

King Saud University  
College of Dentistry  
Department of Pediatric Dentistry and Orthodontics  
Postgraduate Program in Pediatric Dentistry

Course PDS 571  
Clinical Orthodontics  
Academic year 1434-1435 (2013 –2014)  
Course Director: Dr. Fares Al-Schaibany

## **COURSE DESCRIPTION**

### **Introduction:**

This is a one year course of two credit hours. It is primarily a clinical course. A modest knowledge of orthodontics which is essential for the pediatric dentist will be covered in the course. A variety of options in interceptive orthodontics will be discussed with the students when it is best time to treat or refer a patient to an orthodontist.

Preparation and analysis of orthodontic records such as orthodontic study models, panoramic and lateral cephalometric radiographs will be the initial step to start clinical interceptive orthodontic treatment. Different techniques of diagnostic space analysis for the mixed dentition will be covered in the course. The students in this course will be exposed to a variety of cephalometric analysis which include diagnostic tools of dental, skeletal and soft tissue findings.

Clinical application of intra and extra oral removable appliances will be covered in various areas of clinical orthodontics. This clinical course essentially include step by step analysis and clinical application of different intra and extra oral appliances such as space maintainers, expanders, headgears, habit breaking appliances and removable retainers used in clinical orthodontics for pediatric dental patients. A comprehensive knowledge of each appliances, i.e. advantages, indications vs. contra indications of each appliance will be discussed. The students will be exposed to the clinical orthodontic treatment of selected pediatric dental patients.

A comprehensive discussion will support and broaden the information covered in various areas of clinical orthodontics.

The Course Director will provide help to students in discussing variety of intra and extra oral removable appliances used in clinical orthodontics for pediatric dental patients . The students are required to complete the assigned project each clinical session.

## **Objectives of the Course:**

- To provide classical and up to date knowledge to students in various areas of clinical orthodontics for pediatric dental patients.
- To enable the students in the analysis and set up proper diagnosis of orthodontic patients in pediatric dental clinics.
- To guide the students in how to utilize variety of removable orthodontic appliances in daily clinical practice of pediatric dentistry.

## **Evaluation:**

The students will be evaluated through the following three mechanisms:

- Continuous evaluation; based on the performance during each clinical session (50%).
- Mid semester clinical examinations (20 %).
- Final clinical / oral examinations (30%).