



Faculty of Medicine

Students Guide: Semester 2 Year 2

Academic Session: 2020/2021

Name of Course: Organ System III

Course Code: BMM20216

Module 13: Reproductive System

(ONLINE TEACHING)

Date of Module: 2nd MAY 2021-19th JUNE 2021

Prepared by:

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Date:

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MBBS curriculum Committee Members
Medical Faculty, UniSZA

FACULTY OF MEDICINE

VISION

Faculty of Medicine aspires to be an excellent institution in producing high quality health professionals, research and community services.

MISSION

Faculty of Medicine shall provide dynamic curricula guided by excellent educators in conducive environment, nurture sustainable research culture and inculcate community-focused activities.

TEACHING AND LEARNING METHODS

L : Lecture
CAL : Computer Assisted Learning
PRC : Practical
ECE : Early Clinical Exposure
PPD : Personal and Professional Development
PBL : Problem Based Learning
TUT : Tutorial

ASSESSMENT:

Continuous Assessment (CONASS)
End of Module Assessment (EOM)
End of Semester Examination (EOS)
'Professional 1 (PRO 1)

LOCATION

MKK 1 : Makmal Kemahiran Klinikal 1
MKK 2 : Makmal Kemahiran Klinikal 2
DK A : Dewan Kuliah A
DK B : Dewan Kuliah B
DK C : Dewan Kuliah C
CL 1 : Makmal Komputer 1
CL 3 : Makmal Komputer 3
M. Biokim : Makmal Biokimia
M. Mikro : Makmal Mikrobiologi
M. Histo : Makmal Histologi
BT1 : Bilik Tutorial 1
BT2 : Bilik Tutorial 2
BT3 : Bilik Tutorial 3
BT4 : Bilik Tutorial 4
BT5 : Bilik Tutorial 5
BT6 : Bilik Tutorial 6
BT7 : Bilik Tutorial 7
BT8 : Bilik Tutorial 8
BT9 : Bilik Tutorial 9
BT10 : Bilik Tutorial 10
BT11 : Bilik Tutorial 11
BT12 : Bilik Tutorial 12
BT13 : Bilik Tutorial 13

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MODULE 13: REPRODUCTIVE SYSTEM

**Module 13 Coordinator: Dr. Nur Farhana binti Che Lah
(H/P: 014-8323811)**

CONTENT SYNOPSIS

This course emphasises fundamental knowledge of the reproductive system. It covers gross anatomy, radiological anatomy, histology, embryology, physiology and biochemistry of the reproductive system. The physiology of the reproductive module deals with the study of male and female reproductive systems, pregnancy and function of placenta, parturition and lactation. The aetiology, pathogenesis, pathological changes of common diseases affecting the reproductive system and their clinical manifestations, as well as related microbiology and pharmacological treatment make up the whole integrated course.

OBJECTIVES/ INTENDED LEARNING OUTCOMES

At the end of this module the students are expected to be able to:

- CLO 1: Apply the knowledge of anatomy, physiology, biochemical processes, pathology and pharmacology to the clinical problems in the reproductive system.**
- CLO 2: Display the skills in identifying anatomical and pathological structures, interpreting laboratory data and performing basic clinical examination in the reproductive system.**
- CLO 3: Demonstrate effective communication skills with peers during collaborative learning.**
- CLO 4: Demonstrate good teamwork with peers during collaborative learning.**

LEARNING ACTIVITIES

1. Lectures
2. Tutorials
3. Practical
4. Forum/panel discussion
5. Problem based learning (PBL)
6. Self-Study
7. Seminars
8. Computer Assisted Learning (CAL)

ASSESSMENT METHODS

1. Continuous Assessment - Assignments, CAL, Seminar, PBL
2. End of Module Assessment (EOM) - MCQ, SEQ
3. End of Semester Examination (EOS) - MCQ, SEQ, PBQ, OSPE
4. Professional 1 Examination (PRO1) - MCQ, SEQ, PBQ, OSPE

OUTLINE OF COURSE CONTENT (LECTURES)

