

SYLLABUS FOR PHYSIOTHERAPY in DENTAL MEDICINE

General physiotherapy

1. Definition of physical therapy (PRM). Physical and preformed physical modalities. General principles and guidelines for application. Indications and contraindications.
2. Electrotherapy. Definition, of constant currents (CC), physical characteristics electrophysiological principles of diagnosis and treatment with CC. Indications and contraindications. CC devices.
3. Electrotherapy. Iontophoresis, definition, general principles, physiological and therapeutic effects. General principles and guidelines for iontophoresis in dental medicine. Electroelimination. Indications and contraindications.
4. Electrotherapy. Low-frequency pulsatile currents (PC). Physiological and therapeutic effects. General principles and guidelines for PC-TENS application in dental medicine. PC-TENS Devices. Indications and contraindications.
5. Electrotherapy. Diadynamic currents (DC). Physiological and therapeutic effects. General principles and guidelines for DC application in dental medicine. Diadynamophoresis. DC devices. Indications and contraindications.
6. Fluctuating (FC) and interference currents (IC). Physiological and therapeutic effects. General principles and guidelines for FC and IC application in dental medicine. FC and IC devices. Indications and contraindications.
7. High frequency currents (HFC). Darsonval currents, definition, physiological and therapeutic effects. Darsonvalisation, devices. General principles and guidelines of HFC application in dental medicine. HFC devices. Indications and contraindications.
8. Diathermy currents, definition, physiological and therapeutic effects. General principles and guidelines for diathermy application in dental medicine. Diathermy devices. Indications and contraindications.
9. HF (electromagnetic fields) ultra high frequency currents (UHF) and microwaves (MW). General principles and guidelines of UHF and MW application in dental medicine. UHF and MF devices. Indications and contraindications.
10. The magnetic fields (MF) of permanent magnets, electromagnets, definition, physiological and therapeutic effects. General principles and guidelines of MF application in dental medicine. MF devices. Indications and contraindications.
11. Ultrasound (US). Definition, physiological and therapeutic effects of US. General principles and guidelines of US application in dental medicine. Phonophoresis. US devices. Indications and contraindications.
12. Mechanical modalities, oral massage, definition, physiological effects. Types of oral massage. Indications and contraindications of oral massage in dental medicine.
13. Light therapy, Infrared therapy (IFT). Definition, physiological and therapeutic effects of IFT. General principles and guidelines of IFT application in dental medicine. Methods. "Home-based" IFT. IFT devices. Indications and contraindications.
14. Light therapy, Ultraviolet light therapy (UVT). Definition, dosimetry, physiological and therapeutic effects of UVT. General principles and guidelines of intraoral and extraoral UVT application. UVT devices. Indications and contraindications.
15. Low level laser therapy (LLL). Definition, physiological effects, types of lasers. Indications and contraindications of lasers in dental medicine.
16. Hydrotherapy, definition metabolism and way of application. Indications and contraindications. Hydrotherapy in gingivitis and periodontitis.
17. Thermal modalities for diagnosis and treatment of oral diseases. Physiological activity of thermal modalities. Indications and contraindications.
18. Aerosols of drugs and ions - definition, management, indications and contraindications of aerosols in oral diseases.
19. Ozone therapy in dental medicine. Definition, physiological and therapeutic effects of ozone-therapy in dental medicine. Ozone devices. Indications and contraindications.

Specialized physiotherapy

- 1.** Thermodontodiagnostic, definition, methods, diagnostic value.
- 2.** Electroodontodiagnostic, definition, methods, diagnostic value.
- 3.** Laser applications in periodontics.
- 4.** Laser applications in endodontics.
- 5.** Laser applications in restorative dentistry.
- 6.** Laser applications in pediatric dentistry.
- 7.** Laser applications in oral and maxillofacial dentistry.
- 8.** Laser applications in esthetic dentistry.
- 9.** Physiotherapy for prevention and treatment of caries and non caries diseases.
- 10.** Galvanization and iontophoresis of root canals.
- 11.** Physical modalities applied in post-endodontic complications.
- 12.** Rehabilitation protocols for treatment of glosalgia and glossadenia.
- 13.** Rehabilitation protocols for treatment of salivary glands diseases.
- 14.** Physical agents applied in inflammatory and traumatic diseases on maxillofacial region.
- 15.** Rehabilitation of facial and trigeminal nerves.
- 16.** Physical modalities applied in rehabilitation of temporomandibular joint (TMJ) syndrome.