

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	妇产科学 Gynecology & Obstetrics
2.	授课院系 Originating Department	医学院 School of Medicine
3.	课程编号 Course Code	MED408
4.	课程学分 Credit Value	4.5
5.	课程类别 Course Type	专业核心课/ Major Core Courses
6.	授课学期 Semester	秋季/ Fall
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	马利国, 南方科技大学附属第一医院, dr.lgma@qq.com Liguo Ma, 1st Affiliated Hospital of SUSTech, dr.lgma@qq.com
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	王博, 医学院, wangb7@sustech.edu.cn Bo Wang, School of Medicine, wangb7@sustech.edu.cn
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	48		48		96
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无/NA				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	待定/To be determined				
14. 其它要求修读本课程的学系 Cross-listing Dept.	待定/To be determined				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

本课程旨在使学生掌握妇科和产科的常见病及多发病的病因、临床表现、诊断和治疗方法以及妇女保健和计划生育的诊疗技术。

The purpose of this course is to enable students to master the etiology, clinical manifestations, diagnosis and treatment of common and frequently-occurring diseases in gynecology and obstetrics as well as the diagnosis and treatment techniques of women's health care and family planning.

16. 预达学习成果 Learning Outcomes

1. 掌握妇产科常见病多发病的发生发展规律;
 2. 掌握妇女妊娠诊断及处理的方法;
 3. 理解妇科常见病的诊治方法;
 4. 了解妇产科疾病的病因学;
 5. 具有一定的诊断和处理妇产科疾病的能力, 提高临床思维素质。
1. Master the occurrence and development rule of common diseases in obstetrics and gynecology;
 2. Master the methods of diagnosis and management of pregnancy in women;
 3. Understand the diagnosis and treatment of common gynecology diseases;
 4. Understand the etiology of obstetrics and gynecology diseases;
 5. Have a certain ability to diagnose and deal with obstetrics and gynecology diseases and improve the quality of clinical thinking.

17. 课程内容及教学日历 (如授课语言以英文为主, 则课程内容介绍可以用英文; 如团队教学或模块教学, 教学日历须注明主讲人)

Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

1. 女性生殖系统解剖及生理 Anatomy and Physiology of Female Reproductive System

女性内外生殖器官的解剖结构及功能、血管淋巴及神经分布; 骨盆结构及类型, 盆底结构; 卵泡的发育和成熟、排卵、黄体形成、黄体萎缩、性激素的合成(雌、孕、雄激素)。雌激素、孕激素、雄激素的生理作用, 生殖器官、子宫内膜、子

宫颈及分泌物、输卵管、阴道细胞的周期性变化。月经周期的调节机理，下丘脑—垂体—卵巢的神经内分泌轴对月经周期的调节机理。

Anatomical structure and function, angiolymphatic and nerve distribution of female internal and external reproductive organs; pelvic structure and type, pelvic floor structure; follicular development and maturation, ovulation, corpus luteum formation, corpus luteum atrophy, synthesis of sex hormones (estrogen, pregnancy, androgen). The physiological effects of estrogen, progesterone, and androgens, and periodic changes in reproductive organs, endometrium, cervix and secretions, fallopian tubes, and vaginal cells. Regulation mechanism of menstrual cycle, and regulation mechanism of hypothalamus-pituitary-ovarian neuroendocrine axis on menstrual cycle.

2. 妊娠生理 Physiogy of Pregnancy

受精及受精卵发育、输送与着床。胚胎、胎儿发育特点及胎儿生理特点。胎儿附属物的形成及其功能。妊娠期母体变化。The fertilization and the development, transportation and implantation of zygote. The developmental characteristics of embryo and fetus and physiological characteristics of fetus. Formation and function of fetal appendages. Maternal changes during pregnancy.

3. 妊娠诊断 Diagnosis of Pregnancy

症状和体征：停经、早孕反应，子宫变化，乳房变化，下生殖道变化，妊娠试验，超声检查，胎动，宫底高度，胎心，胎方位及胎先露。

Signs and symptoms: amenorrhea, morning sickness, uterine changes, breast changes, lower-reproductive-tract changes, pregnancy tests, sonographic recognition of pregnancy, fetal movement, fundal height, fetal heart rate, fetal position, fetal presentation.