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
An Introduction to Module	NFCL	Introduction to Module	
Feedback session			
Anatomy 1	NM	Male Reproductive Organs	<ul style="list-style-type: none"> • Describe the anatomy of scrotum, spermatic cord, testes, ductus deferens, penis and accessory sex glands. • Describe the relations of ductus deferens and seminal vesicles. • Describe the blood supply, nerve supply and lymphatic drainage of the male reproductive system. • Discuss the clinical application.
Anatomy 2	AH	Female Reproductive Organs	<ul style="list-style-type: none"> • Describe the anatomy of female external genitalia. • Describe the anatomy of uterus, uterine tube and ovary. • Describe the relations of uterus, uterine tube and ovary. • Name the blood supply, nerve supply and lymphatic drainage of the female reproductive system. • Discuss the clinical application.
Anatomy 3	NFCL	Male and Female Perinea	<ul style="list-style-type: none"> • Define perineum. • Describe the boundaries, relations and contents of male and female perineum. • Differentiate anatomically the male and female perineum. • Discuss the pelvic diaphragm and ischioanal fossa. • Discuss the clinical application.
Anatomy 4	NFCL	Mammary Gland	<ul style="list-style-type: none"> • Describe the anatomy and development of mammary gland. • Describe the blood supply, nerve supply and lymphatic drainage of mammary gland. • Describe histology of mammary gland. • Discuss the clinical application.
Anatomy 5	AH	Development of the	<ul style="list-style-type: none"> • Describe the development of the male gonads.

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
		Male Reproductive System	<ul style="list-style-type: none"> • Describe the development of the ductal system in males. • Describe the development of male external genitalia. • Name the common congenital anomalies of male reproductive system.
Anatomy 6	AH	Development of the Female Reproductive System	<ul style="list-style-type: none"> • Describe the development of the female gonads. • Describe the development of the ductal system in females. • Describe the development of female external genitalia. • Name the common congenital anomalies of female reproductive system.
Anatomy 7	TFM	Histology of the reproductive system	<ul style="list-style-type: none"> • Describe the histology of the male reproductive system (testes, vas deference and seminal vesicles). • Describe the histology of the female reproductive system (uterus, fallopian tube and ovary).
E- learning	NM	Bony pelvis	<ul style="list-style-type: none"> • Describe the different types of pelves. • Differentiate the male and female pelves. • Describe the boundaries of pelvic inlet, cavity and the pelvic outlet. • Discuss the transverse, oblique and anteroposterior diameters of the pelvic inlet, cavity and the pelvic outlet.
Physiology 1	SAM	Introduction to reproductive physiology	<ul style="list-style-type: none"> • Describe the sexual development and the differences between male and female. • Describe the stages of pubertal development – Tanner’s classification. • Describe changes occurring during puberty in male and female. • Describe control of onset of puberty, early onset and delayed onset of puberty.

Physiology 2 & 3	MMT	The male reproductive system I & II	<ul style="list-style-type: none">• Describe the male reproductive structures.• Describe the spermatogenetic process and its regulation.• Describe the composition and function of the seminal fluid.• Describe the endocrine testis.• Describe the functions of testosterone.• Explain the regulation of testicular functions.• Describe the clinical consequences of abnormal testis function.

