Title
GYNAECOLOGY AND OBSTETRICS

Code
MD 6133

ECTS Credits
11

Teaching Format
Lectures and practical training

Semester/Year
1 st/ 6º

Assessment/ Exam Type
Oral

Teaching Hours
Lectures: 48
Bed-side teaching (BST): 87,5

FTE
10

Student Rating
Very good

Exam Rating
Good

Preconditions
INTERNAL MEDICINE I

Contents

Introduction to course
Anatomy and Physiology of the female genital system
Sexual differentiation, puberty, adolescence
Physiology of the menstrual cycle
Control of gonadotropin secretion, endocrine function of the ovary
Pathologies of the menstrual cycle
Male sterility
Vaginitis, Pelvic Inflammatory Disease
Sexually Transmitted Diseases
Premenstrual Syndrome, dysmenorrhoea, chronic pelvic pain
Endometriosis
Gynaecological endoscopy
Female sterility
The regulation and control of fertility
Polycystic Ovarian Syndrome, Hyperandrogenism
Techniques of artificial fertilisation
Fertilisation, placental implantation
The placenta
The diagnosis of pregnancy, pregnancy-induced changes
The monitoring of maternal and foetal well-being: ecography, CTG, flow-meter
Antenatal diagnoses
Diseases of the developing foetus
The eutocic birth delivery, the principal pathologies of birth deliveries
The postpartum period and breast-feeding
The pre-term delivery
Drugs and pregnancy
The diagnosis and treatment of foetal malformations
The importance of assistance in pregnancy and the birth process
Hypertension in pregnancy
Gestational diabetes
Maternal-foetal iso-immunisation
Abortion, extrauterine pregnancy and trophoblastic disease
Metrorrhagia: in the 3rd trimester, obstetric shock
Infectious diseases in pregnancy
Benign tumours of the ovary and uterus
Uterine prolapse, urinary incontinence
Notions in uro-gynaecology
HPV and precancerous lesions of the cervix
Prevention in gynaecology
Cancer of the neck and body of the uterus
Cancer of the ovary
Diseases of the vulva
Clinical endocrinology of the female pre-menopause
Hormonal replacement therapy in menopause
Postmenopausal osteoporosis
Modules of 3.5 hours
Module 1
Physiology of reproduction
Sexual differentiation, puberty and adolescence, PCOS and Hirsutism.
Physiology of the menstrual cycle and hormonal regulation.
Pathologies of the menstrual cycle.
Fertilisation and placental implantation.
Module 2
Gynaecological Diseases in the reproductive age
Dysmenorrhoea, Pelvic Pain, Premenstrual Syndrome.
Endometriosis, Conjugal Sterility.
PID/ Vaginitis/ Sexually Transmitted Diseases.
Module 3
Physiology of pregnancy
Maternal changes. The eutocic delivery and principal pathologies of delivery.
The placenta and embryo-foetal development. The pre-term delivery.
Surveillance and assistance for the pregnant woman. The postpartum period and breast-feeding.
Module 4
The at-risk pregnancy
The concept of obstetrical risk. Drugs in pregnancy.
Underdevelopment. The caesarean section.
Prematurity
Hypertension
Diabetes
Other pathologies
Module 5
The major obstetrical syndromes
Syndromes of the 1st trimester. Prenatal diagnosis: role and uses
Metrorrhagia in the 3rd trimester
Infections
RH Isoimmunisation
Module 6
Benign gynaecological diseases
Benign tumours of the uterus and ovary
Uterine prolapse and urinary incontinence. Gynaecological endoscopy.
Module 7
Cancer prevention in gynaecology
Prevention: strategies and tools. Menopause and climaterio.
HPV and precancerous lesions
Vulvar lesions
Module 8
Malignant gynaecological tumours: biology, clinical aspects and therapy
Ovarian tumours
Tumours of the uterus
Tumours of the breast. Fertility control.
NON-COMPULSORY TEACHING ACTIVITIES
(Time 17.00-19.00) – Each activity = 4 hours (0.4 credits)
(to be conducted over 2 days, 2 activities a week: max students per activity: 5)
Gynaecological Endoscopy
Hysteroscopic Therapy
Uro-gynaecology
Conjugal Sterility
Menopause
Ultrasound in obstetrics
Ultrasound in gynaecology
Prenatal Diagnoses (6 h- 0.6 credits)
Pre-cancerous and cancerous diseases of the cervix (6 h- 0.6 credits)
Thrombophylia and pregnancy
The pre-conception consultation (6 h- 0.6 credits)
Endometriosis
Menstrual dysfunction
Intern period of 10 days (from Monday to Friday - max n of students per activity: 5)
Time 9:30-11:00 (each activity= 1.2 credits)
Units
Endocrinological Gynaecology
Oncological Gynaecology
Dysfunctional Gynaecology
Obstetrics and the postpartum period
Obstetrical Pathology
Surgical Gynaecology
Total teaching value: 13 credits
"PROFESSIONAL SKILLS" TEACHING ACTIVITIES (at least 10 Clinical Skills)
Seen – Carried out (to be carried out at least once autonomously)
1. Assistance at the birth
2. Pap test
3. Colposcopy
4. Evaluation of patients in labour
5. Obstetrical ecography
6. Gynaecological ecography
7. Amniocentesis
8. Caesarean section
9. Postpartum assistance
10. Post-operative assistance in gynaecology
11. Clinical cases of at-risk pregnancy
12. Clinical cases of benign gynaecology
13. Clinical cases of gynaecological oncology
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<tr>
<th>Objectives</th>
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<tbody>
<tr>
<td><strong>Material/ Equipment required</strong></td>
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<tr>
<td>Identity badge, White coat and stethoscope</td>
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<tr>
<td><strong>Additional Costs</strong></td>
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<td>None</td>
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