4. 产前保健 Prenatal Care

产检记录。询问病史，体格检查，计算预产期，辅助检查，复诊评估内容，胎儿监护的技术。

Prenatal record. Previous and current health status, physical examination, the expected date of childbirth, laboratory tests, prenatal surveillance in return visit, techniques of fetal monitoring.

5. 正常分娩 Labor and Delivery

定义。分娩动因，母胎激素分泌和前列腺素分泌的作用。决定分娩的因素：四大因素。产程：产程观察与处置。分娩的准备，枕先露分娩机制，分娩镇痛。

Definition. The role of the causes of parturition, secretion of maternal-fetal hormones, and secretion of prostaglandins. Factors determining delivery: four major factors. Labor: observation and treatment of labor. Preparation for delivery, mechanism of delivery with occipital presentation, labor analgesia.

6. 过期妊娠 Postterm Pregnancy

评估孕周、诊断，定义和发病率，母儿患病率、合并症，病理与发病机制，处置和治疗。

To evaluate the gestational age and diagnosis, definition and incidence, maternal and fetal morbidity, comorbidities, pathology and pathogenesis, management and treatment.

7. 妊娠期高血压疾病 Hypertensive Disorder Complicating Pregnancy

定义，病因，病理生理，临床表现及分类（妊娠期高血压、子痫前期，子痫前期严重状态即重度子痫前期，妊娠合并慢性高血压，慢性高血压并发子痫前期，子痫），诊断、治疗，HELLP 综合征。

Definition, etiology, pathophysiology, clinical manifestations and classification: gestational hypertension, preeclampsia, severe preeclampsia, pregnancy on chronic hypertension, chronic hypertension superimposed preeclampsia; diagnosis, treatment, HELLP syndrome.

8. 流产、异位妊娠 Abortion and Ectopic Gestation

先兆流产、难免流产、不全流产、完全流产的临床特点，发展过程，诊断及处理原则。

稽留流产、习惯性流产、感染性流产的临床表现和处理原则。

异位妊娠的定义和分类。输卵管妊娠的病因和病理变化、临床特点，辅助诊断方法、处理原则。

The clinical features, develop process, diagnosis and management principles of threatened abortion, inevitable abortion, incomplete abortion and complete abortion.

The clinical features and management principles of missed abortion, habitual abortion and infected abortion.

The definition and classification of ectopic pregnancy. Etiology, pathological changes and clinical characteristics of tubal pregnancy, auxiliary diagnosis methods and treatment principles.

9. 前置胎盘 Placenta Previa

前置胎盘的定义，病因，分类，临床表现，诊断及鉴别诊断，对母儿的影响，处理原则。

Definition, etiology, classification, clinical manifestation, diagnosis and differential diagnosis, influence on pregnant woman and fetus and principle of management placenta previa.

10. 胎盘早剥 Placental Abruption, 胎儿生长受限 Fetal Growth Restriction

胎盘早剥的定义，病因，病理及病理生理变化，临床表现及分级，辅助检查，诊断及鉴别诊断，并发症，对母儿的影响，治疗原则。

胎儿生长受限的定义、病因、分类、临床表现、诊断方法和处理原则。

Definition, etiology, pathological and pathophysiological changes, clinical manifestations and grading, auxiliary examination, diagnosis and differential diagnosis, complications, the impact on the mother and child and treatment principles of placental abruption.

Definition, etiology, classification, clinical manifestations, diagnostic methods and management principles of fetal growth restriction.

11. 妊娠合并内科疾病 Pregnancy Complicated with Medical Diseases

妊娠合并心脏病 Pregnancy complicated with heart disease

了解妊娠期生理改变，妊娠与合并心脏病的相互影响，妊娠合并心脏病的种类、诊断、处理原则、进展。

Understand the physiological changes during pregnancy, the interaction between pregnancy and heart disease, type, diagnosis, treatment principle and progress of pregnancy complicated with heart disease.

妊娠合并病毒性肝炎 Pregnancy complicated with viral hepatitis

了解妊娠与病毒性肝炎的相互影响，熟悉妊娠合并病毒性肝炎诊断和鉴别诊断，熟悉妊娠合并病毒性肝炎的处理，掌握乙肝的预防、母婴传播的阻断方法。

Understand the interaction between pregnancy and viral hepatitis. Be familiar with the diagnosis and differential diagnosis of viral hepatitis in pregnancy. Be familiar with the management of viral hepatitis in pregnancy. Master the prevention of hepatitis B and the blocking methods of mother to child transmission.

