



The Hebrew University of Jerusalem

Syllabus

Local Anesthesia - 97753

Last update 10-10-2021

HU Credits: 4

Degree/Cycle: 2nd degree (Master)

Responsible Department: Dental Medicine

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Dr. Adir Cohen

Coordinator Email: dr.adir.cohen@gmail.com

Coordinator Office Hours: Sun,Thu, 9:00-14:00

Teaching Staff:

Dr. Heli Rushinek,
Dr. Jawad AbuTair,
Dr. Tabib Rami,
Dr. ,
Dr. ,
Dr. ,
Dr. Adir Cohen,
Dr. Yoram Fleissig,
Prof Nardy Casap,
Dr. ,
Dr. ,
Dr.

Course/Module description:

Local anesthesia in dentistry – learning how to practice safe and effective local anesthesia in dentistry through avoiding the complications that may result from hazards or errors in technique.

Course/Module aims:

The student will understand the principles of local anesthesia administration in dentistry and will be able to deliver local anesthesia in the oral cavity for restorative and surgical procedures or other treatment as needed/required, including management of potential complications of local anesthesia.

Learning outcomes - On successful completion of this module, students should be able to:

- *Assess the probability of the patient to safely undergo dental procedures under local anesthesia.*
- *State the pharmacology and the clinical properties of the local anesthetics and vasoconstrictors and conclude their suitability to the specific patient and/or procedure.*
- *Carry out basic local anesthesia techniques.*
- *Identify local and systemic complications of local anesthesia and analyze the correct way of coping.*

Attendance requirements(%):

100%

Teaching arrangement and method of instruction: Lectures & Clinical Practice

Course/Module Content:

- *Introduction, sterilization, Patient evaluation.*
- *Pharmacology of local anesthetics and of vasoconstrictors.*
- *The armamentarium for local anesthesia.*
- *Upper jaw - techniques of regional anesthesia.*
- *Lower jaw - techniques of regional anesthesia.*
- *Local complications in local anesthesia.*
- *Systemic complications in local anesthesia.*
- *Quiz prior to hands on.*

Required Reading:

Handbook of Local Anesthesia, Stanley F. Malamed, 5th edition

Additional Reading Material:

None

Course/Module evaluation:

End of year written/oral examination 100 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

All clinical practices are obligatory

-Theoretic examination prior to clinical training -Competency test prior to patients treatment