

SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

AGALAKOTE, B.H.ROAD, TUMKUR-572107, KARNATAKA.

Recognized by Dental Council of India, NEW DELHI

A Constituent College of Sri Siddhartha Academy of Higher Education (Deemed-to-be-university) Accredited 'A' Grade by NAAC

Phone No: / Fax No: 0816-2275536

Web: www.ssdctumkur.org

Email: ssdctumkur@gmail.com

PROSTHODONTICS CROWN & BRIDGE

Post Graduate Program Outcome

After successful completion of MDS program in prosthodontics postgraduate should be capable to

PO1 : demonstrate knowledge to identify anatomical variations, to diagnose and plan treatment for patients requiring a Prosthodontic therapy.

PO2 : knowledge to read and interpret a radiograph and other investigations for the purpose of diagnoses treatment plan for edentulous jaws.

PO3 : Elicit relevant history and reform appropriate clinical examinations needed to evaluate the Age changes and Prosthodontic Therapy for aged.

PO4 : Implement clinical solutions in response to prosthodontic clinical problems by developing an evidence-based treatment plan and taking a holistic approach to solving problems and designing treatment plans

PO5 : Apply knowledge of biomaterial science to provide and tailor safe, effective prosthodontic solutions to patients, and diagnose failed restoration and provide Prosthodontic therapy and after care.

PO6 : The candidate should be able to restore the lost functions of the stomatognathic system namely speech, mastication etc to provide a quality health care for craniofacial region

PO7 : Perform clinical and Laboratory procedure with understanding of biomaterials, tissue conditions related to prosthesis and have competent dexterity and skill for performing clinical and laboratory procedures in fixed, removable, implant and maxillofacial TMJ, esthetics Prosthodontics.

PO8 : Acquire skill through adequate number of Crowns, Inlays, laminates F.P.D. covering all clinically, partial edentulous situation.

PO9: Develop an attitude to seek an opinion from allied medical and dental specialists as and when required and be willing to share knowledge and clinical experience with professional colleagues

PO 10: Adopt new techniques of prosthetic management developed from time to time-based on own research or critical appraisal of research literature which are in the best interest of the patient

PO11: Provide compassionate patient care and help in national health scenario and neighbouring regions for conditions relevant to the specialty of Prosthodontics irrespective of social status, caste, creed or religion of the patient.

PO12: Communicate with patients from diverse backgrounds including the ability to listen to, respond to, and provide appropriate information and obtaining a truly informed consent

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PO13: Function as an effective team member / leader of a multi professional Prosthodontic team

PO14: Demonstrate a respect for human values, human rights and social responsibilities

PO15: Plan, organize and conduct both clinical and basic research project with an aim of publishing / present the research outcome in various scientific forums.

Postgraduate Course Outcomes

CO- 1: Knowledge of instruments, equipment, and research tools in Prosthodontics.

CO- 2: Knowledge of Dental Material Science - Biological and biomechanical, bio-esthetics knowledge of using in laboratory and clinics including testing methods.

CO- 3: Selection of cases and principles in treatment of edentulous patients, partial or complete by implant supported prosthesis.

CO- 4: practice management, examinations, treatment planning, communication with patients, clinical and laboratory techniques materials and instrumentation requiring different aspects of prosthodontic therapy, Tooth and Tooth surface restoration.

CO- 5: Acquired skill through adequate number of complete denture prosthesis and techniques higher clinical approach by utilizing semi-adjustable articulators, face bow and graphic tracing.

CO- 6: Acquired skill through adequate numbers of R.P.D. covering all clinical partially edentulous situation

CO- 7: Acquired skill through adequate number of Crowns, Inlays, laminates F.P.D. covering all clinically, partial edentulous situation.

CO- 8: Skills of treating single edentulous situation by implant support, Diagnosis and treatment planning, 1st stage and 2nd stage implant surgery.

