

**OBSTETRICS & GYNAE DEPARTMENT
BACHA KHAN MEDICAL COLLEGE
MTI, MMC MARDAN**

STUDY GUIDE

Third, Fourth & Final Year



OUR MISSION

Every mother & newborn counts. No one should die of preventable cause.

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VISION

To become a prominent healthcare center focused on improving individual community health and achieving national and international standards of excellence.

MISSION

Bacha khan medical college is committed to train students through best practices to become knowledgeable, skillful and empathetic to meet the health needs of the society with emphasis on research, professionalism and health advocacy.

INTRODUCTION TO STUDY GUIDE

The medical students after stepping in clinical wards needs orientation and guidance to achieve their learning outcomes and objectives to become a competent doctor in future. Clinical rotation aims to develop critical thinking for integration and application of basic knowledge for clinical application. This study guide aims to:

- Inform students how student learning program of the clinical rotation has been organized
- Help students organize and manage their studies throughout the clinical rotation.
- This will help the student to contact the right person in case of any difficulty.
- Defines the objectives which are expected to be achieved at the end of the module.
- Identifies the learning strategies such as small group teachings, clinical skills, demonstration, tutorial and case based learning that will be implemented to achieve the objectives.
- Provides a list of learning resources for students to consult in order to maximize their learning.

- Includes information on the assessment methods that will be held to determine ever-ystudent's achievement of objective.

SELF-DIRECTED LEARNING:

Students' assume responsibilities of their own learning through individual study, sharing and discussing with peers. seeking information from Learning Resource Center, teachers and resource persons within and outside the college. Students can utilize the time within the college scheduled hours of self-study.

DEPARTMENTS & RESOURCE PERSONS FACILITATING LEARNING:

Obstetrics and Gynaecology department of MTI MMC offers wide range of academic programs and clinal services. The academic programs cater to undergraduate medical students, interns, FCPS and MCPS students. The presence of allied facilities makes this department capacious to routinely handle a large number of near miss/ high risk patients and is renowned for female patient treatment and care with notable distinction. The clinical rotation of medical students help them to gain skills and experiences they need to excel in their future careers as physicians. We pride ourselves on promoting wellness in education and are fortunate to have faculty and residents who dedicate themselves to improving student education.

FACULTY

GYNAE A WARD

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GYNAE B WARD

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GENERAL LEARNING OUTCOMES

The overall goal of obstetrics and gynae clinical rotation is the of basic core competencies that are essential for practice and include:

- Acquisition of body of knowledge and skills necessary for the management of common obstetrical and gynecological emergencies.
- Development of clinical reasoning skills and make a differential diagnosis.
- Identify and respond to ethical issues arising in patient care.
- Be able to develop evidence base approach and treatment according to individual patients need.
- Demonstrate compassion empathy and respect towards patient, including respect of patient modesty, privacy and confidentiality.
- Function as an effective member of health care team, demonstrating collegiality and respect for all members of health care team.
- Demonstrate effective verbal and written communication skills.

LEARNING OUCOMES FOR 3RD YEAR MBBS STUDENTS

BACHA KHAN MEDICAL COLLEGE CLINICAL ROTATION IN GYNAE B WARD MTI MMC MARDAN

Duration of rotation:

3 weeks rotation in gynae B ward

Timings: Monday to Friday

11:00 am to 1:00 pm

- Each student should be allotted bed on the first day in ward.
- Students will be daily monitored by the Post Graduate resident on duty and should present their history daily.
- The student should arrive on time and dress appropriately (lab coats).
- The student should respect patient, hospital staff and other personal.
- The student should take active participation in OPD.
- History should be written in log book and submitted at the end of each week to the focal person of the ward.
- The formative assessment test would be within the posting duration on the last day of rotation.

S. No	Learning Outcomes	Objectives	Instruction strategy	Assessment Method
1	Students should be able to take history (obstetrics/gynecology) from patients	<p>1: Take relevant gynecological history from patient with</p> <ul style="list-style-type: none"> ✓ Infertility ✓ Abnormal uterine ✓ Bleeding ✓ Pain lower abdomen ✓ Mass abdomen ✓ Vaginal discharge ✓ Urinary incontinence ✓ UV prolapse ✓ Miscarriages <p>2: Take relevant obstetrical history from patient with</p> <ul style="list-style-type: none"> ✓ Anemia ✓ Hypertension ✓ Diabetes ✓ Mellitus ✓ Antepartum Hemorrhage ✓ Cardiac diseases ✓ Multiple pregnancy ✓ PROM ✓ Calculate gestational age from LMP and calculate EDD 	Small group discussion	OSCE
2	Students should be able to examine Gyn/Obs patients	<ul style="list-style-type: none"> ✓ Perform general physical examination of patients ✓ Perform obstetrical / Gynaecological examination of patient ✓ Perform examination of patient with mass abdomen 	Small group discussion	OSCE



