



ANNOOR DENTAL COLLEGE & HOSPITAL



Recognized by the Dental Council of India, New Delhi,
Affiliated to Kerala University of Health Sciences
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8.1.8 Steps taken by the College to measure attainment of specific competencies by the BDS students/interns

Oral Medicine & Radiology for BDS Students

Common dental problems like dental caries, and their subsequent sequel by using clinical examination and radiological interpretations.

Training is delivered to identify periodontal diseases, dental caries and other extra oral and intra oral pathologies by means of case history recording and other investigations (radiographs, biopsy etc) under the guidance of faculty.

Students are trained to use electric pulp testers, staining procedures for identification of caries and diagnose keeping the track of spread of oral infection

They are trained to identify mucosal lesions using vital staining and chemiluminescence technique namely velds cope and vizilite.

Students are provided with adequate knowledge to prescribe laboratory investigations and interpret their results.

Students are trained to treat dental emergencies for systemically compromised patients by taking prior precautions and referring them to a concerned medical specialist.

They are also trained in the field of radiology for taking radiographs and processing them.

Students are taught about the harmful effects of radiation and the health hazards caused by radiation exposure.

Clinical evaluation and exercise are given to take intra oral radiographs and to interpret the image accurately.

Specialized radiographs such as TMJ radiographs and Sialography is also demonstrated.

Students are also given classes on panoramic radiographs and their role in forensic dentistry and age estimation.



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The students are expected to maintain a proper log book and clinical dental examination record

For internal and external examination.

Students are taught to be familiar with jurisprudence, patient ethics with respect to prevailing medical law.

Oral and maxillofacial surgery

Students are capable of managing patients who come with surgical problems and also to handle emergency situations like syncope, Hypoglycaemia, Epilepsy, Cardiovascular Diseases.

Students are capable of diagnosing all oral surgical complaints

Students are trained to diagnose oral surgical diseases like, cyst, tumours, skeletal deformities. Students are given classes on legal, ethical and moral issues

Students are given classes on legal, ethical and moral issues

Students are practiced to treat a patient according to a well arranged and co-ordinate case history which has all relevant information that will help to arrive at the correct diagnosis with investigation.

Students are given classes for maintaining asepsis & sterilization

Students are trained well to extract tooth under L.A

Students are trained well to conduct trans-alveolar, extractions, minor impactions, etc.

Students are given classes in BLS (Basic Life Support) to handle emergencies.

Students are trained to perform CPR in mannequin

Students are trained to assist in MCS hospital to make them familiar in General Anaesthesia cases

Students are given a separate class for forensic dentistry which makes them capable to cavity death



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Periodontology

Able to diagnose the patient's periodontal problem, with proper case history recording and discussion with faculty.

Motivated to educate the patients properly to instil a positive attitude towards the dentist and dental treatment.

Motivated to educate the patients regarding the maintenance of good oral hygiene.

Trained to perform thorough oral prophylaxis, sub gingival scaling and root planning and also minor surgical procedures under the guidance of faculty.

Trained to deliver proper post treatment instructions to the patients and do periodic recall and evaluation.

Familiar with the concepts of Osseo integration and basic surgical aspects of implantology through implantology course and posting.

Able to understand the basic concepts of applications of Lasers and Electrocautery in periodontics and practice minor surgical procedures using the same by posting in laser clinic.

Conservative Dentistry and Endodontics

The faculty of Conservative Dentistry and Endodontics trains UG students in such a way that upon graduation the students are capable of assessing patient's general and oral health and formulate a comprehensive treatment plan.

Proper theory classes are conducted followed by seminars, group discussions, vivas and case demonstrations to the students so that the students are enlightened about the basics in the subject.

Students are made into groups and each group are guided by faculties on how to examine the patients clinically and radio graphically and finally how to do a proper diagnosis and treatment plan.

During clinical postings each student has to diagnose each case individually which will be checked and guided by respective faculty members.



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Each student is instructed to prepare cavities both in typho and in natural tooth which once corrected is to be restored. This enables students to understand the basics before doing on patients.