妊娠合并糖尿病 Pregnancy complicated with diabetes mellitus

了解妊娠合并糖尿病的分类及定义，妊娠期糖代谢的特点及发病机制，妊娠和糖尿病的相互影响，妊娠合并糖尿病的诊断标准及规范化管理。

Understand the definition and classification of pregnancy complicated with diabetes mellitus, the characteristics and pathogenesis of glucose metabolism during pregnancy, the interaction between pregnancy and diabetes mellitus and the diagnostic criteria and standardized management of gestational diabetes mellitus.

12.异常分娩，难产 **Abnormal labor, Dystocia**

异常分娩的定义、分类、临床表现（母体及胎儿表现）；产程异常的分类；子宫收缩力的定义及特点，产力异常的定义；产力异常的分类；子宫收缩乏力的定义、病因、临床表现、对母儿的影响、预防及处理；子宫收缩过强的病因、临床表现及处理。产道异常的分类；骨产道异常的分类、临床表现、诊断及处理；软产道异常分类及处理。胎位异常的分类；肩难产的定义、高危因素、诊断及处理。

Definition, classification and clinical manifestations of abnormal labor (maternal and fetal manifestations); Classification of abnormal labour; Definition and characteristics of uterine contraction, definition of abnormal contraction; Classification of abnormal contraction; Definition, etiology, clinical manifestations, influence on maternal and fetal, prevention and treatment of uterine inertia; Etiology, clinical manifestation and management of uterine hypercontraction. Classification of abnormal canal; Classification, clinical manifestations, diagnosis and management of abnormal bony birth canal; Classification and management of abnormal soft tissues of the reproductive tract. Classification of abnormal fetal position; Definition, high risk factors, diagnosis and management of shoulder dystocia.

13.产后出血 **Postpartum Hemorrhage, PPH**

产后出血的定义，病因（子宫收缩乏力、胎盘因素、软产道裂伤、凝血功能障碍），临床表现，诊断，处理原则。

Definition, etiology (uterine atony, placental factors, soft birth canal laceration, coagulopathy), clinical manifestations, diagnosis, management principles of postpartum hemorrhage.

14.羊水栓塞 **Amniotic Fluid Embolism**

羊水栓塞的定义，病因，病理变化，临床表现，诊断方法，处理，预防措施及最新研究进展。

Definition, etiology, pathological changes, clinical manifestations, diagnostic methods, treatment, preventive measures and the latest research progress of amniotic fluid embolism.

15.子宫破裂 **Rupture of Uterus**

子宫破裂的定义，病因，临床表现，诊断及鉴别诊断，处理及预防。

Definition, etiology, clinical manifestation, diagnosis and differential diagnosis, management and prevention of uterus rupture.

16.生殖系统炎症 **Inflammation of Reproductive System**

女性生殖系统的自然防御机制。滴虫阴道炎、外阴阴道假丝酵母菌病的传播方式，临床表现、诊断、预防和治疗。慢性宫颈炎病理变化，临床表现、诊断和治疗。急慢性盆腔炎的病理变化，临床表现及治疗原则。生殖器结核的传播途径，临床表现、诊断及治疗原则。

Natural defense mechanisms of the female reproductive system. The mode of transmission, clinical manifestations, diagnosis, prevention and treatment of trichomonal vaginitis and vulvovaginal candidiasis. Pathological changes, clinical manifestations, diagnosis and treatment of chronic cervicitis. Pathological changes, clinical manifestations and

therapeutic principles of acute and chronic pelvic inflammatory disease. Route of transmission, clinical manifestations, diagnosis and treatment principles of genital tuberculosis.

17. 性传播疾病 Sexually Transmitted Disease

淋病、梅毒、尖锐湿疣、生殖器疱疹、支原体感染和衣原体感染的传播、临床诊断、治疗原则。

The transmission, clinical diagnosis and treatment principles of gonorrhoea, syphilis, condyloma acuminatum, genital herpes, mycoplasma infection and chlamydia infection.

