

Annex 1: Learning outcomes for Dental Hygiene

**Annex 1**

Learning outcomes for subject from 'Developing the Dental Team'	Module(s) in which each learning outcome is covered	Where and how learning outcome is assessed
Learning outcome	. Module: 300 hrs: can be adapted according to education programme established in each country	
<b>BIOMEDICAL SCIENCES AND ORAL BIOLOGY</b>		
Have knowledge of anatomy, physiology and biochemistry relevant to dental hygiene and therapy		
Have knowledge and understanding of those aspects of the biomedical sciences and of oral physiology and craniofacial, oral and dental anatomy that are significant in the management of their patients		
<b>BEHAVIOURAL SCIENCES, COMMUNICATION SKILLS AND HEALTH INFORMATICS</b>		
Be competent at using information technology		

Annex 1: Learning outcomes for Dental Hygiene

<p>Be competent at communication with patients, their families and careers, other members of the dental team and other healthcare professionals</p>		
<p>Have knowledge of managing patients from different social and ethnic backgrounds</p>		
<p>Have knowledge of working as part of the dental team</p>		
<p>Be familiar with the social and psychological issues relevant to the care of patients</p>		
<p><b>HUMAN DISEASE</b></p>		
<p>Be competent of the scientific principles of sterilization, disinfection and antisepsis</p>		
<p>Have knowledge of the pharmacological properties of those drugs used in general dental practice, including their unwanted effects</p>		

Annex 1: Learning outcomes for Dental Hygiene

Be familiar with the place of dental hygiene and dental therapy in the provision of healthcare		
Be familiar with manifestations of common human diseases and disorders relevant to the practice of dental hygiene and therapy, including their investigation and management		
Be familiar with the main medical disorders that may impinge on dental treatment		
Be familiar with the work of other healthcare workers		
Have knowledge with pathological features and dental relevance of common disorders of major organ systems		
Be familiar with the role of therapeutics in the management of patients requiring dental treatment		
<b>MEDICAL EMERGENCIES</b>		

Annex 1: Learning outcomes for Dental Hygiene

<p>Be familiar at carrying out resuscitation techniques</p>		
<p>Have knowledge of how to identify medical emergencies and provide immediate management of anaphylactic reaction, hypoglycemia, upper respiratory obstruction, cardiac arrest, fits, vasovagal attack, inhalation or ingestion of foreign bodies, and hemorrhage</p>		
<p>Be familiar with the principles of first aid</p>		
<p><b>LAW, ETHICS AND PROFESSIONALISM</b></p>		
<p>Have knowledge at maintaining full, accurate clinical records</p>		
<p>Have knowledge of responsibilities of consent, duty of care and confidentiality</p>		
<p>Have knowledge of their responsibilities in relation to the referral of patients</p>		

Annex 1: Learning outcomes for Dental Hygiene

Have knowledge of patients' rights and how to handle complaints		
Have knowledge of the competency range of other members of the dental team		
Be familiar with the legal and ethical obligations of members of the dental team		
Be familiar with the need for lifelong learning and professional development		
Be familiar with the law as it applies to records		
<b>HEALTH AND SAFETY AND INFECTION CONTROL</b>		
Be competent at implementing and performing infection control and preventing physical, chemical and microbiological contamination in the clinic		

Annex 1: Learning outcomes for Dental Hygiene

<p>Be competent at arranging and using the working clinical environment in the most safe and efficient manner</p>		
<p>Have knowledge of health and safety legislation as it affects dental practice</p>		
<p><b>DENTAL BIOMATERIALS SCIENCE</b></p>		
<p>Be competent at the correct selection and manipulation of dental biomaterials used by the dental hygienist</p>		
<p>Have knowledge of the science that underpins the dental biomaterials</p>		
<p>Have knowledge of the limitations of such dental biomaterials</p>		
<p>Be familiar with those aspects of biomaterials safety that relate to the work of the dental hygienist</p>		

Annex 1: Learning outcomes for Dental Hygiene

ORAL DISEASE		
Have knowledge of the oral hygiene and preventive advice appropriate for cases of trauma and craniofacial abnormalities		
Be familiar with common oral surgical procedures		
Be familiar with their role in pre- and post-surgical condition		
Have knowledge of abnormalities in the oral tissues		
Have knowledge of the effects of smoking on the oral tissues		
Be competent at the use of indices to screen and monitor disease		

