FC		OT	Pandu
	Major Surgery-Ward Mayo surgery		OT	Gopeenathan
Saturday, September 02, 2017	Special Clinics-infertility clinic	4	OP	Haridas
	Labour mechanism		Ward	Shyjus
	Minor Surgery-FC and biopsy cervix		OT	Steffi
	Major Surgery-Laparoscopic sterilization		OT	Rajeena
Monday, September 04, 2017	Special Clinics-high risk antenatal clinic	5	OP	Steffi
	Infections in pregnancy		Ward	Haridas
	Minor Surgery-cervical biopsy		OT	Surendran
	Major Surgery-laparoscopic evaluation, endometriosis		OT	Philomina
Tuesday, September 05, 2017	Special Clinics-postnatal clinic	5	OP	Asokan
	Labour onset		Ward	Rajamma
	Minor Surgery-evacuation of incomplete abortion		OT	Amar
	Major Surgery-laparoscopic cystectomy		OT	Haridas
Wednesday, September 06, 2017	Obstetric Examination		OP	Amar
	Chronic pelvic pain		Ward	Asokan
	Minor Surgery-FC		OT	Rajamma
	Major Surgery-Ward Mayo surgery		OT	Steffi
Friday, September 08, 2017	Special Clinics-high risk antenatal clinic		OP	Rajamma
	Carcinoma ovary		Ward	Amar
	Minor Surgery-FC and biopsy cervix		OT	Asokan
	Major surgery-myomectomy		OT	Shyjus
Saturday, September 09, 2017	Systemic Examinations for gynecology case		OP	Shyjus
	Gynaecological surgeries		Ward	Steffi
	Minor Surgery-Bartholin Cyst Marsupialization		OT	Pandu
	Major Surgery-Ward Mayo surgery		OT	Gopeenathan
Monday, September 11, 2017	OP Procedures-Cu T insertion	3	OP	Haridas
	Preconceptional counselling		Ward	Shyjus
	Minor Surgery-NSV		OT	Steffi
	Major Surgery-TAH		OT	Rajeena
Tuesday, September 12, 2017	OP Procedures-CuT Removal	3	OP	Steffi
	Dating of pregnancy		Ward	Haridas
	Minor surgery-Fenton surgery		OT	Surendran
	Major surgery-myomectomy		OT	Philomina
Wednesday, September 13,	OP Procedures-Endometrial Sampling	4	OP	Asokan

2017				
	Diagnosis of pregnancy		Ward	Rajamma
	Minor Surgery-cervical cerclage		OT	Amar
	Major Surgery-TAH BSO		OT	Haridas
Thursday, September 14, 2017	OP Procedures-Swab taking	3	OP	Amar
	Foetus in utero		Ward	Asokan
	Minor Surgery-evacuation of incomplete abortion		OT	Rajamma
	Major surgery-interaniliac artery ligation		OT	Steffi
Friday, September 15, 2017	Systemic Examinations for gynecology case	2	OP	Rajamma
	Systemic Examinations for gynecology case		Ward	Amar
	Minor Surgery-Bartholin Cyst Marsupialization		OT	Asokan
	Major Surgery-TAH BSO		OT	Shyjus
Saturday, September 16, 2017	Obstetric Examination	2	OP	Shyjus
	Obstetric Examination		Ward	Steffi
	Minor Surgery-Bartholin Abscess drainage		OT	Pandu
	Major Surgery--Staging laparotomy		OT	Gopeenathan
Monday, September 18, 2017	Pelvic Examination Obstetrics	2	OP	Haridas
	Pelvic Examination Obstetrics		Ward	Shyjus
	Minor Surgery-FC		OT	Steffi
	Major Surgery-vaginal hysterectomy		OT	Rajeena
Tuesday, September 19, 2017	OP Procedures-PAP Smear	2	OP	Steffi
	Bony pelvis		Ward	Haridas
	Minor Surgery-FC and biopsy cervix		OT	Surendran
	Major surgery-female sterilisation		OT	Philomina
Wednesday, September 20, 2017	General Examination Gynecology	2	OP	Amar
	General Examination Gynecology		Ward	Asokan
	Minor Surgery-cervical cerclage		OT	Rajamma
	Major Surgery-TAH		OT	Steffi
Thursday, September 21, 2017	OP Procedures-Polypectomy	4	OP	Amar
	HIV in pregnancy		Ward	Asokan
	Minor Surgery-Bartholin Cyst Marsupialization		OT	Rajamma
	Major Surgery--Staging laparotomy		OT	Steffi
Friday, September 22, 2017	OP Procedure-culdcentesis	4	OP	Rajamma
	Infections in pregnancy Part I		Ward	Amar
	Minor Surgery-Bartholin Abscess drainage		OT	Asokan
	Major Surgery-vaginal hysterectomy		OT	Shyjus
Saturday, September 23, 2017	OP Procedures-Biopsy of abnormal sites	4	OP	Shyjus
	Physiology of labour		Ward	Steffi
	Minor Surgery-FC		OT	Pandu

