

**Paediatric Laboratory Syllabus**  
**2<sup>nd</sup> Semester 2015-2016**  
**Location: Faculty Building**

	Week	Topic	aims
1	29/1	Introduction to history and examination of paediatric patients.  <b>Requirement: Charting quiz (3 marks)</b>	<ol style="list-style-type: none"><li>1. Understand the differences between paediatric dentistry and general dentistry.</li><li>2. Learn how to take history and do examination in paediatric dental clinics.</li><li>3. Become able to chart the teeth (symbols and teeth notation -FDI- and differentiation) of paediatric patients.</li></ol>
2	5/2	Clinical and radiographic diagnosis  <b>Requirement: Diagnosis quiz (3 marks)</b>	<ol style="list-style-type: none"><li>1. Learn about common oral health conditions encountered in paediatric patients.</li><li>2. Learn when radiographs are needed and how to take them and interpret them.</li></ol>
3	12/2	Treatment planning in paediatric dentistry  <b>Requirement: treatment planning quiz (2 marks)</b>	<ol style="list-style-type: none"><li>1. Know the categories of a treatment plan for a child.</li><li>2. Know the sub-categories of treatment plan.</li><li>3. Learn treatment plan writing.</li></ol>
4	19/2	Administration of local anaesthesia and extraction techniques  <b>Requirement: LA toxicity quiz (2 marks)</b>	<ol style="list-style-type: none"><li>1. Learn how to prepare a paediatric patient for local anaesthesia administration.</li><li>2. Learn local anaesthesia techniques and armamentarium needed in paediatric patients.</li><li>3. Learn simple dental extraction techniques and armamentarium needed.</li></ol>
5	26/2	<b>Requirement: Case discussion I (5 marks)</b>	Students will be given information about a specific case along with photos and x-rays and will be asked to discuss history, examination and treatment planning. Work will be in groups.
6	5/3	<b>Requirement: Case discussion II (5 marks)</b>	
7	12/3	<b>Requirement: Case discussion III (5 marks)</b>	
	18/3	<b>Mid-term exam (10 marks)</b>	
8	19/3	Pulp Therapy in primary teeth  <b>Requirement: Pulpotomy (5 marks)</b>	<ol style="list-style-type: none"><li>1. Learn indications and contraindications for pulpotomy in primary teeth and its technique.</li><li>2. Become familiar with the materials used for pulpotomy.<ul style="list-style-type: none"><li>○ <b>Needed armamentarium:</b><ul style="list-style-type: none"><li>○ Natural primary molar</li><li>○ Examination set with excavator</li><li>○ High speed and slow speed burs</li></ul></li></ul></li></ol>

			<ul style="list-style-type: none"> <li>○ Glass slab</li> <li>○ Metal spatula</li> <li>○ Condenser</li> </ul>
9	26/3	<p>Prevention of dental caries in children (I).</p> <p><b>Requirement: caries prevention case (5 marks)</b></p>	<ol style="list-style-type: none"> <li>1. Learn the importance of including prevention in paediatric patients' treatment plan</li> <li>2. Learn what oral hygiene and diet advice to provide for paediatric patients.</li> <li>3. Learn other preventive dentistry modalities used.</li> </ol>
10	2/4	<p>Prevention of dental caries in children (II): Fissure sealants.</p> <p><b>Requirement: Fissure sealant and fluoride varnish application. (5 marks)</b></p>	<ol style="list-style-type: none"> <li>1. Learn when and how to apply fissure sealant.</li> <li>2. Learn when and how to apply fluoride varnish</li> </ol> <ul style="list-style-type: none"> <li>○ <b>Needed armamentarium:</b> <ul style="list-style-type: none"> <li>○ Sound natural permanent molar</li> <li>○ Dental probe.</li> <li>○ Artificial teeth jaw</li> </ul> </li> </ul>
11	9/4	<p>Dental trauma I: History, examination, and diagnosis</p> <p><b>Requirement: dental trauma case (5 marks)</b></p>	<ol style="list-style-type: none"> <li>1. Learn how to collect history and examine a dental trauma patient.</li> <li>2. Learn the classification of injuries to oral and dental tissues.</li> </ol>
12	16/4	<p>Dental trauma II: Introduction to treatment planning</p> <p><b>Requirement: Partial pulpotomy (3 marks)/ splinting (2 marks)</b></p>	<ol style="list-style-type: none"> <li>1. Learn the basic principles of managing a dental trauma patient.</li> <li>2. Learn the basics of partial pulpotomy and how its performed.</li> <li>3. Learn when and how to splint traumatized teeth.</li> </ol> <ul style="list-style-type: none"> <li>○ <b>Needed armamentarium:</b> <ul style="list-style-type: none"> <li>○ Artificial upper central incisor with pulp chamber.</li> <li>○ Artificial teeth jaw</li> <li>○ Straight and round high speed burs.</li> <li>○ Adam's plier</li> </ul> </li> </ul>
13	23/4	<p>Space maintainers</p> <p><b>Space maintainer construction demo</b></p>	<ol style="list-style-type: none"> <li>1. Learn the types of space maintainer.</li> <li>2. Learn when and what type to use for different cases.</li> <li>3. Become familiar with the laboratory work for space maintainers.</li> </ol>