CO- 9: Treating craniofacial defects, management of orofacial esthetics, prosthetic management of TMJ syndrome, occlusal rehabilitation, maintenance and management of filled restoration, Prosthodontic Management of patient with psychogenic origin, Practice of child and geriatric prosthodontics.

CO- 10: Implants Prosthodontics - Rehabilitation of Partial Edentulous, Complete edentulism and for craniofacial rehabilitation. Failures in all aspects of Prosthodontics and its management and after care, Team management for esthetics, TMJ syndrome and Maxillofacial and Craniofacial Prosthodontics
Management of Prosthodontics emergencies, resuscitation.

CO 11: Student should be able to display their knowledge through seminars, Journal Clubs, Case presentations, Problem Based learnings and Inter Departmental Meet.

CO 12: Students should be able to take minimum two theory classes per annum for undergraduate students.

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CO 13: Students must attend and present scientific papers at CDE, conferences and workshops conducted in various scientific platforms and gain adequate knowledge on current concepts in Prosthodontics, crown and bridge.

CO- 14: Competent specialization in team management of craniofacial design.

CO-15: Student should be able to display effective interpersonal communication and managerial skills on patient care with ethical responsibilities.

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PERIODONTICS AND ORAL IMPLANTOLOGY

Postgraduate Program Outcomes

At the end of the program, graduates will be able to...

- PO1: Describe the biology and pathology of the periodontium as well as the principles of bone biology and wound healing.
- PO2: Collect, organize, analyze, interpret and present clinical data related to the examination of periodontal tissues and for implant placement
- PO3: Utilize the appropriate diagnosing techniques relevant to periodontal and implant treatment and establish a prognosis for the outcomes of periodontal and implant treatments.
- PO4: Demonstrate competence in non-surgical and surgical management of periodontal defects, regenerative techniques, mucogingival procedures for normal and medically compromised patients. Also for managing medical emergencies in the dental clinic.
- PO5: Perform restoration driven implant placement based on the pre-operative planning. And, perform augmentation procedures prior to implant placement by using the appropriate material and techniques.
- PO6: Communicate effectively with other disciplines in treatment planning and in treatment sequencing.
- PO7: Teach in both didactic and clinical areas of undergraduate. Conduct, present and publish research projects based on national and global needs.
- PO8: Demonstrate appropriate professional attitudes and behaviour in dealing with staff members and helping personnel. Converse with patients in an attentive manner that conveys concern, compassion, and the moral support of patients or their families.

Course Outcomes:

Part-1

1. Should have a broad overview of the current research and methods used in studying problems in periodontal disease.
2. Should have an understanding of the broad range of infection diseases affecting the oral cavity.
3. Should have an understanding the clinical and biological factors to be considered in the appropriate use of antimicrobial drugs
4. Be aware of the contemporary principles and practices of laboratory diagnostic techniques and interpretation of laboratory reports.

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5. Should have an understanding of hospital acquired infections and infections in the compromised host
6. Should have a basic knowledge on research methodology, biostatistics and be able to apply it in various research projects as well as dissertations

Part-2

1. Should have an understanding on the normal structure of periodontium and the contributing etiological factors resulting in the pathogenesis of periodontal diseases and be able to apply this knowledge in the diagnosis.
2. Should be able to record indices and plan out epidemiological survey to assess the prevalence and incidence of early onset periodontitis and adult periodontitis in Indian Population

Part-3

1. Should have a sound knowledge of the etiopathogenesis and apply it in diagnosing various periodontal diseases and should be familiar with various periodontal therapies available to treat those cases.
2. Should have an updated knowledge on the recent advancements and be able to modify their treatment accordingly.
3. Develop knowledge skill and the science of oral implantology.
4. Should be aware of the various designs and placement of oral implants and follow up of implant restorations.

Part - 4

1. Should be knowledge able to provide clinical care for patients with complex problems that are beyond the treatment skills of general dentist and demonstrate evaluative and judgment skills in making appropriate decision regarding prevention, correction and referral to deliver comprehensive care to patients.
2. Should be able to analyze various clinical scenarios and apply their knowledge accordingly.

