



**UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA**

COURSE SYLLABUS

Organization and Ergonomics of The Profession

2425-1-I0301D005-I0301D019M

Aims

Provide the basic tools for the knowledge of the principles of ergonomics, stomatology, operating positions and instruments.

Contents

Know the notions of anatomy and dental morphology with particular regard to periodontal anatomy; to know the principles of microbiology of the oral cavity, the mechanisms of formation of soft and hard deposits and the mechanisms of periodontal disease associated with plaque.

Detailed program

PRINCIPLES OF STOMATOLOGICAL ERGONOMICS: introductory concepts of ergonomics; ergonomics stomatology and the dental team; special and general stomatological ergonomics; concept of operating procedure: preparation, execution and reorganization; principle of the economy of movements; elementary movements; ergonomic approach to the patient; ergonomic support for the patient pedodontics.

OPERATIONAL POSTURE PROTOCOL: visibility of the operative field; type of lighting; access to the operating field; the work areas; the positions of the body; the positions of the body in relation to the type of patient; relationship between chair and body; the dental environment; types of dental unit; the unit and its parts.

WORKING AREAS AND POSITIONS: clock work positions based on the operating sextant; operator positions; assistant positions; patient positions; operator-assistant position in pediatric dentistry; child parent position; advantages and disadvantages of a correct position.

OPERATIVE POSITIONS: correct work positions; static-dynamic-comfort-zone posture; working position: advantages and disadvantages; sitting position: advantages and disadvantages; working position: direct and indirect vision; exchange of tools; role of hands operator; role of the assistant's hands; Handling of instruments: exchange area, pen handle, palm to palm and thumb; opposite palm and thumb; types of exchange and recovery of the tools; delivery positions; the divarication.

THE INSTRUMENT: recognition of the tools; parts of the instruments; types of tools and their features; principles for the use of tools; preparation of the instruments; available on work tray; ergonomic positioning of the working area; tool kit preparation; the reorganization; disinfection; storage.

INCORRECT POSTURE AND INHERENT PROFESSIONAL PROBLEMS: back pain; problems eye; auditory problems; musculoskeletal diseases with physical agents; the pathology of the rachis from exposure to biomechanical risks; the pathology of the upper limbs from exposure to risks biomechanical; pathology from ionizing and non-ionizing radiations; chemical agents; effects biological drugs from exposure to antineoplastic drugs, anesthetic gases; ethylene oxide, formaldehyde; glutaraldehyde; latex; professional cutaneous pathology.

Prerequisites

Teaching form

To be followed in presence, specifically:

-5 lessons per 4 hours each to be followed in presence

Textbook and teaching resource

- The dental office operator and assistant, De Fazio P-Tripodi D, ed. Martina
- Elements of practical and professional dental ergonomics, Guastamacchia C, Masson
- Management of dental professional practice, Guastamacchia C, Tosolin F, Masson

Semester

Second semester

Assessment method

There will be only an oral final exam in which the student is going to be evaluated for the knowledge acquired through the study of both texts and notes and its critical-reflexive skill and problem solving.

Office hours

Friday 8:30-9:00

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
