

**ENGLISH FINAL PROJECT - UT4**

You will work in groups to **design and present a professional radiology or radiotherapy unit of a hospital**.

Your group will act as a **healthcare team** and will prepare:

1. a **written professional dossier**, and
2. an **oral presentation**

All the work must be done **in English**, using **professional and clear language**.

The final objective is to **present your unit to international students or patients**.

Each group works on a **different unit**, so there is **no repetition**.

**Group 1 – General Radiodiagnosis Unit**

Focus on:

- X-ray machine
- CT scanner
- Ultrasound machine

**Group 2 – Advanced Imaging Unit**

Focus on:

- MRI scanner
- CT (advanced imaging)
- Mammography unit

**Group 3 – External Beam Radiotherapy Unit**

Focus on:

- Linear accelerator (LINAC)
- CT simulator
- Immobilization devices

**Group 4 – Treatment Planning & Physics Unit**

Focus on:

- Treatment Planning System (TPS)
- Role of the medical physicist
- Dose calculation and verification
- Safety and quality control

**Group 5 – Patient Care & Radiation Safety Unit**

Focus on:

- Radiation protection protocols
- Protective equipment
- Controlled areas and warning signs
- Patient communication

# Escuela Hospital Mompía

## PART 1 – WRITTEN DOSSIER

### Format

- Language: **English**
- Length: **6–8 pages**
- File: **PDF**
- Clear sections and headings

### Required structure (ALL GROUPS)

Your dossier **must include all the following sections:**

#### 1. Introduction to the Unit

- Name of the unit
- Main function of the unit
- Type of patients

#### 2. Equipment Used

- At least 4 pieces of equipment
- For each one:
  - Name
  - Function
  - Basic description

Example:

*The CT scanner is used to obtain cross-sectional images of the body.*

#### 3. Clinical Protocols

Describe **one typical procedure:**

- Step by step
- Clear and ordered

Examples:

- Diagnostic test
- Radiotherapy treatment session

#### 4. Safety and Radiation Protection

Include:

- Safety rules
- Protective equipment
- ALARA principle

#### 5. Professional Roles

Describe **at least 3 professionals:**

- Role
- Responsibilities

#### 6. Conclusion

- Importance of your unit
- Teamwork and safety

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## PART 2 – ORAL PRESENTATION

### Duration

- 8–10 minutes per group

### Requirements

- All members must speak
- Use visual support (PowerPoint / Canva / poster)
- Professional and clear English

### Situation

You are presenting your unit to:

*International students or patients visiting the hospital.*

## ROLES INSIDE EACH GROUP

Each student must have **one role**:

- Equipment specialist
- Safety officer
- Protocol coordinator
- Communication officer

(One role can be shared if the group is large.)

## ASSESSMENT CRITERIA

Aspect	Percentage
Written dossier	50 %
Oral presentation	30 %
Use of professional English	10 %
Teamwork & attitude	10 %

## IMPORTANT RULES

- Work must be **original**
- Copying between groups will be penalized
- Clear, simple and professional English is required
- Late submission will be not allowed