Annex 1: Learning outcomes for Dental Hygiene

Be competent in instructing the patient in methods of plaque control for both natural teeth and for bridges, dentures and implants including dietary advice, use of fluoride and plaque control		
Be competent in supporting the dentist in the post-periodontal surgical care of the patient and assisting in the maintenance of periodontal health in the long term		
Have knowledge of the etiology, pathology, progression and manifestations of periodontal diseases		
Be competent at recognizing the clinical appearance of the carious lesion		
Have knowledge of the etiology, pathology, progression and presentation of dental caries		
Have knowledge of the classification, etiology, pathogenesis and processes of common oral diseases		



Annex 1: Learning outcomes for Dental Hygiene

Have knowledge of the causes and effects of oral diseases needed for their prevention and management		
<b>INTRODUCTION TO CLINICAL DENTAL HYGIENE</b>		
Be competent at obtaining a detailed history of the patient's dental condition		
Be competent at checking a patient's medical history		
Be competent at providing preventive oral care for the individual patient		
Be competent at collecting periodontal data and charting		
Be competent at supragingival and subgingival scaling		

Annex 1: Learning outcomes for Dental Hygiene

Be competent in the use of appropriate anti-microbial therapy in the management of plaque-related diseases		
Be familiar with the clinical precautions required to treat patients with temporomandibular joint disorders		
Be competent to provide dental hygiene care for the older adult		
Be familiar with the physiology of ageing and the management of problems associated with care of the older adult		
Be familiar with the presentation of oral and dental diseases and disorders in the older adult		
Be competent in the cleaning, polishing and scaling of dental implant-supported structures		

Annex 1: Learning outcomes for Dental Hygiene

Be familiar with implant-retained crowns, bridges and removable prostheses		
<b>CHILD DENTAL HEALTH</b>		
Be competent at recognizing active caries and providing preventive care in children		
Be familiar with the management of trauma in the deciduous and permanent dentitions.		
Be competent at providing dental hygiene care for the orthodontic patient		
Be familiar with the normal facial development, occlusion and the adverse effects of malocclusion on oral health		

Annex 1: Learning outcomes for Dental Hygiene

<p>Be familiar with contemporary orthodontic treatment techniques</p>		
<p>Be familiar with the limitations of orthodontic treatment</p>		
<p><b>PREVENTIVE DENTISTRY</b></p>		
<p>Be competent at instructing patients in the various methods of plaque control, including both chemical and mechanical means and incorporating appropriate modifications for patients with special needs</p>		
<p>Be competent in teaching patients about the dietary control of dental caries</p>		
<p>Be competent in the application of fissure sealants, with good knowledge of their properties and composition following the dentist's instructions</p>		
<p>Be competent in the use of fluoride topically</p>		

Annex 1: Learning outcomes for Dental Hygiene

Be competent at providing smoking cessation advice for patients		
Have knowledge of the principles of prevention of dental disease with an appreciation of the dynamics involved, including therapeutic, educational, social and environmental factors		
Have knowledge of other preventive techniques which may be available		
Have knowledge of the systemic use of fluoride		
<b>DENTAL PUBLIC HEALTH</b>		
Have knowledge in the principles of health promotion, including oral health promotion		
Have knowledge of the importance of community-based prevention		

Annex 1: Learning outcomes for Dental Hygiene

Be familiar with the social, cultural and environmental factors which contribute to health or illness		
Be familiar with the structures of the public health services		
Be familiar with the use of indices in the recording of oral conditions and in evaluating data		
<b>COMPREHENSIVE ORAL CARE</b>		
Have knowledge of the dental care of patients with physical or learning disabilities, mental health problems, or who are medically compromised or terminally ill		
Have knowledge of the principles and problems involved in the provision of domiciliary dental care and the role of the dentist and the dental team		
Have knowledge of their role within the dental team		
<b>DENTAL RADIOGRAPHY, DENTAL RADIOLOGY AND IMAGING</b>		

Annex 1: Learning outcomes for Dental Hygiene

Be competent at taking and processing the various film views used in dental practice		
Have knowledge of the hazards of ionizing radiation and regulations relating to them, including radiation protection and dose reduction		
Be familiar with the principles which underlie dental radiographic techniques		
Be familiar with the assessment of image quality		
Be familiar with alternative imaging techniques		
<b>PAIN AND ANXIETY CONTROL</b>		
Have knowledge at managing fear and anxiety with behavioral techniques and empathize with patients in stressful situations		

Annex 1: Learning outcomes for Dental Hygiene

Be familiar with the application of drugs in the control of pain and anxiety		
<b>DENTAL CARIES</b>		
Have knowledge of the epidemiology, histopathology, microbiology and pathogenesis of dental caries		
Have knowledge of the classification, etiology, clinical presentation and management of dental caries		
Be familiar with the diagnostic methods available to detect a carious lesion		