



Study Guide
OF PEDODONTICS

For BDS 4th Year

Study Guide Pedodontics
Department of Operative Dentistry



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Department of Operative Dentistry

MESSAGE FROM THE PRINCIPAL

AVICENNA DENTAL COLLEGE



Prof.Dr.Sohail Abbas Khan

{MDS, Dip Op (Hons) BDS}

It is a matter of immense honour and privilege as the first Principal of Avicenna Dental College to welcome you to prospectively one of the finest dental institutes in the private sector of Pakistan. Avicenna Dental College is a private dental college, which aims to provide the finest dental education to dental undergraduate student in accordance with the latest trends in Medical Education, and to develop them to practice dentistry in the 21st century.

While educating dental students to become licensed, empathetic and competent professionals, Avicenna Dental College endeavours to educate students in a supportive environment in which they provide dental care for a diverse populace. In the times to come, we wish to transform our graduates

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into unfeigned teachers, researchers and consultants by starting post-graduation programs as well.

Avicenna Dental College aims to achieve an enterprising curriculum integrating the basic sciences with clinical experience while utilizing modern technological modalities.

In addition to the production of outstanding oral health professionals, we at Avicenna Dental College recognize our responsibility as a private dental institution to the citizens of the country in making the provision of oral the provision of oral health care available to those who are deprived of ready access.

I feel proud to lead this dental establishment such an inspiring time and hope all of you at Avicenna Dental College will share this pride and play your respective roles in materializing the dream of making this institution the premier dental educator in Pakistan.

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MESSAGE FROM THE HOD, OPERATIVE DENTISTRY

AVICENNA DENTAL COLLEGE



Prof. Dr. Sohail Abbas Khan
{MDS, Dip Op (Hons) BDS}

The Department of Operative Dentistry of Avicenna Medical and Dental College is one of the largest departments of faculty of Dentistry. It provides an important role in the College of Dentistry establishing the foundational concepts of dentistry to the pre-doctoral dental students in caries diagnosis, prevention, repair and restorative techniques. The primary focus of the Department of Operative Dentistry's is to provide the knowledge, technical skills, critical thinking and judgment for the diagnosis, prevention, and management of dental caries, non-carious dental defects (attrition, abrasion, erosion, abfraction, developmental abnormalities, discoloration, and trauma), and elective esthetic smile enhancements. The department is responsible for four clinics namely restorative, endodontic, crown and bridge and pedodontics. The department also carries out the preclinical training/ lectures

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of 2-year BDS in restorative dentistry and clinical training /lectures of 3'd year BDS and final year BDS in operative dentistry.

All full-time faculty in the Department of Operative Dentistry have advance training in Operative Dentistry faculty is recognized for their teaching, research and clinical expertise. In addition, there are excellent clinical facilities for the development of clinical techniques and for clinical research. We also have Phantom Head lab for preclinical restorative techniques These laboratories and clinical areas are routinely used by the faculty and the graduate students as well as by a selected number of pre-doctoral students.

PHANTOM HEAD LAB

In Avicenna Dental College one unique provision is the phantom head laboratory which plays a pivotal role in gradually

introducing dental students to the structure of human anatomy with special focus on teeth, orientation of a dental workstation as well as patient and doctor posture and positioning. Phantom Heads are sophisticated, life- like manikins which allow rehearsal of dental procedures. With the help of these models, students can practice techniques at an early stage of their training without putting patient safety at risk. All Faculty designated for the department is fully trained and equipped to train and demonstrate to students everything required to restore, preserve a tooth without putting real patients' teeth at risk.

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Sr.no.	Contents	Learning objectives
1.	Behavioural guidance of a child patient	<p>Students should be able to have a clear concept of:</p> <ul style="list-style-type: none"> • Emotional development <ul style="list-style-type: none"> • Anger • Fear • Adaptive changes seen in children Factors influencing child's behavior <ul style="list-style-type: none"> • Parent counseling • Child parent separation Classification of child's behavior • Behavioural guidance/shaping <ul style="list-style-type: none"> • Tell-show-do technique <ul style="list-style-type: none"> • Desensitization • Modelling • Contingency management <ul style="list-style-type: none"> • Distraction • Audioanalgesia <ul style="list-style-type: none"> • Voice control • Hypnodontics <ul style="list-style-type: none"> • Coping

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		<ul style="list-style-type: none"> • Relaxation HOME technique
2	Dental Caries and its management	<p>Students should be able to define following:</p> <ul style="list-style-type: none"> • Etiology • Preventive factors <ul style="list-style-type: none"> • Role of saliva • • Plaque Diet • Epidemiological studies <ul style="list-style-type: none"> • Protective factors • Mechanism of dental caries <ul style="list-style-type: none"> • Microscopic structure Area susceptibility • Caries classification • Preventive management • Restorative management Fluorides

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		<ul style="list-style-type: none"> • Caries diagnosis • Cavity preparation • Cavity classification • Amalgam restoration <p>Matrices</p> <ul style="list-style-type: none"> •
3	Pulp therapy	<p>Students should be able to define:</p> <ul style="list-style-type: none"> • Primary and permanent pulp <p>Classification of pulpal diseases</p> <ul style="list-style-type: none"> • Periradicular diseases <ul style="list-style-type: none"> • Diagnosis • Types of pulp therapy <p>Management techniques</p> <ul style="list-style-type: none"> • Calcium hydroxide <ul style="list-style-type: none"> • MTA • Pulpotomy <p>Partial pulpotomy</p> <ul style="list-style-type: none"> • Pulpectomy <ul style="list-style-type: none"> • Obturation of deciduous root canals • Evaluation of success <p>Follow-up</p>

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		<ul style="list-style-type: none"> • Apexogenesis • Apexification <p>Pulp regeneration</p>
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3	Pulp therapy	<p>Students should be able to define:</p> <ul style="list-style-type: none"> • Primary and permanent pulp <p>Classification of pulpal diseases</p> <ul style="list-style-type: none"> • Periradicular diseases <ul style="list-style-type: none"> • Diagnosis • Types of pulp therapy

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		<p>Management techniques</p> <ul style="list-style-type: none"> • Calcium hydroxide <ul style="list-style-type: none"> • MTA • Pulpotomy <p>Partial pulpotomy</p> <ul style="list-style-type: none"> • Pulpectomy <ul style="list-style-type: none"> • Obturation of deciduous root canals • Evaluation of success <p>Follow-up</p> <ul style="list-style-type: none"> • Apexogenesis • Apexification <p>Pulp regeneration</p>
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