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
Physiology 4 & 5	NAAB	The female reproductive system I & II	<ul style="list-style-type: none"> • Describe the female reproductive structures. • Describe the process and regulation of oogenesis. • Describe the ovarian and menstrual cycles. • Explain ovulatory process and indicators of ovulation. • Describe the cervical and vaginal cycles. • Explain the endocrine regulation of the ovarian and menstrual cycles. • Describe the endocrine ovary. • Describe the functions of oestrogen and progesterone.
Physiology 6 & 7	NAS	Physiology of coitus, pregnancy & parturition I & II	<ul style="list-style-type: none"> • Describe the sexual responses of male and female. • Describe the process of ovum transport, fertilisation and implantation. • Describe the role of hormones of pregnancy (progesterone, hCG, hCS and other placental hormones). • Describe the physical and physiological changes associated with pregnancy. • Describe the physiological mechanism of parturition.
Physiology 8	SAM	Placental circulation and functions of placenta	<ul style="list-style-type: none"> • Describe the functional structures of the placental circulation. • Explain the importance of placental circulation. • Describe the differences between foetal and maternal circulation. • Describe the functions of the placenta.
Physiology 9	MNMN	Physiology of lactation	<ul style="list-style-type: none"> • Describe the functional structures of the mammary gland. • Describe the role of hormones in the development of breast and milk secretion. • Describe the functions of prolactin and the regulation of its secretion. • Discuss the initiation of lactation and maintenance of lactation after delivery. • Describe the milk ejection reflex.
Biochemistry 1	USMR	Metabolism of sex hormones	<ul style="list-style-type: none"> • List of male and female sex hormones, sources and functions. • Explain their synthesis, breakdown and regulation. • Explain the mechanism of action for their biological effect.

Biochemistry 2	NSMS	Metabolic changes during pregnancy	<ul style="list-style-type: none"> • Explain the nutritional requirements during pregnancy. • Explain the metabolic changes of carbohydrates, lipid and proteins during pregnancy.
Pathology 1	TZ	Diseases of Male Reproductive Organs	<ul style="list-style-type: none"> • Define cryptorchidism. • Describe the pathogenesis, pathology, and clinical features of cryptorchidism. • Describe the effects and complications of orchididymal orchitis. • Describe the clinicopathological features of preinvasive and invasive forms of penile carcinoma. • Outline the classification of testicular tumour. • Describe the pathogenesis of testicular tumours and the clinicopathological features of common testicular tumours.
Pathology 2	NHAB	Cervical Neoplasia	<ul style="list-style-type: none"> • Define cervical intraepithelial neoplasia (CIN), carcinoma in situ (CIS), and squamous intraepithelial lesion (SIL). • Describe the interrelations of naming system (CIN, CIS, SIL) in premalignant cervical disease. • Describe the epidemiology and risk factors of cervical cancer. • Describe the pathogenesis of cervical neoplasia and the role of human papillomavirus. • Describe the gross and microscopic features of cervical cancer. • Outline the clinical features of cervical cancer.
Pathology 3	TZ	PCOS & epithelial tumour of ovary	<ul style="list-style-type: none"> • Outline cystic lesions of ovaries and its pathology. • Describe the pathogenesis, pathology, and clinical features of polycystic ovary syndrome. • Classify the ovarian surface epithelial tumours. • Describe the pathogenesis and clinical features of serous and mucinous tumours. • Describe the differences in gross and histological features of serous and mucinous tumours.

Pathology 4	TZ	Non-epithelial tumour of ovary	<ul style="list-style-type: none"> • Classify the ovarian germ cell tumours. • Describe the pathogenesis, pathology, and clinical features of dysgerminoma and teratoma. • Outline the classification of ovarian sex cord/stromal tumours. • Describe the pathogenesis, pathology, and clinical features of ovarian fibroma, thecoma, and granulosa cell tumours.
Pathology 5	RN	Uterine disorders	<ul style="list-style-type: none"> • List the types of uterus tumours based on the cell origin. • Describe the pathology and clinical features of endometrial polyp. • Describe the classification of benign endometrial hyperplasia and its morphology. • Discuss the risk factors of endometrial carcinoma. • Describe the endometrioid and nonendometrioid types of endometrial carcinoma. • Describe the pathology and clinical features of leiomyoma. • Outline leiomyosarcoma. • Define adenomyosis and endometriosis. • Describe the aetiology, pathology and clinical features of adenomyosis and endometriosis.
Pathology 6	RN	Gestational trophoblastic disease	<ul style="list-style-type: none"> • Outline the spectrum of gestational trophoblastic diseases (complete, partial, and invasive hydatidiform moles as well as choriocarcinoma). • List the risk factors of hydatidiform mole. • Describe the pathogenesis, pathology, and clinical features of hydatidiform mole. • Describe the pathology and clinical features of choriocarcinoma.
Pathology 7	NHAB	Breast disorders and benign epithelial lesions	<ul style="list-style-type: none"> • Describe the clinicopathological features of Phylloides tumours. • Describe the clinicopathological features of benign conditions including fibroadenoma, fibrocystic disease, fat necrosis and mastitis/breast abscess.
Pathology 8	NHAB	Breast carcinoma	<ul style="list-style-type: none"> • Outline the incidence and epidemiology of breast carcinoma.

