

1. OVERVIEW

Subject Area	Optional Clinical Placement IV/ Surgical Skills
Degree	Bachelor's Degree in Medicine
School/Faculty	Biomedical and Health Sciences
Ac. Year	6
ECTS	3
Type	Optional
Language(s)	Spanish
Delivery Mode	On campus
Semester	Six-monthly

2. INTRODUCTION

Optional Clinical Placement IV/ Surgical Skills belongs to the Optional module which is taught each semester and involves 3 weeks of work placements (Surgical departments in Maxillofacial Surgery and Anaesthetics and Reanimation at the University Hospital QuironSalud Madrid and Hospital Ruber Juan Bravo), together with assessed workshops per group of students. It takes place in the 6th year.

The overall objectives of the subject area are:

- Reinforce and develop the knowledge acquired in previous years on the degree programme, as well as gain new knowledge on the clinical management of surgical patients.
- Learn about the protocols used in the surgical areas (operating theatre and scrubbing area) regarding asepsis and antisepsis and maintaining sterility during a surgical intervention, as well as the correct handling of surgical instruments.
- Study how both the anaesthetist and the surgeon manage a surgical patient and the post-operative care required, including familiarisation with the most important principles of intensive care.

3. SKILLS AND LEARNING OUTCOMES

Basic Skills (CB, by the acronym in Spanish):

CB3: Students have the ability to gather and interpret relevant information (usually within their study area) to form opinions which include reflecting on relevant social, scientific or ethical matters.

CB4: Students can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences.

General skills (CG, by the acronym in Spanish):

CG10: Understand and recognise the causal agents and risk factors which determine health conditions and the development of a disease.

CG12: Understand the principles of action, indications and effectiveness of therapeutic interventions, based on the available scientific evidence.

CG13: Obtain and elaborate a clinical history report with all relevant information.

CG15: Have the ability to carry out an initial diagnosis and establish a well-founded approach to making a diagnosis.

CG16: Understand and treat situations which are an immediate threat to life and any others which require immediate attention.

CG17: Establish the diagnosis, prognosis and treatment, applying the principles based on the most reliable information and clinical safety conditions.

CG18: Indicate the most suitable therapy for the most common acute and chronic processes, including patients in the terminal phase.

CG19: Raise and propose the suitable preventative measures required for each clinical situation.

CG20: Acquire sufficient clinical experience under supervision in hospital institutions, health centres or other healthcare institutions. This also involves basic knowledge of a patient-centred clinical approach and suitable use of tests, medicinal products and other healthcare system resources.

CG21: Listen attentively, obtain and synthesise information regarding the problems troubling the patient and understand this information.

CG22: Write clinical histories and other medical records in a way so they can be understood by other people.

CG23: Communicate effectively and clearly, both orally and in writing, with patients, family members, media and other professionals.

CG24: Establish good interpersonal communication which allows you to efficiently and empathetically connect with patients, family members, media and other professionals.

Cross-curricular skills (CT, by the acronym in Spanish):

- CT2: Independent learning
- CT4: Communication
- CT6: Adapting to change

Specific skills (CE, by the acronym in Spanish):

- CE35: Know how to do a full anamnesis focused on the patient and with a view to diverse pathologies, interpreting its meaning.
 - CE36: Know how to perform a physical examination of the systems and apparatus, as well as a psychopathological assessment, being able to interpret the results.
 - CE67: Complete a student work placement, involving independent clinical rotation and a final skills assessment in hospitals which allows students to incorporate professional values, healthcare communication skills, clinical reasoning, clinical management and critical judgement. This also requires students to familiarise themselves with the most common health problems in Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry and other clinical areas.

Learning outcomes (RA, by the acronym in Spanish):

- RA1: 2.2. Know how to do a full anamnesis focussed on the patient and with a view to diverse clinical syndromes, interpreting its meaning.
- RA2: 2.3. Know how to perform a physical examination of the systems and apparatus, as well as a psychopathological assessment, being able to interpret the results.
- RA3: 2.4. Have the ability to carry out an initial diagnosis, evaluate the need for complementary tests and establish a well-founded approach to making a diagnosis.

The following table shows how the skills developed in the subject area match up with the intended learning outcomes:

Skills	Learning outcomes
CT2, CT4, CT6, CG10, CG13, CG20, CG21, CG22, CG23, CG24, CE35, CE67	Know how to do a full anamnesis focussed on the patient and with a view to diverse clinical syndromes, interpreting its meaning.
CB4, CT2, CT4, CT6, CG10, CG13, CG20, CG22, CE36, CE67	Know how to perform a physical examination of the systems and apparatus, as well as a psychopathological assessment, being able to interpret the results.
CB2, CB4, CT2, CT4, CT6, CG10, CG12, CG15, CG16, CG17, CG18, CG19, CG20, CG23, CG24, CE67	Have the ability to carry out an initial diagnosis, evaluate the need for complementary tests and establish a well-founded approach to making a diagnosis.

4. CONTENTS

This subject is divided into theoretical and practical on-campus learning activities and tutored clinical placements.

PRACTICAL SEMINARS:

- I: Workshop on the current standards in Anaesthesiology
- II: Maxillofacial exploration / Traumatology and cervicofacial surgical pathology
- III: Complex sutures.
- IV. Surgical skills, asepsis and anti-sepsis

TUTORED CLINICAL PLACEMENTS

5. TEACHING/LEARNING METHODS

The types of teaching/learning methods are as follows:

- Collaborative learning. Case study method: presentation and discussion of clinical cases in small groups.
- Problem-based learning. Presentation of problems, reorganising into small groups, literature analysis, analysis of scientific texts and documents, symposiums and presentations, directed debates.
- Project-based learning, approach and resolution of cases and problems individually or in groups, specialised individual group tutorials, reaching a consensus.

6. LEARNING ACTIVITIES

The types of learning activities, plus the amount of time spent on each activity, are as follows:

On campus:

Learning activity	Number of hours
On-campus theory/practical activities and tutored clinical placements	75
TOTAL	75

7. ASSESSMENT

The assessment methods, plus their weighting in the final grade for the subject area, are as follows:

On campus:

Assessment system	Weighting
Assessment of skills regarding clinical placements and anaesthetic and reanimation workshops	45%
Assessment of skills regarding clinical placements and maxillofacial surgery workshops	45%
Assessment of attitude in both services	10%

On the Virtual Campus, when you open the subject area, you can see all the details of your assessment activities and the deadlines and assessment procedures for each activity.

8. BIBLIOGRAPHY

The reference work for the follow-up of the subject is:

- Procedimientos en Anestesia del Massachusetts General Hospital. Ed. Panamericana. Madrid. 2013
- Manual del Residente. <http://www.secom.org/manual-del-residente/>
- Enlace de manual de nudos de la casa ethicon: <https://booksmedicos.org/manual-ethicon-de-tecnicas-de-anudado/>