18. 子宫鳞状上皮内病变及宫颈癌 Cervical Squamous Intraepithelial Lesion and Cervical Cancer

子宫鳞状上皮内病变的发病因素、病理变化及诊断治疗原则。宫颈癌的病理学表现及疾病的发展变化、转移途径。宫颈癌的临床分期、手术-病理分期及治疗原则。

The pathogenesis, pathological changes and principles of diagnosis and treatment of cervical squamous intraepithelial lesions. The pathological manifestations, the development and changes and the way of metastasis of cervical cancer.

The clinical staging, surgical-pathological staging and treatment principles of cervical cancer.

19. 子宫肌瘤 Myoma of Uterus

子宫肌瘤的发病情况及病因学。子宫肌瘤的类型，病理及变性，诊断及鉴别诊断。子宫肌瘤的临床表现及治疗原则，手术治疗和保守治疗。

The incidence and etiology of uterine fibroids. The types, pathology and degeneration, diagnosis and differential diagnosis of uterine fibroids. The clinical manifestations and treatment principles, surgical treatment and conservative treatment of uterine fibroids.

20. 子宫内膜癌 Endometrial Cancer

子宫内膜癌的流行病学变化，发病的相关因素。子宫内膜癌的病理学表现，疾病的发展变化及转移途径。子宫内膜癌的临床分期及手术-病理分期，临床表现，诊断，鉴别诊断。子宫内膜癌的治疗原则。

The epidemiological change and related paroxysm factors of endometrial cancer. The pathological manifestations, development and metastasis methods of endometrial cancer. The clinical stages, surgical-pathological stage, clinical manifestation, diagnosis and differential diagnosis of endometrial cancer. The treatment principle of endometrial cancer.

21. 卵巢肿瘤 Ovarian Tumor

卵巢肿瘤的发病情况，相关的发病因素。卵巢肿瘤的组织学分类，各类肿瘤的病理及特点。卵巢良恶性肿瘤的临床表现、诊断、鉴别诊断及与其他疾病的鉴别诊断。卵巢肿瘤的并发症及处理。卵巢良性肿瘤的处理原则。卵巢恶性肿瘤的分期及根据期别的处理原则。

The incidence and related pathogenic factors of ovarian tumor. The histological classification, pathology and feature of various ovarian tumor. The clinical manifestation, diagnosis and differential diagnosis of benign and malignant ovarian tumor and differential diagnosis of other diseases. The complications and management of ovarian tumors. The principles of management of benign ovarian tumors. The stage of ovarian malignancies and management principles according to stage.

22. 妊娠滋养细胞疾病 Gestational Trophoblastic Disease

滋养细胞疾病的流行病学，发病原因。葡萄胎的定义、病理、临床表现、诊断、鉴别诊断、临床随访、治疗。侵蚀性葡萄胎的定义、病理、临床特点、诊断并发症及治疗。绒癌的病理变化、转移途径、临床表现、诊断、鉴别诊断、分期、治疗及随访。

Epidemiology and the causes of trophoblastic diseases. The definition, pathology, clinical manifestations, diagnosis, differential diagnosis, clinical follow-up, and treatment of hydatidiform mole. The definition, pathology, clinical features, diagnostic complications and treatment of erosive moles. The pathological changes, metastasis pathways, clinical manifestations, diagnosis, differential diagnosis, staging, treatment and follow-up of choriocarcinoma.

23. 生殖内分泌疾病 Reproductive Endocrine Disorders

异常子宫出血的概念、病因分类、诊断及辅助诊断方法、处理原则。闭经的分类、诊断及治疗原则。

The concept, etiological classification, diagnosis and auxiliary diagnosis methods and treatment principles of abnormal uterine bleeding. Classification, diagnosis and treatment principles of amenorrhea.

24. 子宫内膜异位症 Endometriosis

子宫内膜异位症的概念、病因、临床病理类型、临床表现、诊断与鉴别诊断、临床分期、治疗原则。

The concept, etiology, clinicopathological types, clinical manifestations, diagnosis and differential diagnosis, clinical staging, and treatment principles of endometriosis.

25. 女性生殖器官损伤性疾病 Pelvic Floor Dysfunction and Reproductive Organ Damage Disease

盆底结构的“三腔室”“三水平”理论。盆腔器官脱垂的病因、临床表现及分度、诊断及鉴别诊断、治疗原则。压力性尿失禁的病因、临床表现、诊断及鉴别诊断、治疗原则。

The "three chambers" and "three levels" theory of pelvic floor structure. The etiology, clinical manifestations and classification, diagnosis and differential diagnosis, and treatment principles of pelvic organ prolapse. The etiology, clinical manifestations, diagnosis, differential diagnosis and treatment principles of stress urinary incontinence.