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
			<ul style="list-style-type: none"> • State the classification of breast carcinoma. • Identify the causes and describe the pathogenesis of breast carcinoma. • Explain briefly the morphology and histopathology of breast carcinoma. • State briefly prognostic and predictive factors of breast carcinoma.
Microbiology 1	SIS	Sexually transmitted diseases (STD)	<ul style="list-style-type: none"> • Define sexually transmitted diseases (STD). • Explain types of STD, clinical presentations and the causative organisms. • Discuss the microbiological investigation of STD. • Outline the management and prevention of STD.
Microbiology 2	NIAR	Syphilis	<ul style="list-style-type: none"> • Define syphilis. • Name the causative organisms and list the pre-disposing factors. • Describe the epidemiology. • Describe the pathogenesis, clinical presentations and complications. • Explain the microbiological investigations. • Outline the management and prevention of syphilis.
Parasitology 1	NB	Trichomoniasis	<ul style="list-style-type: none"> • List the Trichomonas species. • Describe the structures of Trichomonas species. • Describe the basic characteristics of <i>Trichomonas vaginalis</i> (TV). • Describe life cycle of TV. • Explain the clinical manifestations of TV. • Outline the diagnosis of TV. • Outline management of TV.
Pharmacology 1	SYNJ	Hormonal contraceptives	<ul style="list-style-type: none"> • Classify hormonal contraceptives. • Explain the mechanism of action of hormonal contraceptives. • Describe pharmacokinetics, uses and side effects of hormonal contraceptives.

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
Pharmacology 2	MSAA	Drug affecting the uterus	<ul style="list-style-type: none"> Classify tocolytic agents and uterine stimulants. Explain the mechanism of action of the above agents. Describe pharmacokinetics, uses and side effects of these agents.
Pharmacology 3	SDA	Hormone replacement therapy (HRT)	<ul style="list-style-type: none"> Classify hormone replacement therapy (HRT). Explain the mechanism of action of HRT. Describe pharmacokinetics, uses and side effects of HRT. Describe the rationale of using HRT.
Pharmacology 4	SHN	Ovulation inducing agents (OIA)	<ul style="list-style-type: none"> Classify ovulation inducing agents (OIA). Explain the mechanism of action of OIA. Describe pharmacokinetics, uses and side effects of OIA.
Radioimaging 1	Dr. Norhasiza Mat Jusoh	Radiological anatomy of reproductive system	<ul style="list-style-type: none"> Identify normal radiological anatomy of male reproductive organs: <ul style="list-style-type: none"> Penis, urethra and vas deferens on CT and MRI. Testicles and prostate on US, CT and MRI. Identify normal radiological anatomy of female reproductive system on US, CT, MRI and hysterosalpingography.
Community Medicine 1	Dr. Nurulhuda Mat Hassan	Overview of STD and its prevention	<ul style="list-style-type: none"> List common clinical presentations of sexually transmitted disease (STD). List common microorganisms causing STD. Explain the medical consequences of STDs on adults and newborn. Describe STD modes of transmission. Explain the wheel of STD prevention. List the counselling strategy of STD.
Community Medicine	Assoc. Prof. Dr.	Demography	<ul style="list-style-type: none"> Explain demography.

