

Clinical Care Practice V

Code: 104074
ECTS Credits: 15

Degree	Type	Year	Semester
2502442 Medicine	OB	6	0

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Prerequisites

It is advisable that students do not have any non-approved subject from previous courses.

It is convenient to have achieved sufficient knowledge in:

Biostatistics
Bioethics and communication
Epidemiology
Pathophysiology and clinical semiology
Surgical pathology
Medical pathology
Clinical pharmacology
Pediatrics
Gynecology-Obstetrics
Mental health
Knowledge of a third language, preferably English.

It is recommended that the student has passed the following subjects: Medical Physiology I and II. Human Anatomy: Splenology. Medical Psychology. Human Anatomy: Neuroanatomy. Structural and Molecular Pathology. General Pharmacology. Pathophysiology and Clinical Semiology. Epidemiology. Bases of Clinical Surgery. Pediatrics. Obstetrics and Gynecology. Psychiatry.

The student will acquire the commitment of preserving the confidentiality and professional secrecy of the data to which he / she may have access because of the learning in the assistance services. Also to maintain an attitude of professional ethics in all his / her actions.

Objectives and Contextualisation

General

- To make a diagnosis through knowing how to make a clinical history and to establish a differential diagnosis, under the supervision of a tutor.
- To make a diagnosis and establish the treatment of a certain pathology, under the supervision of a tutor.
- To establish a good interpersonal communication that enables him/her to address with efficiency and empathy to patients, family members, companions, doctors and other health professionals.
- To know the clinical characteristics and controls and protocols in the control of normal gestation.
- To study the appropriate controls in pathological gestation: monographic consultations of high-risk gestation.

Specifics

Gynecology and Obstetrics

- To understand the sonographic study in normal and pathological gestation: to be able to interpret an ultrasound in the 3 trimesters of gestation.
- To know the normality as well as the most frequent pathologies in Fetal Medicine.
- To know the mechanism of assistance to childbirth: to be able to attend a euthotic delivery in an emergency.
- To study the normal puerperium process and the detection of puerperal pathology as well as recommendations about breastfeeding.
- To study the basic concepts of female and male sterility: to be able to interpret the basic study of sterility.
- To know the process of assisted reproduction: to be able to understand the processes of artificial insemination and in vitro fertilization.
- To know the appropriate controls to perform preventive medicine in gynecology: to be able to perform a vaginal cytological examination, a gynecological examination as well as to know the recommendations on breast cancer screening.
- To know the basic echography in Gynecology: to be able to interpret a gynecological ultrasound.
- To study and know the cervical pathology: to be able to interpret a colposcopy, to know the basic protocols of cervical pathology as well as the most frequent surgical treatments.
- To know the mechanisms of action of the vaccine against the papillomavirus (HPV) as well as the recommendations accepted at national and international level on their indications according to age groups.
- To study the basic control of menopause as well as the recommended controls and basic treatment guidelines: to be able to interpret the controls that are required of the menopausal woman.
- To know the most frequent contraception methods, their indications and contraindications. To be able to recommend the appropriate treatment to a specific patient.
- To study the most frequent benign gynecological pathologies in Gynecology: the diagnostic and therapeutic protocols.
- To know the pathology of the pelvic floor and urinary incontinence: the diagnosis, the indications of the rehabilitation as well as the most frequent surgical techniques including the techniques of placement of meshes.
- To know the most frequent sexually transmitted diseases: epidemiology, diagnosis and treatment and the prevention of each of them.
- To know the most frequent gynecological neoplasms: the diagnostic and therapeutic protocols as well as the follow-up.
- To study the clinical characteristics, the diagnosis by the image and clinical and the surgical treatment guidelines including the study of the sentinel lymph node.
- To know and understand the surgical techniques: hysteroscopy, laparoscopy, pelvic floor surgery, benign gynecological surgery, gynecological and mammary oncological surgery.

Mental Health

- To recognize, diagnose and guide the management of mental disorders.
- To know the semiology and the technique of psychopathological examination that allows to recognize the main psychiatric syndromes.
- To know the bases of the relationship between health and environment.
- To know the practical foundations of psychotherapy.
- To know how to perform a complete psychiatric anamnesis, centered on the patient and oriented to the different psychopathologies, interpreting their meaning.
- To know the practical use of the main groups of psychotropic drugs.

