

**King Saud University
College of Dentistry
Graduate Program in Endodontics
Instructional Syllabus -RDS 511**

Course Title	: Endodontic Specialty Clinic
Course Number	: RDS 511
Course Director	: Hanan Balto, B.D.S, MSc, Cert. of Endo
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Credit Hours	: Four hours (4 sessions/week)
Course Level	: 1st year
Format	: Clinical
Venue	: Endodontic Clinic (7 th Floor)
Year	: 2015-2016

COURSE DESCRIPTION

This is a comprehensive clinically oriented course designed to expose the resident to the variety of philosophies, materials and techniques in endodontic. In addition to didactic courses, this course will provide a combination of visual and technical experiences that will enhance effective learning. This course introduces the first year resident to critical thinking skills by utilizing information learned in basic sciences, classic literatures, and pre-clinical to treat patients in a clinical endodontic setting. The resident is expected to develop the necessary skills for gathering diagnostic information, developing a sequential treatment plan, and performing endodontic procedures using sound clinical judgment and contemporary endodontic and materials.

After successful completion of this course, the resident should have a sound basic foundational knowledge and experience in endodontic that will enable him/her to manage patients with less supervision. The foundation of clinical skill and experience gained in this course will help the resident to develop a strong ability to acquire additional knowledge and technical skills and become a life-long learner in this field.

COURSEOBJECTIVES:

By the end of this course the residents should be able to achieve competence in:

- Taking and recording an appropriate medical history, conducting a systemic extraoral and intraoral examination, and determining the relationship between the general and oral health status of the patient and the endodontic therapy.
- Performing and interpreting the significance of the various tests and examination findings used in the identification of pulp pathosis and pulp related periradicular pathosis.
- Differential diagnosis of oral and maxillofacial pain.
- Discriminating between periradicular lesions of pulpal origin, periradicular lesions of non-pulpal origin and normal anatomic structures, which resemble periradicular lesions.
- Recognizing and providing appropriate treatment to enhance the reparative potentials of the vital dental pulp and avoid the necessity of root canal treatment and rendering appropriate treatment where indicated.
- Recognizing and correcting procedural errors in access preparation, instrumentation and obturation
- Interacting with all health practitioners involved in treating the patient by acting as the coordinator of the patients total dental health care.

COURSE REQUIREMENTS:

- This course is designed to provide high standards quality, comprehensive care for patients with a commitment to excellence. This is best accomplished when:
 - a) Residents are academically prepared for each patient appointment.
 - b) Residents are organized and use their time wisely.
 - c) Residents exhibit professionalism in treating their patients.
 - d) Residents maintain a clean, properly equipped operatory at all times.
 - e) Residents have diagnostic information readily available.
 - f) Patients have an approved treatment plan before initiating endodontic treatment.

- Specifically for RDS 511, residents should complete root canal treatment on at least 50 teeth using HAND instrumentation before moving to ROTARY instrumentation.
- Clinical cases for RDS 511 should be relatively uncomplicated. The clinical instructors will guide the resident through the various steps involved in providing patient care. As the resident develops clinical experience, knowledge, and competency, he/she will be able to treat patients with less supervision. With permission from the clinical instructor, the resident may be permitted to treat more complicated treatment situations.
- The residents MUST work under a magnification aid (Loup, microscope, etc) during the endodontic procedure.
- If the resident is indecisive about certain step and there is any question, he/she should seek assistance from the assigned supervisor. It would be better to lose a point or two than proceed and cause iatrogenic damage to the patient's tooth, resulting in possible failure.
- No patients are to be treated without instructional supervision unless so authorized. Residents who disregard this regulation will be subject to suspension from the clinics.
- 100% attendance is required: If a resident cannot attend the clinical session, he/she should seek an excused absence from the course director and the assigned supervisor prior to the scheduled clinical session, and complete the necessary arrangement with her/his booked patient.

CLINICAL REQUIREMENTS

One of the main objectives of the Endodontic program is that the residents has broad cases from all the categories to gain experience in the different modalities of endodontic therapy. Thus it is essential that the resident should complete ***not less than 230 cases during his/her graduate program. The breakdown of these cases should be as follows:***

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|--|------------------|
| a. Conventional root canal therapy (mainly molars) | 200 cases |
| b. Surgical endodontic therapy | 20 cases |
| c. Bleaching | 5 cases |
| d. Implant cases | 5 cases |

- **Out of the 200 cases only 10 % will be for single rooted teeth, while 90% of the cases should be mutirooted teeth. However, challenging single rooted teeth is considered.**
- At least 50% of the treated cases should be recalled for a minimum of one year.
- Residents are highly encouraged to attend crown-lengthening procedure with periodontist and document those cases with photographs.

RESIDENT EVALUATION:

The grade will be given based on:

- Monthly evaluation {clinical management, clinical judgment, discipline, attitude and behavior} (20%)
- Technical Quality (80%)

****Passing Grade = 80%***