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
2	San San Oo		<ul style="list-style-type: none"> List factors that lead to population growth and population composition change. Identify the features that contribute to the demographic transition. Deduce population change from a given population pyramid chart. List problems associated with over population.
Community Medicine 3	Dr. Mohd Ihsanuddin Abas	Maternal & child health program (MCH)	<ul style="list-style-type: none"> Describe the scope of maternal and child health (MCH) program services in Malaysia. List the common health risks of women and children. List the determinants of MCH. Explain pregnancy wastage. Define perinatal, postnatal, post-neonatal and infant death. Define maternal death. Explain the reason for high priority of maternal and child health (MCH) services.
Psychological Medicine 1	Dr Khairi Che Mat	Psychiatry and reproductive medicine	<ul style="list-style-type: none"> Explain psychology of pregnancy. Explain premenstrual dysphoric disorder (PMDD). Explain postpartum psychiatric disorders: postpartum depression and postpartum psychosis.
Psychological Medicine 2	Assoc. Prof. Dr. Rohayah binti Husain	Human sexuality and dysfunction	<ul style="list-style-type: none"> Define sexuality and gender identity. Explain male sexual dysfunction: aetiology and clinical features, management. Explain female sexual dysfunction: aetiology and clinical features, management.
Clinical 1	AP Dr Anisah Jalaludin	Amenorrhoea	<ul style="list-style-type: none"> Define amenorrhoea, its classification, causes, primary and secondary amenorrhoea. Explain principle of management of amenorrhoea.

DISCIPLINE	LECTURER	TOPIC	LEARNING OUTCOME
			<ul style="list-style-type: none"> • State features, causes and clinical implications of menopause.
Clinical 2	AP Dr. Ma Saung Oo	Early pregnancy problems	<ul style="list-style-type: none"> • Miscarriage: types, causes and clinical presentation. • Ectopic pregnancy: risk factors and clinical presentation. • Molar pregnancy: types and clinical presentation.
Clinical 3	Prof. Dr. Col (B) Wan Pauzi Wan Ibrahim	Congenital infections	<ul style="list-style-type: none"> • Define congenital infections. • List types of congenital infections. • List the causative organisms. • Explain the pathogenesis of congenital infections and the clinical presentations. • Explain the microbiological investigation. • Outline the management and prevention of congenital infections.
ECE 1	Assoc. Prof. Dr. Ma Saung Oo	Physiological changes in pregnancy	<ul style="list-style-type: none"> • List the physiological changes in pregnancy: • Weight changes • Linea nigra • Varicose vein

OUTLINE OF COURSE CONTENT (CAL/PBL/PPD/Prac/Seminar/Tutorial)

Type & Discipline	Lecturer	Title	Learning Outcome
CAL 1 Physiology	NAAB, NAS, SAM	Ovarian and menstrual cycles & the process of spermatogenesis	<ul style="list-style-type: none"> • Describe maturation of the follicles and fertilisation of ovum. • Describe the regulation of ovarian function. • Explain the process of spermatogenesis.
PBL	MMT, NHAB, SIS, MSA, SDA, SYNJ	Case 1	“ Caught in time” (Cervical carcinoma)
PBL	TFM, NFCL, MNMN, AAB, NHAB, RAR	Case 2	“ I found a lump in my breast” (Breast abscess)
PPD 8	Assoc. Prof. Dr. Anisah Jalaluddin	Safeguarding patient modesty	<ul style="list-style-type: none"> • Explain modesty. • Describe modesty in relation to religions. • Describe patients' modesty in medical practice. • List out the ways to safeguard patients' modesty in medical practice.
PPD 9	Dr. Mohd Ihsanuddin Abas	Basic medical informatics	<ul style="list-style-type: none"> • Classify medical informatics. • Explain elements of medical informatics. • Explain the relevance of medical informatics in medicine.
Practical Anatomy 1	AH, NM	Male and female reproductive organs	<ul style="list-style-type: none"> • Identify testes, penis, urethra, prostate, seminal vesicles and vas deferens. • Demonstrate the relations of male reproductive organs. • Identify uterus, ovary, fallopian tube and external genitalia. • Demonstrate the relations of female reproductive organs. • Osteology - Identify the important characteristic features bony pelvis and differentiate between male and female pelvis.

