

# EUROPASS DIPLOMA SUPPLEMENT

## TITLE OF THE DIPLOMA (ES)

*Técnico Superior en Higiene Bucodental*

## TRANSLATED TITLE OF THE DIPLOMA (EN)<sup>(1)</sup>

*Higher Technician in Dental and Oral Hygiene*

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(1) This translation has no legal status.

## DIPLOMA DESCRIPTION

**The holder of this diploma will have acquired the General Competence with regard to:**

Promoting dental and oral health of people and the community, by means of the development of preventive and technical care activities that include examination, assessment, promotion and execution of dentistry techniques, in cooperation with the odontologist or stomatologist. As a member of the dental and oral health team, he/she will carry out his/her professional activity with quality, safety and resource optimization criteria.

**Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below:**

### “Reception and Logistics in a Dental Clinic”.

The holder:

- Organizes the activities of the clinic and the unit of dental and oral health, analysing workload.
- Applies processes for patients' reception, relating their demands to the service to be provided.
- Manages patients' files by handling computer applications.
- Manages clinical documentation, identifying documents according to the needs and the type of clinical service involved.
- Carries out the preparation and start-up of equipment, identifying their terms and conditions of use.
- Organizes acquisition and storage of material and tools, applying management techniques.
- Applies rules on labour risk prevention and environmental protection, identifying associated risks, and measures and equipment to prevent them.

### “Study of the Oral Cavity”.

The holder:

- Defines the chronological sequence of tooth formation and eruption, relating it to embryologic development phases.
- Recognizes the anatomical structures of the head and the neck, describing their morphological characteristics.
- Values the operation of the stomatognathic system, relating it to its physiology.
- Determines the characteristics of caries lesions, relating them to etiopathogenic and clinical factors.
- Recognizes periodontal disease, relating it to etiopathogenic and clinical factors.
- Identifies alterations that are typical of the dental and oral cavity, relating them to their pathological characteristics.
- Identifies alterations that are typical of the dental and oral cavity, relating them to systemic pathology.
- Identifies risk factors in special patients, relating them to the assistance provided.

### “Examination of the Oral Cavity”.

The holder:

- Checks the operation of the dental equipment, describing the characteristics of the components.
- Prepares the instruments and material of the dental and dental surgery, selecting techniques of disinfection and sterilisation.
- Carries out anamnesis and examination of the dental and oral cavity, identifying its characteristics.
- Applies techniques to obtain images of dental radiodiagnosis, selecting radiological parameters.
- Applies measures of radioprotection and quality of dental radiodiagnosis, interpreting specific regulations.
- Applies rules on labour risk prevention and environmental protection, identifying associated risks, and measures and equipment to prevent them.
- Identifies attitudes and emotional states in patients, applying basic principles of general psychology.

### “Dental and Oral Intervention”.

The holder:

- Carries out pit and fissure sealants, relating them to the characteristics of tooth surfaces.
- Applies topical fluorides, describing types and techniques of application.
- Removes dental calculuses, selecting the appropriate technique.
- Removes extrinsic tooth stains, selecting the appropriate technique.
- Performs the polishing of dental fillings, selecting the corresponding techniques.
- Removes the bacterial plaque from the dental and oral cavity, selecting control and removal methods.

- Applies techniques to control dentine hypersensitivity, relating them to the etiology of the lesions on the tooth surface.

### **“Epidemiology in Oral Health”.**

The holder:

- Plans monitoring programs and epidemiological studies for specific population groups, defining objectives and actions.
- Determines the levels of dental and oral health in a community, analysing their indicators.
- Obtains epidemiological data of groups by means of surveys, describing the techniques to carry them out.
- Identifies the levels of dental and oral health in a community, interpreting results obtained from epidemiological studies.
- Reports epidemiological data in health intervention programs, describing the characteristics of groups at risk.

### **“Education for Oral Health”.**

The holder:

- Obtains information regarding oral health in order to characterize groups and people, selecting specific techniques.
- Organizes actions for education and promotion of health, planning activities for different situations and people.
- Prepares information on oral health, selecting contents according to the target group.
- Informs people and groups about dental and oral health, analysing techniques adapted to their characteristics and motivation.
- Implements activities for education and promotion of dental and oral health, selecting them according to the characteristics of the groups.
- Applies techniques to assess education programs for health, relating the objectives to the results obtained.

### **“Conservative Treatments, Periodontics, Surgery and Implants”.**

The holder:

- Applies help techniques to perform restorations, relating them to caries extension.
- Applies help techniques to the treatment of canals, relating them to pulpal affectation.
- Applies help techniques to remove intrinsic teeth stains, relating them to the process of teeth whitening.
- Applies help techniques to periodontics, interpreting intervention procedures.
- Applies help techniques to tooth extractions and dental and oral surgery, selecting instruments and material.
- Applies help techniques to implant placements, selecting instruments.

### **“Prosthesis and Orthodontics”.**

The holder:

- Completes clinical records, identifying different diagnosis entries in prosthesis and orthodontics.
- Prepares equipment and material to take impressions, and checks the results obtained, relating the techniques to the types of prosthesis.
- Plans the production of occlusal models and registrations, relating working techniques to the type of model and registration required.
- Checks the adaptation and determines the maintenance of prosthesis, relating the final result to the user's needs.
- Defines the procedure to help treatment, relating the user's physiopathological features to the characteristics of the dental braces to be implanted.
- Adapts dental braces and defines their protocols of preservation, interpreting adjustment and maintenance techniques.