Competences

- Be able to work in an international context.
- Communicate clearly and effectively, orally and in writing, with patients, family-members and accompanying persons, to facilitate decision-making, informed consent and compliance with instructions.
- Communicate clearly, orally and in writing, with other professionals and the media.
- Critically assess and use clinical and biomedical information sources to obtain, organise, interpret and present information on science and health.
- Demonstrate sufficient supervised clinical experience in hospitals or other healthcare centres, and familiarity with patient-centred care management and the correct use of tests, medicines and other resources of the healthcare system.
- Empathise and establish efficient interpersonal communication with patients, family-members, accompanying persons, doctors and other healthcare professionals.
- Engage in professional practice with respect for patients' autonomy, beliefs and culture, and for other healthcare professionals, showing an aptitude for teamwork.
- Listen carefully, obtain and synthesise relevant information on patients' problems, and understand this information.
- Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
- Maintain and use patient records for further study, ensuring the confidentiality of the data.
- Use information and communication technologies in professional practice.

Learning Outcomes

1. Access the healthcare protocols for the different components of the pathology.
2. Analyse patient records systematically.
3. Analyse the limitations to the interpretation of behaviour from non-verbal communication.
4. Apply the basic elements of bioethics (patients' rights, doctors' obligations).
5. Apply the theoretical knowledge of the pathology acquired during the bachelor's degree to clinical practice.
6. Be able to work in an international context.
7. Collaborate on simple clinical and surgical manoeuvres after supervised practice on simulators.
8. Communicate appropriately with patients and their family-members.
9. Communicate clearly, orally and in writing, with other professionals and the media.
10. Consult patient records appropriately and keep them in order.
11. Correctly describe the criteria for hospitalisation.
12. Describe the communication process and its effect on the professional caregiverpatient relationship.
13. Draft medical instructions, reports on consultations and treatment, official reports and certificates.
14. Identify basic emotions in primary healthcare patients through the interaction between the different non-verbal components.
15. Identify the basic elements of the face-to-face doctorpatient interview in a context of high accessibility and longitudinal care.
16. Identify the basic rules of pharmacotherapy in adults and children.
17. Identify the presentation forms of the different pathological processes.

18. Indicate and use the specific diagnostic and therapeutic procedures for the pediatric age group (phototherapy, nebulisers and aerosol-holding chambers, genetic and metabolic studies).
19. Involve patients in decisions on the health-illness process.
20. Know the basic elements of the communication of clinical research results.
21. Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
22. Observe the therapeutic approach, the clinical course and its prevention in cases where this is possible.
23. Participate in discussions to solve the clinical problems being faced.
24. Perform an anamnesis and a complete physical examination by systems on adults and children.
25. Prepare a complete patient record systematically.
26. Take an active part in care tasks: preparing patient records, requesting complementary studies (laboratory, imaging techniques) when needed and helping to focus the patient record.
27. Use information and communication technologies in professional practice.

Content

1) Pediatrics:

- A. Rotation by the different assistance devices of the Pediatric Services of the Teaching Units
- B. Laboratory practices or skills / Classroom Practices

2) Gynecology / Obstetrics:

- A. Rotation by the different assistance devices of the Gynecology and Obstetrics Services of the Teaching Units
- B. Hospital guards

3) Psychiatry:

- A. Rotations by the different assistance devices of the Psychiatric Services of the Teaching Units.
- B. Attendance and participation in the Meetings of the Emergency Teams / Participation in the Clinical Sessions of the Psychiatry Service / Assistance to the Psychiatric Guard: at the discretion of the Teaching Unit.
- C. Laboratory or Skills Practices / Classroom Practices

Methodology

Typology	Paediatrics (Hours)	Gynaecology & Obstetrics (Hours)	Mental Health (Hours)
CLINICAL CARE PRACTICES	75	75	105
LABORATORY PRACTICES	2.75	2.75	1
CLASSROOM PRACTICES	1	1	1

SELF-STUDY	20	13.125	30
PREPARATION OF WRITTEN WORKS	8.125	15	7.5

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
CLASSROOM PRACTICES (PAUL)	3	0.12	5, 4, 20, 12, 24, 15, 17, 16, 18, 21, 23, 13, 25, 19
CLINICAL CARE PRACTICES (PCA)	245	9.8	1, 2, 3, 5, 4, 7, 8, 9, 10, 20, 11, 12, 14, 24, 15, 17, 16, 18, 21, 22, 26, 23, 13, 25, 19, 6, 27
LABORATORY PRACTICES (PLAB)	14.5	0.58	5, 4, 7, 8, 9, 24, 18, 21, 26, 25, 19
Type: Autonomous			
WORK PREPARATION / PERSONAL STUDY / READING OF ARTICLES / REPORTS OF INTEREST	93.75	3.75	1, 2, 5, 10, 15, 17, 16, 18, 21, 22, 13, 6, 27