THIRD YEAR M.B.B.S TIME TABLE

Clinical Days: Monday to Friday

Timings :10:00 am to 12:00 pm

TOPICS	CONSULTANT
<ul style="list-style-type: none">• History taking OBS• Anemia in pregnancy• Hypertension in pregnancy• Urinary incontinence• UV prolapse• Obstetrical examination	Dr. Samina Jadoon
<ul style="list-style-type: none">• Gynaecological history• Abnormal uterine bleeding• Diabetes• Cardiac diseases• PROM• Mass abdomen	Dr. Nabeela Khan
<ul style="list-style-type: none">• Antepartum hemorrhage• Multiple pregnancy• Vaginal discharge• Miscarriage• Calculation of gestational age from LMP	Dr. Hemasa Gul

LEARNING OUTCOMES FOR FOURTH YEAR MBBS STUDENTS BACHA KHAN MEDICAL COLLEGE

Duration of rotation: 3 weeks rotation in gynae A ward

Timings: 10:00am -12:00 am, from Monday to Friday

- Each student should be allotted bed on the first day in ward. Students will be daily monitored by the Post Graduate resident on duty and should present their history daily.
- The student should arrive on time and dress appropriately (lab coats).
- The student should respect patient, hospital staff and other personal.
- The student should take active participation in outpatient department, Operation Theater, evening ward rounds and participation in minor procedure skills.
- Students must carry a bag pack with bp set, stethoscope, measuring tape, thermometer and the log book.
- Students should sign the morning and evening attendance proforma by facilitator on same day.
- Students must report to the ward at sharp 9 am and the facilitator will take them to ot and opd and would be asked to join the activities for fulfilling the respective learning outcome.
- History should be written in log book and submitted at the end of each week to the focal person of ward.
- The formative assessment test would be within the posting duration on the last day of rotation.

**LEARNING OUTCOMES FOR FOURTH YEAR CLINICAL ROTATION IN
GYNAE A DEPARTMENT
MTI MMC MARDAN**

Week	Learning Outcomes	Learning Objectives	Teaching strategy	Assessment Method
First week	By the end of first week student should be able to record a detailed history and examination of obstetric and gynae patient	<ul style="list-style-type: none"> ✓ Record history of obstetric patient (diabetes, hypertension, anemia, antepartum hemorrhage) ✓ Perform general physical examination of obstetric patient. ✓ Perform abdominal examination of obstetric patient. ✓ Assess and manage a patient with: <ol style="list-style-type: none"> 1) Abdominal uterine bleeding 2) Subfertility 3) Utero vaginal prolapse 4) Adnexal mass 5) Molar pregnancy 6) Ectopic pregnancy 7) Endometriosis 8) Menopause 9) Urinary incontinence 10) PCOS 11) Fibroid uterus 12) Miscarriage 	Small group discussion on bed side	Structure viva. Short case OSCE

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Week	Learning Outcomes	Learning Objectives	Teaching strategy	Assessment Method
Second week	By the end of first week student should be able to:	<ul style="list-style-type: none"> • Assess and manage patients in ward with acute gynecological emergencies 1) Acute Pelvic Inflammatory Disease (PID) 2) Ovarian torsion 3) Ruptured ectopic • Perform complete general physical examination • Observe per abdominal and per vaginal examination on patient/ manikin after informed consent. • Demonstrate skills in communication of information with clear, concise explanation that are understandable to the patient (contraceptive counselling). 	Small group discussion on bed side	Structure viva. Short case OSCE

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<p>Third week</p>	<p>By the end of third week student should be able to: Describe perioperative and postoperative care in obstetrics and gynae patient</p>	<ul style="list-style-type: none"> • Recognize common gynaecological surgical procedures in terms of patient selection, preoperative requisites and risk benefits of each procedure (total abdominal hysterectomy, salpingectomy, cystectomy, oophorectomy, myomectomy, tubal ligation and dilation and curetage). • Identify different types of suture material used during gynae procedures. • Identify different types of surgical instruments used in gynae procedures. 		
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TIME TABLE FOURTH YEAR MBBS BACHA KHAN MEDICAL COLLEGE MARDAN

Clinical Days: Monday to Friday

Timings :10:00 am to 12:00 pm

DURATION OF ROTATION 22 DAYS (3 WEEKS IN GYNAE A)

10:00 am - 10:30 am History taking in ward/OPD

10:30 am - 11:30 am Topic discussion

11:30 am –12:00 pm assessment (formative)

FACILITATOR	ACTIVITIES	
Dr. Fatima Muslim	<p>Case base learning (History and examination of Obstetric/Gynae patient)</p> <ul style="list-style-type: none">➤ hypertension➤ Diabetes➤ utero vaginal prolapse➤ adnexal mass➤ Molar pregnancy➤ Ectopic pregnancy➤ Endometriosis➤ Ot instruments➤ major and minor obstetrics and gynae procedures observation	
Dr.Maryam Badshah	<p>Case base learning (History and examination of Obstetric/Gynae patient)</p> <ul style="list-style-type: none">➤ Menopause➤ Urinary incontinence➤ PCOS➤ Fibroid uterus➤ Miscarriage➤ APH➤ Anemia➤ Subfertility➤ Sutures➤ Major and minor obstetrics and gynae procedures observation.	

