

IV. BEHAVIOURAL SCIENCE/PATIENT MANAGEMENT - SEDATION/GENERAL ANESTHESIA

IV.1. Patient management

competent to :

- assessment of behaviour management problems
- behaviour management techniques
- approach multi-cultural ethically related problems
- application of the informed-consent-model

knowledge of :

- principles of biological psychology
- cognitive psychology and learning
- developmental psychology and social psychology
(theories of child development, age and stages, life span development, person perception, attitudes and social influences on behaviour)
- principles of communication theory
- psychological, ethical and philosophical aspects of the dentist-patient relationship
- structure and content of conversations in the informed-consent-model
- attitudes and types of response in professional conversations

IV.2 Sedation

IV.2.1. control of pain (painless dentistry)

knowledge of :

- psychology of pain (types of pain, structure of pain perception, social and cultural influences of pain behaviour and measuring pain)
- interaction of local anesthetics with drugs
- local and general complications after administering local anaesthetics

competent to :

- administration of local anaesthetics to children

- recognizing and treating local and general complications during and after administering local anaesthetics
- applying reanimation techniques
- allergic reactions to local anesthetics

IV 2.2. Conscious sedation (*)

competent to:

- informed consent
- instructions to parents or responsible individual(s)
- medical history and physical examination relevant for administration of conscious sedation
- medical appraisal and risk assessment (ASA)
- consult from appropriate medical staff members as indicated by the patient's condition
- perform inhalation sedation and sedation by means of pharmacological approach
- operative, postoperative monitoring (oximetry, measuring heart and respiratory rates and blood pressure) and applying appropriate discharge criteria, with proper documentation
- manage any reasonable foreseeable complications
- apply supportive and resuscitation measures

(*) When applicable to the legislation of the various countries.

knowledge of:

- physiology of breathing, blood circulation and central nervous system
- effects of nitrous oxide/oxygen on breathing, blood circulation, protective reflexes, consciousness, coping and patients' experience of pain and anxiety
- indications and contra-indications of inhalation sedation and sedations using of drugs
- drug pharmacology, effects, doses and use of current drugs
- indications and contra-indications of sedation by nitrous oxide hazards to the health of patients and personnel
- scavenging and exhaust systems
- back-up emergency services
- legislation, rules and laws that apply on sedation

familiar with:

- financial considerations and quality assurance

- basic conditions of nitrous oxide/oxygen delivery equipment
- surveillance and maintenance of the nitrous oxide/oxygen delivery equipment

IV2.3. DEEP SEDATION (*)

knowledge of:

- all skills for conscious sedation including:
- Intravenous access
- preoperative dietary evaluation
- performance of deep sedation

(*) When applicable to the legislation of the various countries.

In most countries deep sedation is not allowed without the presence of an anesthesiologist.

IV.3. GENERAL ANAESTHESIA

In addition to the guidelines previously recommended for conscious sedation, the graduate should be able to demonstrate knowledge of:

- pediatric dental service organization (outpatient, inpatient, emergency and ambulatory services)
- indications and contra-indications for the use of general anaesthesia
- infection control measures in care setting areas
- interpreting laboratory tests
- drugs and equipment used in general anesthesia

