

GENERAL TRAINING AND OCCUPATIONAL STANDARDS FOR DENTAL TECHNOLOGY

UNIT

DOSAM_7 Tooth coloured coatings/ceramic and composite veneers

Summary of the unit

This unit focuses on the skills needed to independently select and process tooth coloured veneer materials.

The **trainee** shall have a comprehensive knowledge of tooth coloured dental materials **ceramic, polymeric, and composite** ~~and~~ of multi-material systems (~~especially~~ and ~~shall~~ know the criteria for their selection and assessment, whereby due attention **will** be paid to the interaction with light, the colour effects and the relevance of the coefficient of thermal expansion of the different materials. **The trainee** shall be familiar with the various ceramic systems, with the systems bonding the veneer materials to the substructure as well as with the specific requirements of the surfaces and surface textures of the substructure. Equally, **the trainee** shall master the various layering techniques and possibilities of creating individual characterisation and surface texture when applying tooth coloured materials, **and** shall also master the manipulation of ceramic furnaces and know the firing data.

The **trainee** shall possess the necessary skills to, ~~after due consideration and substantiation of the various approaches,~~ independently manufacture a functional, aesthetic **and top quality** dental prosthesis from tooth coloured materials, **and** shall successfully apply the correct processing procedures for the various tooth coloured materials (**e.g. ceramics and composites**) involved in the manufacturing of dental prostheses. **The trainee** shall be familiar with the bonding ~~systems arising from when~~ applying tooth coloured materials to a substructure, ~~shall~~ be able to assess the texture of the substructure's bonding surface, to apply ~~tooth coloured~~ **these** materials in accordance with the ~~material~~ manufacturer's instructions and to check the appliance for faults.

The trainee shall keep in mind how much the outcome of his work can influence ~~be on~~ the self-confidence of patients and shall therefore pay special attention to the aesthetic requirements associated with the dental prosthesis.

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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