After patients have been allotted individually to students they are instructed to show the procedure step by step to the respective staff guide so that corrections and further improvements can be done. End posting vivas and exams are conducted for assessment of each student.

The exercises include class I, class II, class III & class IV restorations including amalgam and GIC.

Final year students are trained to perform composite restorations and anterior RCT's.

During clinical postings deep carious lesions are allotted to the students to be managed either with direct or indirect pulp capping.

Foundation on principles of aesthetic procedures are explained and taught with demonstrations on patients.

On completion of internship, the student is capable of managing all basic procedures in restorative dentistry and endodontics ethically.

ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

On completion of the undergraduate training programme the graduate should:

Understand about normal growth and development of facial skeleton and dentition.

The students are given comprehensive presentations and classes on the Growth and Development of Oro-facial structures. They are given assignments and asked to present seminars on G and D.

Be able to pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment



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The students are presented scenarios in which aberrations of growth and development has occurred and explained the circumstances and reasons for the same. They are also tutored how to rectify these problems for the benefit of the patient.

Be able to diagnose the various malocclusion categories

The students' undergo comprehensive training through presentations, classes and seminars on the prevalence, features and treatment planning of the different Malocclusions. They are given in depth training on the identification of the different MO in the clinics.

Be able to motivate and explain to the patient and parent-guardian about the necessity of treatment

The students are trained in the clinics to identify and explain to the patients and parents about the deleterious effects of untreated Malocclusion and positively reinforce the benefits of treatment.

Be able to plan and execute preventive orthodontics (space maintainers or space regainers)

The students are trained to identify the deleterious effects of early loss of deciduous teeth and made aware of the need for space maintenance. They are trained in the selection and fabrication of space maintainers and given a chance to assist in the insertion in the patient.

Be able to plan and execute interceptive orthodontics (habit breaking appliances)

The students are comprehensively trained in the identification and treatment of deleterious oral habits through classes and clinical exposure. The students are trained to fabricate habit-breaking appliances and assist in the delivery of the same.



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Be able to manage treatment of simple malocclusion such as anterior spacing using removable appliances

The students are trained in the fabrication of the various components of removable appliances and tutored on the indications and mode of action of the same.

Be able to handle delivery and activation of removable orthodontic/myo-facial appliances.

The students are assigned cases to be treated with either removable appliances or myo-functional appliances during internship and are guided in the preparation and insertion of the same.

Be able to diagnose and appropriately refer patients with complex malocclusion to the specialist.

All throughout the period of study, it is constantly reinforced as to which cases and malocclusions can be treated with removable or myo-functional appliances and the complex cases have to be referred to a specialist without much delay.

PUBLIC HEALTH DENTISTRY

On completion of the undergraduate training programme the graduate should:

Apply the principles of health promotion and disease prevention:

The students are taught the various aspects of health and disease and the methods of health promotion and the disease prevention at different levels. Students are assigned problems and asked to plan health promotion and disease prevention activities.

Have knowledge of the organization and provision of health care in community and in the hospital service:

Students are actively involved in conducting various outreach activities and are trained in diagnosing and providing dental services and health education at these outreach



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programs for the service of the community. Important health days are also observed by the students and various programs are planned to observe the important days. They also are posted at the satellite clinics during their internship so that they get the training in a clinical set up in rural areas.

Have knowledge of the prevalence of common dental conditions in India:

Students are empowered with the knowledge regarding the prevalence, risk factors of various dental diseases in India through class room lectures, seminars, case discussions and assignments are allotted. They are also trained in clinics on identifying the various diseases and recording the indices to diagnose the diseases. The students also undertake surveys to assess the various public health problems.

Have knowledge of community based preventive measures:

Students are trained in various preventive procedures through class room lectures, assignments and seminars. They also have case discussions when they are posted in the clinics and are trained to plan for the various preventive procedures as well on the patients.