LEARNING OUTCOMES FOR FINAL YEAR MBBS STUDENTS BACHA KHAN MEDICAL COLLEGE

Duration of Rotation : 8 weeks rotation (4 weeks in gynae A and 4 weeks in gynae B).

Timings : Monday to Friday 10:00 am to 1:00 pm.

Evening hospital work 6:00 pm to 8:00 pm

- Each student should be allotted bed on the first day in ward . During maternity students will be daily monitored by the Post Graduate resident on duty and should present their beds during evening round daily.
- The student should arrive on time and dress appropriately (lab coats).
- The student should respect patient, hospital staff and other personal.
- The student should take active participation in outpatient department, Operation Theater, evening ward rounds and participation in minor procedure skills.
- History should be written in log book and submitted at the end of each week to the focal person of ward.
- The formative assessment test would be within the posting duration on the last day of rotation.
- Any student found absent from maternity would be marked absent for that day and deficit to be completed on Saturday.

LEARNING OUTCOMES FOR ROTATION IN GYNAE A WARD

<p>WEEK 1</p>	<p>By the end of first week student should be able to record a detailed obstetric history and perform obstetric examination on a patient/mannequin</p>	<ul style="list-style-type: none"> ✓ Record history of an obstetric patient in an organised and logical manner (Hypertension in pregnancy, Gestational diabetes, antepartum haemorrhage, Preeclampsia, Polyhydramnios, Oligohydramnios, Premature rupture of membranes, Previous scar with pregnancy). ✓ Interview and communicate with a patient and her family effectively related to obstetric problems. ✓ Perform complete and orderly. ✓ General physical examination in an obstetric patient. ✓ Perform a detailed abdominal examination in an obstetric patient demonstrating all the four basic steps of per abdominal examination. ✓ Discuss the differential diagnosis on the basis of history and examination. 	<p>Bedside teaching</p>	<p>Structured viva / OSCE</p>
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<p>WEEK 2</p>	<p>By the end of first week student should be able to record a detailed gynaecological history and perform gynaecological examination on a patient/mannequin.</p>	<ul style="list-style-type: none"> ✓ Record history of a gynae patient in an organised and logical manner (Abnormal uterine. bleeding, abdominopelvic mass, Vaginal discharge, Uterovaginal prolapse, Urinary incontinence, Early pregnancy losses, Ectopic pregnancy, Gestational trophoblastic diseases) ✓ Interview and communicate with a patient and her family effectively related to gynaecological problems. ✓ Perform complete and orderly. ✓ General physical examination in an gynaecological patient. ✓ Perform a detailed per speculum and bimanual examination in a gynaecological patient. ✓ Discuss the differential diagnosis on the basis of history and examination. 	<p>Bedside teaching</p>	<p>Structured viva / OSCE</p>
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<p>WEEK 3</p>	<p>By the end of third week student should be able to manage patient with operative delivery.</p>	<ul style="list-style-type: none"> • Identify different malpresentation and malposition on manikin • Discuss management options of breech presentation. • Identify forcep and vaccum • Explain prerequisites of instrumental delivery • Discuss side effect and complications of instrumental delivery. • Perform steps of episiotomy • Discuss ECV and its complications. • Demonstrate knowledge of perioperative care and familiarity with gynae procedures (hysterectomy, cystectomy, myomectomy, tubal ligation, dilation and curettage). 	<p>Demonstration on manikin/simulation</p>	<p>OSCE</p>
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WEEK 4	By the end of fourth week the student should be able to:	<ul style="list-style-type: none"> • Perform hand hygiene • Demonstrate gowning and gloving. • Perform per speculum examination for pap smear screening and high vaginal swab . 	Small group discussion	OSCE
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**LEARNING OUTCOMES CLINICAL ROTA GYNAE B DEPARTMENT MTI
MMC MARDAN**

Week	Learning Outcomes	Learning Objectives	Teaching Strategy	Assessment Method
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WEEK 1	By the end of first week student must be able to: Record a detailed history and examination of gynae patient.	<ul style="list-style-type: none"> • Review the management of patient in an organized and logical manner (history of abnormal uterine bleeding, subfertility, utero vaginal prolapse, adnexal mass). • Interview and communicate with patients and family effectively related to Obstetric/ gynae problems. • Perform complete and orderly general physical examination. • Observe per abdominal and per vaginal examination on patient/ manikin after inform consent. • Demonstrate skills in communication of information with clear, concise explanation that are understandable to patient. 	Bed side Teaching	Structured viva OSCE
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