Assessment

Assessment activity	Paediatrics (Weight)	Gynaecology & Obstetrics (Weight)	Mental Health (Weight)	ACOES (Weight)
On the job evaluations	60%	50%	75%	---
Evaluation through case studies and problem solving	40%	30%	---	---
On the job evaluations (emergency guards)	---	20%	---	---
Attendance and active participation in class and seminars	---	---	25%	---
Simulations	---	---	---	70%

Multiple choice questions	---	---	---	30%
Total	100%	100%	100%	100%
Attendance and active participation in classroom & laboratory practices	compulsory attendance			---
FINAL NOTE	18.5%	18.5%	23%	40%

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Practical type evaluation	60% of final note	15	0.6	1, 2, 3, 5, 4, 7, 8, 9, 10, 20, 11, 12, 14, 24, 15, 17, 16, 18, 21, 22, 26, 23, 13, 25, 19, 6, 27
Practical type evaluation: structured objective clinical evaluation (ACOE's)	40% of the final note	3.75	0.15	1, 2, 3, 5, 4, 7, 8, 10, 20, 11, 12, 14, 24, 15, 17, 23, 13, 25, 19, 27

Bibliography

Paediatrics:

- Rudolph's Pediatrics 21 edition. Editorial Mc Graw Hill. 2003
- Nelson. Tratado de Pediatría. 18ª edición. Editorial Elsevier Saunders. 2009
- Cruz. Tratado de Pediatría. 9ª edición. Editorial Ergon. 2006
- Lissauer. Texto ilustrado de Pediatría. 3ª edición. Editorial Elsevier Mosby. 2009

Internet

- <http://www.aeped.es/protocolos/index.htm> (tratamiento de enfermedades pediátricas)
- <http://www.ncbi.nlm.nih.gov/omim/> (base de datos de enfermedades genéticas)
- <http://www.nlm.nih.gov/medlineplus/spanish/encyclopedia.html> (enciclopedia médica de salud)

Gynaecology /Obstetrics:

<http://www.cdc.gov/>
<http://www.observatoriodelaincontinencia.es>
<http://nuevo.sefertilidad.com>
<http://www.aepcc.org/>
<http://www.figo.org/>
<http://www.endometriosis.com.es/>
<http://nccam.nih.gov/>

- 1- <http://www.canadiantaskforce.ca/>
- 2- <http://caonline.amcancersoc.org>
- 3- <http://www.iarc.fr/>
- 4- <http://www.cancer.gov>

- 5- <http://www.ovarian.org>
- 6- <http://www.cancer.org>
- 7- <http://www.gog.org/>
- 8- <http://www.sego.es>
- 9- <http://www.aepcc.org/>
- 10- <http://www.eortc.be>
- 11- <http://www.aatrm.net/>
- 12- <http://www.nice.org.uk/>
- 13- <http://www.cdc.gov/mmwr/>
- 14- www.cdc.gov/spanish/especialescdc/cancercervical/
- 15- www.gineconet.com/
- 16- <http://www.abcf.org/>
- 17- <http://www.breastcancer.org/>
- 18- <http://www.sgo.org/>
- 19- <http://www.cancer.net/portal/site/patient/>
- 20- http://www.acog.org/departments/dept_notice.cfm?recno=20&bulletin=4225
- 21- <http://www.mdanderson.org/>

1- <http://www.guideline.gov/>

2-

<http://www.cancer.gov/cancertopics/pdq/treatment/ovarianepithelial/HealthProfessional/page6#Reference6.28>

3- http://www.nccn.org/professionals/physician_gls/f_guidelines.asp#site

Mental Health

- Vallejo Ruiloba J. Introducción a la Psicopatología y la Psiquiatría (7ª edición) Masson. Barcelona. 2011.
- Kaplan - Sadock. Sinopsis de psiquiatría. Ciencias de la conducta. Psiquiatría clínica. (10ª edición) Editorial Médica Panamericana. 2009.
- Hales JA, Yudofsky SC, J.A. Talbott JA. DSM-IV. Tratado de psiquiatría. (5ª edición). Masson, Barcelona. 2009.
- Gelder, López Ibor, Andreasen. Tratado de Psiquiatría. (3 vols). Ars Médica. Barcelona. 2003.
- Obols, JE (Ed.). Manual de Psicopatología General (1ª ed). Biblioteca Nueva, 2008.
- Stern, Theodore A; Rosenbaum, Jerrold F; Fava, Maurizio; Biederman, Joseph; Rauch, Scott. Comprehensive Clinical Psychiatry. Massachusetts General Hospital 2008.
- Vallejo Ruiloba, J. Tratado de Psiquiatría (2ª edición). Ars Médica. Barcelona 2010.
- Black y Andreasen (5ª edición). Introducción a la Psiquiatría. Editorial Médica Panamericana. 2012.