



# King Saud University College of Dentistry



Department of Preventive Dental Sciences  
Division Of Orthodontics

PDS 432  
CLINICAL ORTHODONTICS  
ACADEMIC YEAR 1429-1430H [2008-2009G]

## Course Outline

### Course Director

**DR. HUDA AL-KAWARI**

### Contributors

- Dr. Sahar ALBarakati
- Dr. Laila Baidas
- Dr. Hana Al-Balbeesi

### Course Description

**Course Name : Clinical Orthodontics**  
**Course Number : 432 PDS**  
**Credit Hours : One (1) Credit Hour**  
**Pre-requisite Course : 431 PDS (Introduction to Orthodontics)**

The course is given over a period of 15 weeks divided into seminar and clinical orthodontics. In the seminar, three or four students will search extensively for selected orthodontic topic and will submit a report and give presentation on it followed by a group discussion on the topic with contribution of all students. The clinical session will cover 6 clinical orthodontic cases. The student will be divided into three groups and they will participate in problem-based session to analyze the presented cases.

1. To increase the knowledge of the students in theoretical background of the selected orthodontic topics.
  2. To familiarize the students with the appropriate procedure of orthodontic diagnosis and treatment planning.
  3. To expose the students to the orthodontic management of malocclusions.
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The course has the following objectives

At the end of the course the students should be able to recognize and classify the different types of malocclusions and define the cases suitable for treatment.

Evaluation

The student will be evaluated by their performance during the course. The total grade is 100% and distributed as follows:

Continuous Assessment (60 marks)				
Evaluation	Report	Midterm	Final	Total
15	15	30	40	100



## 432 PDS Clinical Orthodontics SEMINAR & CLINICAL SCHEDULE

WEEK	DATE	SEMINAR	CLINICAL
1	14/10/08	Introduction	Introduction
2	21/10/08		<b>Clinical Cases (1 &amp; 2)</b>
3	28/10/08	CPR	CPR
4	04/11/08		<b>Clinical Cases (1 &amp; 2)</b>
5	11/11/08	The Timing of Early Treatment: An Overview (Student 1, 2 & 3)	
	18/11/08	Orthodontic Diagnosis and Treatment Planning in the Primary Dentition (Student 4, 5, 6 & 7)	
6	25/11/08	The Benefit of Early Orthodontic Treatment (Student 8, 9, & 10)	
	02/12/08	Management of Space Problems in the Primary and Mixed	

		Dentition (Student 11, 12, 13 & 14)	
7	16/12/08		<b>Clinical Cases (3 &amp; 4)</b>
8	23/12/08		<b>Clinical Cases (3 &amp; 4)</b>
10	30/12/08	Orthodontic Diagnosis in Young Children: Beyond Dental Malocclusion (Student 15, 16 & 17)	
		Orthodontic Diagnosis and Treatment Planning (Student 18, 19, 20 & 21)	

11	06/01/09	Managing the Developing Class III Malocclusion with Palatal Expansion and Face Mask Therapy (Student 22, 23 & 24)	
		Treatment of Class III Problems Begins with Differential Diagnosis of Anterior Crossbites (Student 25, 26, 27 & 28)	
12	13/01/09		<b>Clinical Cases (5 &amp; 6)</b>
13	20/01/09		<b>Clinical Cases (5 &amp; 6)</b>
14	27/01/09	Clinical Management of Impacted Canine (Student 29, 30 & 31)	
		Special Consideration in Treatment of Adults (Student 32, 33, 34 & 35)	
15	13/01/09	Orthodontic Treatment for the Cleft Palate Patient (Student 36, 37 & 38)	
		Assessment of Patients for Orthodontic Surgery (Student 39, 40, 41 & 42)	
16		<b>FINAL ASSESSMENT EXAMINATION</b>	

# References

## Reference Books:

1. An Introduction to Orthodontics

Mitchell L.

Oxford University Press 1996

2. Contemporary Orthodontics

Proffit W.

Mosby, Inc. 2000

## Reference Articles (Provided to the Students):

1. The Timing of Early Treatment: An Overview. Proffit WR. American Journal of Orthodontics and Dentofacial Orthopedics, 129(4 Supplement 1): S47-S49, 2006.
  2. Orthodontic Diagnosis and Treatment Planning in the Primary Dentition. Ngan P, Fields H. ASDC Journal of Dentistry for Children, 62(1): 25-33, 1995.
  3. The Benefits of Early Orthodontic Treatment. Rondeau B. General Dentistry. 51(2): 114-119, 2003.
  4. Management of Space Problems in the Primary and Mixed Dentition. Ngan P, Alkire RG, Fields H. Journal of American Dental Association, 130(9): 1330-1339, 1999.
  5. Orthodontic Diagnosis in Young Children: Beyond Dental Malocclusion. Jefferson Y. General Dentistry: 51(2): 104-111, 2003.
  6. Orthodontic Diagnosis and Treatment Planning. Bishara SE. Textbook of Orthodontics. 1<sup>st</sup> edition Philadelphia: Saunders; 98-112, 2001.
  7. Managing the Developing Class III Malocclusion with Palatal Expansion and Facemask Therapy. Turley P. American Journal of Orthodontics and Dentofacial Orthopedics, 122(4): 349-352, 2002.
  8. Treatment of Class III Problem begins with Differential Diagnosis of Anterior Crossbite. Ngan P, Fields H. American Academy of Pediatric Dentistry no. 19. 6 pages 386-395, 1997.
  9. Clinical Management of Impacted Maxillary Canines. Bishara SE. Seminar in Orthodontics. 4(2): 87-98, 1998.
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10. Special Consideration in Treatment of Adults. Proffit WR. Contemporary Orthodontics, 6(3): 183-194, 2000.
11. Orthodontic Treatment for the Cleft Palate Patient. Vlachos CC. Seminars in Orthodontics, 2(3): 197-204, 1996
12. Assessment of Patients for Orthognathic Surgery. Bailey LJ, Proffit WR, White R Jr. Seminars in Orthodontics, 5(4): 209-222, 1999.

**432 PDS**  
**Clinical Orthodontics**  
**EVALUATION SHEET FOR ORTHODONTIC SEMINAR**

Topic :  
 Date :  
 Name :  
 of  
 Student

Introduction/conclusion to the subject	: (2)	_____	_____	_____
Organization and fluency of information given	: (4)	_____	_____	_____
Sufficient information	: (4)	_____	_____	_____
Illustrative diagrams and photographs	: (2)	_____	_____	_____
Extra information taken from articles and books	: (3)	_____	_____	_____
TOTAL	: (15)	_____	_____	_____

**Note:** The evaluation should be according to the performance of the student. Two instructors should evaluate each student and the average mark is recorded.

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