### **“First Aid”.**

The holder:

- Carries out the initial assessment of assistance in emergency situations by describing risks, available resources and type of aid requested.
- Applies techniques of basic life support, describing and relating them to the objective to be achieved.
- Applies victims' immobilization and mobilization methods by selecting material resources and techniques.
- Applies psychological support and self-control techniques to the injured person and those with him/her, describing and applying the appropriate communication strategies.

### **“General Pathophysiology”.**

The holder:

- Recognises the general structure and organization of the human body, describing its structural units and the relations according to their specialisation.
- Identifies the developmental process of the disease, relating it to functional changes of the organism and the alterations that causes.
- Recognises immune system disorders, relating them to general characteristics of immunity.
- Identifies the characteristics of infectious diseases, relating them to infectious agents and clinical manifestations.
- Identifies the process of tumour development, describing the characteristics of benign and malignant neoplasms.
- Recognises manifestations of diseases, describing physiological alterations of the pathologies in the big systems of the organism.

- Recognises hemodynamic and vascular disorders, relating their alterations to human diseases of big morbidity and high mortality.
- Recognises eating and metabolic disorders, relating them to manifestations of common pathologies.

#### **“Project on Dental and Oral Hygiene”.**

The holder:

- Identifies the needs of the production sector, relating them to the standard projects that may satisfy them.
- Designs projects related to the competences described in the diploma, including and developing their constituting stages.
- Plans the project implementation, determining the intervention plan and associated documentation.
- Defines the procedures for the monitoring and control of the project implementation, justifying the selection of variables and instruments used.

#### **“Professional Training and Guidance”.**

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company’s goals.
- Exercises rights and complies with the duties derived from labour relationships, recognising them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different covered eventualities, identifying the different types of assistance.
- Assesses risks derived from his/her activity, analysing job conditions and risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan in a small enterprise, identifying the responsibilities of all agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Higher Technician in Dental and Oral Hygiene.

#### **“Business and Entrepreneurial Initiative”.**

The holder:

- Recognises skills related to entrepreneurial initiative, analysing the requirements derived from job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the performance setting and incorporating ethic values.
- Carries out the activities for the setting-up and implementation of a company, choosing the legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

#### **“On the Job Training”.**

The holder:

- Identifies the structure and organisation of the enterprise, relating them to the type of service that provides.
- Applies ethical and labour habits in the development of his/her professional activity, according to the characteristics of the job position and the procedures established by the enterprise.
- Carries out administrative and reception activities, participating in management.
- Prepares and sets up the surgery, taking into account scheduled care interventions.
- Carries out examinations of the oral cavity according to protocols, identifying health condition or disease.
- Carries out care activities in dental intervention, applying established protocols.
- Carries out activities of health education and promotion of dental and oral health, relating them to application areas.

## RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA

The Higher Technician in Dental and Oral Hygiene works in the public and private health sector, in the area of health care and promotion, being part of structured teams of dental and oral health, primary care teams, in health promotion units, and in private dental surgeries. S/He can be integrated in a team for prevention and health care, coordinated by a doctor. S/He develops roles of organization and management in the working dental unit or surgery, provides care and preventive services to the community, and controls their quality by means of activities of epidemiological surveillance and health education. Her/His professional activity is regulated by the competent Administration.

The most relevant occupations or jobs are the following:

- Higher Technician in Dental and Oral Hygiene.
- Dental hygienist and expert technician.
- Dental hygienist.
- Dental and Oral health educator.

## AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA

**Name of the body awarding the diploma on behalf of the King of Spain:** Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain.

**Official duration of the education/ training leading to the diploma:** 2000 hours.

### Level of the diploma (national or international)

- NATIONAL: Non-University Higher Education
- INTERNATIONAL:
  - Level 5 of the International Standard Classification of Education (ISCED5).
  - Level 5 of the European Qualifications Framework (EQF 5).

**Entry requirements:** Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding access test.

**Access to next level of education/training:** This diploma provides access to university studies.

**Legal basis.** Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 769/2014, of 12 September, according to which the diploma of Higher Technician in Dental and Oral Hygiene and its corresponding minimum teaching requirements are established.

**Explanatory note:** This document is designed to provide additional information about the specified diploma and does not have any legal status in itself.

**COURSE STRUCTURE OF THE OFFICIALLY RECOGNISED DIPLOMA**

<b>PROFESSIONAL MODULES IN THE DIPLOMA ROYAL DECREE</b>	<b>CREDITS ECTS</b>
<b>Reception and Logistics in a Dental Clinic.</b>	7
<b>Study of the Oral Cavity.</b>	12
<b>Examination of the Oral Cavity.</b>	9
<b>Dental and Oral Intervention.</b>	12
<b>Epidemiology in Oral Health.</b>	6
<b>Education for Oral Health.</b>	7
<b>Conservative Treatments, Periodontics, Surgery and Implants.</b>	8
<b>Prosthesis and Orthodontics.</b>	8
<b>First Aid.</b>	3
<b>General Pathophysiology.</b>	12
<b>Project on Dental and Oral Hygiene.</b>	5
<b>Vocational Training and Guidance.</b>	5
<b>Business and Entrepreneurial Initiative.</b>	4
<b>On the Job Training.</b>	22
	TOTAL CREDITS
	<b>120</b>
<b>OFFICIAL DURATION (HOURS)</b>	<b>2000</b>

\* The minimum teaching requirements shown in the table above comprise 55% official credit points valid throughout Spain. The remaining 45% corresponds to each Autonomous Community and can be described in the **Annex I** of this supplement.

## INFORMATION ON THE EDUCATION SYSTEM