26. 不孕症与辅助生殖技术 Infertility and Assisted Reproductive Techniques

不孕症的定义、病因、辅助检查、诊断及治疗原则，辅助生殖技术的方法及并发症的诊治。

The definition, etiology, assistant examination, diagnosis and therapeutic principle of infertility. The methods and common complications of assisted reproductive techniques.

27. 计划生育 Family Planning

计划生育常用的措施，宫内节育器、人工流产的适应症、禁忌症及并发症的处理。各种计划生育措施的机理及选择。常用避孕方法的避孕机制、适应证与禁忌证，常见计划生育手术的适应证、禁忌证与并发症及其防治。

Measures commonly used for family planning, indications, contraindications and treatment of complications of intrauterine device and induced abortion. The mechanism and selection of various family planning measures.

Contraceptive mechanism, indications and contraindications of commonly used contraceptive methods, indications, contraindications and complications of common family planning surgery and their prevention and treatment.

章节 Section	教学内容 Teaching Contents	总学时 Lecture Hours	教学方法 Teaching Methods	
			讲授 Lecture	实验 Lab

1	女性生殖系统解剖及生理 Anatomy and physiology of female reproductive system	6	3	3
2	妊娠生理 Pregnancy physiology	6	3	3
3	妊娠诊断 Diagnosis of pregnancy	6	3	3
4	产前保健 Prenatal care	3	1.5	1.5
	正常分娩 Normal delivery	3	1.5	1.5
5	妊娠时限异常 Abnormal duration of pregnancy	3	1.5	1.5
	妊娠期高血压疾病 Hypertensive disorder complicating pregnancy	3	1.5	1.5
6	流产、异位妊娠 Abortion, ectopic pregnancy	3	1.5	1.5
	前置胎盘、胎盘早剥 Placenta previa, placental abruption	3	1.5	1.5
7	妊娠合并内科疾病 Pregnancy with internal diseases	6	3	3
8	胎儿生长受限 Fetal growth restriction	3	1.5	1.5
	异常分娩 Abnormal delivery	3	1.5	1.5
9	产后出血 Postpartum hemorrhage	3	1.5	1.5
	羊水栓塞 Amniotic fluid embolism	3	1.5	1.5
10	子宫破裂 Rupture of uterus	3	1.5	1.5
	生殖系统炎症 Inflammation of reproductive system	3	1.5	1.5
11	性传播疾病 Sexually transmitted diseases	3	1.5	1.5
	子宫颈肿瘤 Cervical cancer	3	1.5	1.5
12	子宫肌瘤 Fibroid	3	1.5	1.5
	子宫内膜癌 Endometrial carcinoma	3	1.5	1.5

13	卵巢肿瘤 Ovarian tumor	3	1.5	1.5
13	妊娠滋养细胞疾病 Gestational trophoblastic disease	3	1.5	1.5
14	生殖内分泌疾病 Reproductive endocrine diseases	3	1.5	1.5
	子宫内膜异位症 Endometriosis	3	1.5	1.5
15	盆底功能障碍性及生殖器官损伤性疾病 Pelvic floor dysfunction and reproductive organ injury	6	3	3
16	不孕症 Sterility	3	1.5	1.5
	计划生育 Family Planning	3	1.5	1.5

18. 教材及其它参考资料 Textbook and Supplementary Readings

教材:

《妇产科学》，谢幸、孔北华、段涛主编，人民卫生出版社，第9版

参考资料:

《中华妇产科学》，曹泽毅主编，人民卫生出版社，第9版

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10		
课堂表现 Class Performance				
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		30		
期中考试 Mid-Term Test				
期末考试 Final Exam		60		
期末报告 Final Presentation				
其它（可根据需要 改写以上评估方 式） Others (The above may be				

modified as
necessary)

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20. 记分方式 **GRADING SYSTEM**

- A. 十三级等级制 **Letter Grading**
 B. 二级记分制 (通过/不通过) **Pass/Fail Grading**

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过

This Course has been approved by the following person or committee of authority

本课程已经医学院教学副院长张文勇教授审核通过。