	Major Surgery-Ward Mayo surgery		OT	Gopeenathan
Monday, September 25, 2017	OP Procedures-Biopsy of abnormal sites	4	OP	Shyjus
	Physiology of labour		Ward	Steffi
	Minor Surgery-FC		OT	Pandu
	Major Surgery-Ward Mayo surgery		OT	Gopeenathan
Tuesday, September 26, 2017	Special Clinics-infertility clinic	4	OP	Haridas
	Labour mechanism		Ward	Shyjus
	Minor Surgery-FC and biopsy cervix		OT	Steffi
	Major Surgery-Laparoscopic sterilization		OT	Rajeena
Wednesday, September 27, 2017	Special Clinics-high risk antenatal clinic	5	OP	Steffi
	Infections in pregnancy		Ward	Haridas
	Minor Surgery-cervical biopsy		OT	Surendran
	Major Surgery-laparoscopic evaluation, endometriosis		OT	Philomina
Thursday, September 28, 2017	Obstetric Examination		OP	Amar
	Chronic pelvic pain		Ward	Asokan
	Minor Surgery-FC		OT	Rajamma
	Major Surgery-Ward Mayo surgery		OT	Steffi
Friday, September 29, 2017	Special Clinics-high risk antenatal clinic		OP	Rajamma
	Carcinoma ovary		Ward	Amar
	Minor Surgery-FC and biopsy cervix		OT	Asokan
	Major surgery-myomectomy		OT	Shyjus
Saturday, September 30, 2017	OP Procedures-Biopsy of abnormal sites	4	OP	Shyjus
	Physiology of labour		Ward	Steffi
	Minor Surgery-FC		OT	Pandu
	Major Surgery-Ward Mayo surgery		OT	Gopeenathan

LABOUR ROOM TRAINING

DAY	TOPIC	UNIT
FRIDAY	Labour management	UNIT 1
SATURDAY	Complications, second and third stage	UNIT 2
SUNDAY	Cesarean delivery	UNIT 3
MONDAY	Double pregnancy, obstetric analgesia	UNIT 3
TUESDAY	HD, IUGR	UNIT 1
WEDNESDAY	Oligohydramnios, polyhydramnios, cord prolapse	UNIT 2
THURSDAY	Prolonged pregnancy	UNIT 3
FRIDAY	Puerperium normal and abnormal	UNIT 1
SATURDAY	Anaemia in pregnancy	UNIT 2
SUNDAY	APH	UNIT 1
MONDAY	Malpresentations	UNIT 3
TUESDAY	Care of newborn	UNIT 1
WEDNESDAY	CPD assessment, dysfunctional labour	UNIT 2
THURSDAY	Diabetes in pregnancy	UNIT 3
FRIDAY	HD complicating pregnancy	UNIT 1
SATURDAY	HDOP	UNIT 2
SUNDAY	Multiple gestations	UNIT 2
MONDAY	PROM	UNIT 3
TUESDAY	PTL	UNIT 1
WEDNESDAY	Rh alloimmunisation	UNIT 2
THURSDAY	Shoulder dystocia	UNIT 3
FRIDAY	TOLAC	UNIT 1
SATURDAY	Grand multipara	UNIT 2
SUNDAY	Injury to genital tract	UNIT 3
MONDAY	Bony pelvis Fetal skull, fetus in utero	UNIT 3
TUESDAY	Diagnosis and dating of pregnancy	UNIT 1
WEDNESDAY	Fetal surveillance	UNIT 2
THURSDAY	Labour mechanism, onset and stages	UNIT 3

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