

The Hebrew University of Jerusalem

Syllabus

Comprehensive treatment of the adult patient. - 97971

Last update 30-04-2014

HU Credits: 15.5

Degree/Cycle: 2nd degree (Master)

Responsible Department: Department Of Prosthodontics, Faculty of Dental Medicine

Academic year: 6

Semester: Yearly

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Dr. Yossi Gleitman

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Teaching Staff:

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Course/Module description:

This course provides each 6th year student with both basic and advanced clinical training and experience in comprehensive treatment. This multidisciplinary prosthodontic treatment experience will include the following disciplines: oral diagnosis, oral and maxillofacial surgery, endodontics, periodontics, pediatrics, orthodontics, geriatrics, hospital dentistry; focused on: operative dentistry, fixed prosthodontics and removable prosthodontics. Each 6th year student is assigned to a clinical instructor's group, which is managed by three dentists, at least one of which is a specialist in prosthodontics. These clinical instructors provide training in diagnosis, treatment planning, treatment sequencing and the treatment of assigned patients. Consultations in the various specialties of dentistry is available upon request. The student, supervised by the instructors, direct and coordinate the total dental health care of their patients. Weekly seminars are held within each group to discuss student cases, and to review dental techniques as well as a literature review. Individual student meetings are scheduled to discuss clinical performance.

Course/Module aims:

- To teach the student to manage and perform multidisciplinary prosthodontic treatment. Implementation and integration of knowledge acquired during his/her studies.*
- Acquire knowledge for diagnosis and treatment tools of adult patients with an indication for teeth supported FPD and implant supported fixed dentures.*
- This course aims at preparing the 6th year student to be capable of performing basic and advanced clinical procedures on their assigned patients under the supervision of dental clinicians while consulting specialists in other fields of dentistry.*

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- To prepare the students for developing clinical competency to a satisfactory level.
 - To prepare students to pass internal and external examinations in order to graduate from the School of Dental Medicine.
 - To competently serve the needs of patients in private practices and in the community.

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

- Perform a thorough patient anamnesis and clinical examination
- Discuss the diagnosis of dental diseases and their etiology
- Recommend detailed comprehensive treatment plan
- Assemble caries management by risk assessment
- Outline clinical and technical stages of fixed partial dentures both tooth and implant supported
- Demonstrate clinical skills in the treatment/restoring teeth to form, function, and esthetic standards
- Perform basic clinical procedures of fixed partial dentures, tooth and implant supported

Attendance requirements(%):

90%

Teaching arrangement and method of instruction: Lectures, Seminars & Clinical Practice

The course includes lectures given by members of the department and guests, seminars and clinical presentations.

During the year there will be 8 quizzes. The theoretical exam at the end of the year will be comprised of open ended questions.

Course/Module Content:

Theoretical aspects of:

- Etiology, prevention, diagnosis and management of dental diseases.
- Clinical and technical sequences of restorative dentistry.
- Clinical and technical sequences of fixed partial dentures.
- Planning and performing implant supported fixed partial denture.
- Esthetic dentistry.

Clinical Requirements:

- 4 comprehensive treatment plans

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- 35 restorations
 - 6 post & core placement
 - 10 units of tooth supported fixed partial dentures
 - 2 units of implant supported fixed partial dentures

Required Reading:

1. Shillingburg, Hobo, Fundamentals of fixed prosthodontics. Whitsett. Quintessence Books, 1981 Ch. 1, 2, 3, 4, 7, 9, 10, 13, 14, 16, 21, 26, 27
2. Misch CE. Dental Implant Prosthetics. Elsevier Mosby 2005 Ch. 3, 19, 21, 22, 23, 24,
3. Kraus B., Jordan R.E. and Abrams L. The dentition: Its alignment and articulation from: Dental anatomy and occlusion. The Williams & Wilkins Co. 1980
4. Mohl, Zarb, Carlsson and Rough: A textbook of Occlusion. The temporomandibular joint. Quintessence Books 1988. pp. 81-96.
5. Goldman HM, Cohen DW. Periodontal Therapy. CV Mosby Co. Chapter 30: Occlusal adjustment
6. Schuyler C.H The function and importance of incisal guidance JPD 13:1011-1029 1963
7. Donovan, Chee A review of contemporary impression materials and techniques. Dent. Clin. N. Am 2004 Apr;48(2):vi-vii, 445-70
8. R. W. Wassell et al. Crowns and other extra-coronal restorations: Provisional restorations. Br. Dent. J. 2002; 192: 619-630
9. R. W. Wassell et al. Crowns and other extra-coronal restorations: Try-in and cementation of crowns. Br. Dent J. 2002; 192: 17-28
10. Ariel J. Raigrodski, Contemporary materials technologies for all-ceramic fixed partial dentures: A review of the literature JPD 2004;92:557-62.
11. Excessive gingival display--etiology, diagnosis, and treatment modalities. Silberberg N, Goldstein M, Smidt A. Quintessence Int. 2009 Nov-Dec;40(10):809-18.
12. Rivera-Morales WC, Mohl ND. Restoration of the vertical dimension of occlusion in the severely worn dentition. Dent Clin North Am. 1992 Jul;36(3):651-64. John C.
13. Wataha Alloys for prosthodontic restorations. JPD 2002;87:351-63.
14. Brunsvold Michael A. Pathologic Tooth Migration. Periodontol. 2005 June; 859-866
15. Robbins J.W. Restoration of the endodontically treated tooth. Dent. Clin. N. Am 46 (2002) 367 - 384

Additional Reading Material:

None

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 0 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 100 %

Additional information:

Module evaluation:

- o Clinical Continuous Assessment 45%
- o Clinical case presentation 10%
- o Clinical requirements 5%
- o End of Year (course) Written Examination. 25%
- o Written Quizzes 5%
- o Presentation 5%
- o Practical Examinations 5%

Additional information:

Clinical Requirements:

- o 4 comprehensive treatment plans
- o 35 restorations
- o 6 post & core buildups
- o 10 units of teeth supported fixed partial dentures
- o 2 units of implant supported fixed partial dentures