Type & Discipline	Lecturer	Title	Learning Outcome
Practical Histology 1	TFM	Histology of male and female reproductive organs	<ul style="list-style-type: none"> Identify histological features of testes, seminal vesicles and vas deferens. Identify histological features of ovary, uterus and uterine tube.
Practical Biochemistry 1	MH, AAB	Pregnancy & fertility test	<ul style="list-style-type: none"> Describe the procedure of hCG test in blood and urine and their interpretation. Describe and interpret the lab results that determine male and female fertility.
Practical Histopathology 1	TZ	Pathology of uterus and cervix	<ul style="list-style-type: none"> Identify and describe the gross and microscopic features of endometrial hyperplasia. Identify and describe the gross and microscopic features of adenomyosis. Identify and describe the gross and microscopic features of leiomyoma. Identify and describe the gross and microscopic features of leiomyosarcoma. Identify and describe the gross and microscopic features of endometrial carcinoma. Identify and describe the gross and microscopic features of cervical cancer.
Practical Histopathology 2	TZ	Pathology of ovary	<ul style="list-style-type: none"> Identify and describe the gross and microscopic features of benign epithelial tumours of the ovary. Identify and describe the gross and microscopic features of malignant epithelial tumours. Identify and describe the gross and microscopic features of ovarian teratoma. Identify and describe the gross and microscopic features of germ cell tumours of the ovary.

Type & Discipline	Lecturer	Title	Learning Outcome
Practical Histopathology 3	NHAB	Pathology of breast	<ul style="list-style-type: none"> Identify and describe the gross and microscopic features of benign breast diseases (fibrocystic diseases, fibroadenoma, phylloides tumour and papilloma). Identify and describe the gross and microscopic features of carcinoma of breast.
Practical Microbiology 1	KAJ	Laboratory diagnosis of STD	<ul style="list-style-type: none"> Explain the procedure for sample collection, processing and reporting of results of genital and STD specimens. Interpret the laboratory result of genital specimens. Identify the causative organisms of STD. Describe the microscopic appearance and colony morphology of the causative organisms of STD. Interpret the serological results for STD.
Seminar 1	Assoc. Prof. Dr. Anisah, Dr. Thant Zin	Pre-eclampsia	<ul style="list-style-type: none"> Define normal blood pressure. Define hypertension (HPT). Describe the types of HPT in general. Define HPT in pregnancy. Describe the types of HPT in pregnancy including pre-eclampsia (PE). Explain the pathophysiology of PE. List the possible complications.
Seminar 2	Assoc. Prof. Dr. Ma Saung Oo, Associate Prof. Dr. Murnihayati	Postpartum haemorrhage	<ul style="list-style-type: none"> Define postpartum haemorrhage (PPH) and its type. Describe the important causes of PPH. Explain the pathophysiology of PPH. List the possible complications.
EOM 13	Prof. Dr. U.S. Mahadeva Rao Dr. Samhani binti Ismail Dr. Siti Hawa binti Nordin		

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2. Jamie Weir, Peter Abraham (2011). Imaging Atlas of Human Anatomy (4th Edition), Elsevier Health Sciences.

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1. Hutchinson's Clinical Examination: A systemic guide to physical diagnosis, 6th edition (2010), Churchill Livingstone.
2. Macleod's Clinical Examination. 13th edition, (2013), Churchill Livingstone.
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

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
(SEMESTER 2, YEAR 2)
Academic Session 2020/2021**