Have knowledge of the social, cultural and environmental factors, which contribute to health or illness:

Lecture classes are conducted to train students on the effect various social, cultural and environmental factors on health. They are also trained through community programs where they are taught to assess the relation between the local cultural factors and their effect on health.

Be able to administer hygiene instructions, topical fluoride therapy and fissure sealing:

Students are well trained in regards to providing health education and in all the outreach activities, they educate the community on the various oral hygiene practices and use of fluorides for maintaining good oral health. They also administer the said procedures during their clinical postings in the department.



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Be able to educate patients concerning the etiology and prevention of oral disease and encourage them to assure responsibility for their oral health:

Students are assigned assignments and seminars so that they get familiarized with the methods used for health education and communication and these methods are implemented by them in educating the patients regarding the various oral diseases. They are also assigned health education projects which they submit during their clinical posting time. Communication skills with patients are also assessed during the clinical postings and dental camps.

PROSTHODONTICS AND CROWN AND BRIDGE

Students are taught basics of the laboratory steps for fabricating conventional complete and removable partial denture are done by means of discussions, viva and manipulation. Fabrication of conventional simple complete and removable partial denture and to prepare full coverage crown on typhodonts by means discussion and training under the guidance of faculty.

Training is reinforced during their internship periods for the management of complicated fully and partially edentulous patients

With all the above training, the students are able to carry out routine prosthodontic procedures by the end of the course

Undergraduates are familiarized with the concepts of Osseointegration and are invited to assist implant surgical and prosthetic rehabilitation procedure during their internship.

Undergraduates are continuously trained during their clinical postings to diagnose and treatment plan patients requiring complex treatment and to refer them to the required specialists.



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PEDIATRIC & PREVENTIVE DENTISTRY

On completion of the undergraduate training programme the graduate should:

Be able to instil a positive attitude and behaviour in children towards oral health and understand the principles of prevention and preventive dentistry right from birth to adolescence.

Students are given comprehensive exposure to child psychology, behaviour patterns exhibited in dental clinic and principles of Paediatric dentistry through theory classes, seminars, group discussion and clinical demonstration. Behaviour management techniques and its application are well explained while treating patients.

Be able to guide and counsel the parents/guardian in regards to various treatment modalities including different facets of preventive dentistry.

Proper theory classes are conducted followed by seminars, group discussions, viva voce and case demonstrations to the students so that the students are enlightened about the basics in the subject. Seminar and poster presentation on various treatment modalities including different facets of preventive dentistry help to enhance their knowledge. During clinical posting patients are allotted to students. As per the needs of individual patients, preventive and treatment options are well explained to the parents/guardian under the guidance of faculty member.

Be able to treat dental diseases occurring in child patient.

Preclinical exercises like cavity preparations, restorations on plaster model, natural/typhodont tooth, basic wire bending procedures, simple orthodontic / habit breaking appliance and space maintainer fabrication enable students to understand the basics before doing on patients. During clinical postings students are guided by faculty members on how to examine the patients clinically and radiographically and finally how to do a proper diagnosis and formulate the treatment plan. Patients are allotted to each student to take case history, diagnose each case individually which will be checked and



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guided by respective faculty members and treating the patients under supervision so that corrections and further improvements can be done.

Be able to manage the physically and mentally challenged / disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

Students are taught the management of differently abled children through theory classes, seminars, clinical demonstrations as well as involving them in examination of adopted special school children. To the needs of individual requirement and conditions, treatment modalities are modified with emphasis on preventive care

On completion of internship, the student is capable of diagnosing and managing all basic procedures in Paediatric dentistry ethically.

Oral Pathology & Oral Microbiology

Dental Anatomy, Embryology and Oral histology

Methods adopted

Demonstrations using microscopic slides, study models, tooth specimens

Demonstration of the laboratory procedures at the histopathology lab

Oral Pathology & Oral Microbiology

Methods adopted

Demonstration through microscopic slides & slide projections.

Demonstration through tooth specimens & plaster casts.

Demonstration using peripheral smear.

Training in the preparation of blood smears

Examination using ground sections

Demonstrations using lip prints