

GENERAL TRAINING AND OCCUPATIONAL STANDARDS FOR DENTAL TECHNOLOGY

UNIT

DOSAM_6 Crown and bridgework (metallic and non metallic)

Summary of this unit

This unit focuses on the skills needed to independently plan, design, manufacture and assess crown and bridgework. ~~as well as endodontic pin caps and root pins.~~

The **trainee** shall make a distinction between the various preparation modes and shall examine the working documents related to crowns and bridges. On the basis of material data, **the trainee shall assess** the biocompatibility of the materials considered for use. Hence, **the trainee** shall be able to select those work materials for crowns and bridges that will best meet after processing, the requirements associated with a functional, aesthetic and ~~top quality~~ fixed dental prosthesis.

The trainee shall be familiar with natural tooth morphology as well as with the occlusal and **opposing** relationships and ~~shall~~ be able to recognise the specific occlusal features of the patient.

The trainee shall be aware of the construction requirements associated with the shaping of crowns and bridgeworks, ~~endodontic pin caps and root pins~~ (occlusal records, marginal shaping, shaping of approximal surfaces, shaping of pontics, static, **periodontal** and hygienic requirements, offsetting possibilities in the event of a diverging abutment). **The trainee** shall also be familiar with the various **fixing systems (e.g. adhesive, cementing)** and their characteristics as well as with the consequences of inappropriate or misapplied stress.

The **trainee** shall possess the necessary skills to plan, design, manufacture and assess functional and custom-made individual crowns as well as bridgeworks that shall require the use of appropriate production technologies and relevant dental work materials.

The **trainee** shall be well aware of their responsibility **to the patient providing a fault free device should a faulty device impair the masticatory function and should a misfortunate aesthetic shaping seriously reduce the quality of life of the patient.**

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Certification/ certificate¹

- Draft an allocation of tasks
 - o Project work
 - o Presentation of the results
- Develop and adopt assessment criteria

European logbook to record the training.

¹ To be defined