WEEK 1		MODULE 13: REPRODUCTIVE SYSTEM							Module Coordinator: Dr. Nur Farhana	
TIME DATE	8.30 – 9.30	9.30 – 10.00	10.00 – 11.00	11.00 11.30	11.30 - 12.30	12.30 – 2.30	2.30 – 3.30	3.30 – 4.30		
SUN 2.5.21	REPLACEMENT FOR LABOUR DAY HOLIDAY									
MON 3.5.21		Intro. to Module NFCL		Male reproductive organs NM		Female reproductive organs AH		Bahasa Arab Kebangsaan (PBI 10302) KNS Bahasa Arab Agama (PBI 10402) AA		
TUE 4.5.21	Introduction to reproductive physiology SAM		Male and female perinea NFCL		Development of the Female Reproductive System AH		The male reproductive system I & II MMT			
WEDNES 5.5.21	The female reproductive system I & II NAAB			Histology of the reproductive system TFM			Extra-Curricular Activities			
THURS 6.5.21	Metabolism of sex hormones USMR		Mammary gland NFCL		Development of the Male Reproductive System AH		Congenital infection Prof Pauzi	E- Learning Bony Pelvis NM		

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
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Academic Session 2020/2021**

WEEK 2		MODULE 13: REPRODUCTIVE SYSTEM							Module Coordinator: Dr. Nur Farhana	
TIME DATE	8.30 – 9.30	9.30 – 10.00	10.00 – 11.00	11.00 11.30	11.30 - 12.30	12.30 – 2.30	2.30 – 3.30	3.30 – 4.30		
SUN 9.5.21	Physiology of coitus, pregnancy & parturition I & II NAS			Placental circulation and functions of placenta SAM			SELF- STUDY			
MON 10.5.21	Metabolic changes during pregnancy NSMS		Physiology of lactation MNMN		Diseases of male reproductive organ TZ		Bahasa Arab Kebangsaan (PBI 10302) KNS Bahasa Arab Agama (PBI 10402) AA			
TUES 11.5.21	Cervical neoplasia NHAB		PBL: Case 1, Session 1 MMT, NHAB, SIS, MSAA, SDA, SYNJ (ONLINE)				KeLIP Ovarian and menstrual cycles & the process of spermatogenesis NAAB, NAS, SAM			
WEDNES 12.5.21	PCOS & Epithelial tumour of ovary TZ		Early pregnancy problem Ma Saung		Pbl Case 1 Group Discussion		Extra-Curricular Activities			
THURS 13.5.21	EID IDUL FITRI									

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
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Academic Session 2020/2021**

		<u>MODULE 13: REPRODUCTIVE SYSTEM</u>						Module Coordinator: Dr. Nur Farhana Che Lah	
DAY/ TIME	8.30 – 9.30	9.30 – 10.30		11.00 – 12.00	12.00 - 1.00		2.30 – 3.30	3.30 – 4.30	
SUN 16.5.21	MID-SEMESTER 2 BREAK								
MON 17.5.21									
TUES 18.5.21									
WEDNES 19.5.21									
THURS 20.5.21									

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
(SEMESTER 2, YEAR 2)
Academic Session 2020/2021**

WEEK 3		MODULE 13: REPRODUCTIVE SYSTEM						Module Coordinator: Dr. Nur Farhana	
TIME DATE	8.30 – 9.30	9.30 – 10.00	10.00 – 11.00	11.00 – 11.30	11.30 - 12.30	12.30 – 2.30	2.30 – 3.30	3.30 – 4.30	
SUN 23.5.21	Non-epithelial tumour of ovary TZ		Uterine disorders RN		Trichomoniasis NB		Practical Histopathology 1 Pathology of uterus and cervix TZ ONLINE		
MON 24.5.21	Psychiatry and reproductive medicine KCM		PBL: Case 1, Session 2 MMT, NHAB, SIS, MSAA, SDA, SYNJ (ONLINE)				Bahasa Arab Kebangsaan (PBI 10302) KNS Bahasa Arab Agama (PBI 10402) AAI		
TUES 25.5.21	Amenorrhoea Anisah		Gestational trophoblastic disease RN		Breast disorders and benign epithelial lesions NHAB		Practical Histopathology 2 Pathology of ovary TZ ONLINE		
WEDNES 26.5.21	WESAK DAY								
THURS 27.5.21	Drug affecting the uterus MSAA		Overview of STD and its prevention Huda		Hormonal contraceptives SYNJ		SELF- STUDY		

