



King Saud University, College of Dentistry
Department of Preventive Dental Sciences
Division of Pediatric Dentistry

442 PDS
Clinical Pediatric Dentistry II

Tuesday, 2:00 – 5:00 pm [DUC]

Course Directors : **Dr. Fares Al-Schaibany** [DUC]

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Course Number	:	442
Course Code	:	PDS
Credit Hour	:	Two (2) Credit Hours
Pre-requisite Course	:	441 PDS
Location in the Curriculum	:	Fifth Year

Course Description:

This is final clinical course in pediatric dentistry. The course consists of one clinical training session of 3 hours per week for the whole academic year. The students are required to provide comprehensive dental treatment for children age 3 to 8 years presenting with a wide range of dental problems. Emphasis of the course will be on patient education and management, treatment planning, prevention of dental disease, restorative procedures, pulp therapy, and space management.

Course Objectives:

After completing the clinical training, the students should be able to:

1. Evaluate the patient's need for behavior modification.
2. Apply different behavior modification techniques learned.
3. Formulate a treatment plan for this age group.
4. Discuss with parents different approaches for the prevention of dental disease.
5. Teach and motivate parents in proper brushing technique according to their children age.
6. Administer local anesthesia.
7. Use rubber dam properly.

8. Restore primary teeth using different materials available.
9. Use several clinical procedures available for pulp therapy.
10. Effectively manage cases of premature primary tooth/teeth loss.
11. Manage dental trauma in children.
12. Recognize and manage/refer disabled individuals.

Clinical Course Outline:

1. Guidance of the child behavior (Psychological).
2. Guidance of the child behavior (Pharmacological).
3. Pulp Therapy
4. Stainless Steel Crown Restorations.
5. Treatment strategies of caries in children.
6. Space management
7. Management of patients with:
 - a. Traumatized primary teeth and immature permanent anterior teeth.
 - b. Oral and skin manifestations of infectious diseases.
 - c. Periodontal diseases.
 - d. Systemic diseases.
 - e. Disabled conditions.

Course Requirements:

Following are the minimum clinical requirements:

- | | | | |
|----|-------------------------------|---|-------|
| 1. | Comprehensive Treatment Plans | - | Three |
| 2. | Behavior Management | - | Two |
| 3. | S.S.C | - | Five |
| 4. | Pulpotomies | - | Four |
| 5. | Space Maintainers | - | Three |
| 6. | Finished cases | - | Two |

Course Evaluation/Grading: Total Grade (100)

Students are evaluated in three areas:

- | | |
|------------------------|-----|
| 1. Clinical Evaluation | 70% |
| 2. Written Examination | 30% |

1. Clinical Evaluation

(Failure to satisfy course requirements and course evaluation will lead to failure of the course)

Students will be evaluated on weekly basis in the following manner:

1a. Quality of Work and Knowledge – (45)

Several instructors are assigned for this course. Each instructor will work with a group of students for several weeks, and then rotate with other groups. The final grade for the quality of work will be calculated by averaging the grades given by all the instructors.

The knowledge of the students will be tested on weekly basis by the instructor on the clinical procedure he/she is performing or related topics.

Note: Factors such as patient’s booking, punctuality, neatness, professional attitude, rapport with the instructors and infection control will be considered in the weekly grading of the students.

1b. Effort – (25)

The evaluation for the effort will depend on the following:

1. Satisfying the course requirements.
2. Attendance.
3. Amount of clinical work accomplished.

The point system will be adopted to assess the effort, and the final grade will be calculated according to the class performance.

Point Allocation for Clinical Procedures:

1.	Examination, Treatment Plan (TP), Charting Prophyl/FI., etc.	2 pts. (Max of 5 TP) 1 pt.
2.	Sealant	1 pt./quadrant
3.	Class I	1 pt.
4.	Class II	2 pts.
5.	Class III	1 pt.
6.	Class IV / MOD	3 pts.
7.	SSC	3 pts.
8.	I.P.C.	1 pts.
9.	Pulpectomy – Exceptional cases (to be determined by the instructor)	4 pts.

10.	Pulpotomy	3 pts.
11.	Temporary Dressing	0 pt.
12.	Extraction	1 pt.
13.	Space Management/Maintainer	
	* Band and Loop	2 pts.
	* Nance and Lingual Arch	3 pts.
14.	Behavior Management of Patient	1 to 5 pts.
15.	Complete Case (after polishing/prophy/FI)	2 pts.

2. Written Examination – (30)

Two written examinations (15 points each) will be conducted to test the knowledge and understanding of the student on the following topics:

First Term:

1. Guidance of the child behavior (behavioral approach)
2. Guidance of the child behavior (pharmacologic approach).
3. Pulp therapy.
4. Stainless steel crown restorations.
5. Caries in children, and treatment strategies.
6. Trauma in primary and immature permanent anterior teeth.

Second Term:

1. Space management.
2. Oral and skin manifestation of infectious diseases.
3. Periodontal diseases.
4. Systemic diseases.
5. Children with special care needs.

Examination Dates:

1st Exam. Tuesday, 13th Nov, 2007
 2nd Exam. Tuesday, 29th April, 2008

Exam Type : Written – Slides

Students' Responsibilities:

1. Arrange appointment for patients and have it recorded in booking area.
2. Make sure that the patient attends the appointment by reconfirming the appointment with parents a day before.
3. If the booked patient is unable to attend, book your other patient. In case of any problem, inform your course director for an alternate arrangement.

Attendance:

Students are expected to be in the clinic **ON TIME, NO EXCUSES**. Student who is unable to attend the clinic **MUST**:

1. Cancel his/her patient(s) appointment.
2. Inform the course director at least **ONE** day before the session.
3. Write a letter to the course director explaining the reason behind his/her absence.
4. Notify the booking area and give details of new or next appointment.

It is the responsibility of the student to follow the steps listed above. Any student who fails to do so will be regarded as **ABSENT** without excuse and will be given an **(F)** grade in that session.

Completion of minimum clinical requirements do not excuse any student from seeing more patients.

Pass/Fail Grade:

A student who accumulates more than three “**fail grades**” during the year will automatically fail the course.

Clinic Policy:

The student is required to observe the following protocol:

First Visit:

1. Record patient's personal data and case history – dental / medical.
2. Introduce the child to the clinic. Apply the Tell Show and Do Technique.
3. Examine the child and record his/her findings.
4. Take necessary radiographs and makes models, if indicated after supervisor signature.
5. Give oral hygiene instruction – If time allows, prophylaxis and fluoride application should be completed.
6. Dispense a toothbrush for the patient, write his name over it and keep it in your cabinet.
7. Formulate a treatment plan on a separate sheet of paper

8. Present treatment plan to your instructor. When approved, rewrite the treatment plan on allocated pages in the patient's file.
9. Make sure to obtain your instructor's signature on the treatment plan and all the other areas such as charting papers and daily notations.
10. Make sure that the parent/guardian signs the personal information and medical history pages in the patient's file.

Second Visit:

1. Proceed with treatment as planned.
2. At each visit, first ten minutes should be spent in teaching the patient the proper way of brushing using disclosing solution or tablets and his/her own toothbrush.
3. If the patient has rampant caries or large cavities in two quadrants or more, gross excavation of caries should be done followed by I.R.M placement.