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
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Academic Session 2020/2021**

WEEK 4		MODULE 13: REPRODUCTIVE SYSTEM						Module Coordinator: Dr. Nur Farhana	
DATE	TIME	8.30 – 9.30	9.30 – 10.00	10.00 – 11.00	11.00 – 11.30	11.30 - 12.30		2.30 – 3.30	3.30 – 4.30
SUN 30.5.21		Hormone replacement therapy SDA		Breast carcinoma NHAB				Practical Biochemistry Pregnancy & fertility test DK A	MH, AAB
MON 31.5.21		Human sexuality & dysfunction Rohayah		Seminar: Pre-eclampsia Assoc. Prof. Dr. Anisah, Dr. Thant zin				Bahasa Arab Kebangsaan (PBI 10302) KNS Bahasa Arab Agama (PBI 10402) AAI	
TUES 1.6.21		Ovulation inducing agents SHN		Maternal & Child health program Ihsan				Practical Histopathology 3 Pathology of breast NHAB ONLINE	
WEDNES 2.6.21		Syphilis NIAR		PBL Case 2, Session 1 TFM, NFCL, MNMN, AAB, NHAB, RAR (BT 1-6)				Extra-Curricular Activities	
THURS 3.6.21		Radiological anatomy of reproductive system NMJ		PBL Case 2 Group Discussion				SELF- STUDY	

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
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Academic Session 2020/2021**

WEEK 5		MODULE 13: REPRODUCTIVE SYSTEM							Module Coordinator: Dr. Nur Farhana	
DATE	TIME	8.30 – 9.30	9.30 – 10.00	10.00 – 11.00	11.00 – 11.30	11.30 - 12.30	12.30 – 2.30	2.30 – 3.30	3.30 – 4.30	
SUN 6.6.21		Seminar 2 Postpartum haemorrhage Ma Saung, TFM		SELF - STUDY			Practical Histology Histology of Male & Female reproductive organs TFM Shahril, Azuan			
MON 7.6.21	REPLACEMENT FOR CORONATION OF YDP AGONG									
TUES 8.6.21	Safeguarding patient modesty Anisah		PBL Case 2, Session 2 TFM, NFCL, MNMN, AAB, NHAB, RAR (BT 1-6)					SELF- STUDY		
WEDNES 9.6.21	Demography SSO		Practical Anatomy Male and female reproductive organs AH, NM Faizzul, Khairul, rostamizi, faradi					Extra-Curricular Activities		
THUR 10.6.21	SELF - STUDY		Practical Microbiology Laboratory diagnosis of STD KAJ Faizzul, Azlina, Tajul							

**BACHELOR OF MEDICINE & BACHELOR OF SURGERY (MBBS) PROGRAMME PHASE 1
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WEEK 6		MODULE 13: REPRODUCTIVE SYSTEM						Module Coordinator: Dr. Nur Farhana	
DATE	TIME	8.30 – 9.30	9.30 – 10.00	10.00 – 11.00	11.00 – 11.30	11.30 - 12.30	12.30 – 2.30	2.30 – 3.30	3.30 – 4.30
SU 13.6.21		ECE Physiological changes in pregnancy Associate Prof. Ma Saung			SELF- STUDY			SELF- STUDY	
MON 14.6.21	Basic medical informatics Dr. Mohd Ihsan		TUTORIAL Pathology RN, NHAB, TZ	SELF- STUDY			Bahasa Arab Kebangsaan (PBI 10302) KNS Bahasa Arab Agama (PBI 10402) AA		
TUES 15.6.21	TUTORIAL Physiology NAS, NAAB		TUTORIAL Anatomy AH, NM	SELF- STUDY			SELF- STUDY		
WEDNES 16.6.21	SELF- STUDY						Extra-Curricular Activities		
THURS 17.6.21	EOM 13 Examination (9.00 – 11.15 am) Invigilator: Prof. Dr. U.S. Mahadeva Rao, Dr. Samhani binti Ismail, Dr. Siti Hawa binti Nordin								

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