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ORAL AND MAXILLOFACIAL SURGERY

Post Graduate program outcome

After successful completion of MDS program in department of Oral and Maxillofacial surgery the postgraduate should be capable to

PO1: Demonstrate knowledge and understanding of aetiology, pathophysiology and diagnosis, appropriate treatment planning of various oral and maxillofacial surgical problems

PO2: Apply general surgical principles to pre- and post-surgical management particularly evaluation, post-surgical care, fluids and electrolyte management, blood transfusion and post-surgical pain, management.

PO3: Demonstrate knowledge of basic sciences relevant to the practice of oral and maxillofacial surgery

PO4: Record clinical history, perform a methodical examination of the patient, order essential diagnostic investigation and interpret them and deduce reasonable diagnosis and formulate treatment plan of the surgical condition.

PO5: Formulate an evidence-based and cost-effective treatment plan in collaboration with the patient

PO6: Practise with competence minor oral surgical procedures and common maxillofacial surgery both surgically and medically (if required multispecialty approach)

PO7: Provide apt diagnosis, surgical and medical management of diseases, injuries and defects of human jaws and associated oral structure by interaction with other dental, medical and allied disciplines.

PO8: Practise personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste keeping in view of the high prevalence of hepatitis, HIV and other transmissible diseases

PO9: Develop an attitude to seek an opinion from allied medical and dental specialists as and when required and be willing to share knowledge and clinical experience with professional colleagues

PO10: Adopt new techniques of surgical management developed from time to time-based on own research or critical appraisal of research literature which are in the best interest of the patient

PO11: Provide compassionate patient care and help in national health scenario and neighbouring regions for conditions relevant to the specialty of Oral & Maxillofacial Surgery irrespective of social status, caste, creed or religion of the patient.

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PO12: Communicate with patients from diverse backgrounds including the ability to listen to, respond to, and provide appropriate information and obtaining a truly informed consent

PSO13: Function as an effective team member / leader of a multi professional oral and maxillofacial surgical team

PSO14: Demonstrate a respect for human values, human rights and social responsibilities

PO15: Plan, organize and conduct both clinical and basic research project with an aim of publishing / present the research outcome in various scientific forums.

PO16: Demonstrate teaching skills and oral presentation skills with the use of Information & Communication Techniques.

Postgraduate Course Outcomes (COs)

CO1: Should have adequate knowledge about the current principles and practice of contemporary Oral and MaxilloFacial Surgery.

CO 2: Should be able to record a detailed case history and perform clinical examination of patients to arrive at a provisional diagnosis.

CO 3: Student should be able to interpret the plain radiograph (IOPA, extra oral radiograph) and advanced imaging technology CT, CBCT and MRI to facilitate diagnosis and treatment planning

CO4: Student should be able to identify surgical instruments for minor and major Oral and MaxilloFacial surgical procedures

CO5: Student should be able to select the appropriate type of anesthetic agents and able to manage patients accordingly,

CO 6: Should be able to perform various types of preclinical exercises like different suturing techniques and dental wiring on models and perform the same on patients.

CO6: Student should be able to perform Minor Surgical procedures and manage complications

CO7: Student will be able to perform minor surgical procedures for special children and medically compromised patients

CO8: Student will be able to discuss about the various advanced oral and maxillofacial surgical procedures and prepare and assist for the same.

CO9: Student should be able to display effective interpersonal communication and managerial skills on patient care

CO 10: Student should have adequate knowledge about basic medical sciences and should have attended peripheral clinical postings.

CO 11: Student should be able to display their knowledge through seminars, Journal Clubs, Case presentations, Problem Based learnings and Inter Departmental Meet.

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CO 12: Students should be able to take minimum two theory classes per annum for undergraduate students.

CO 13: Students must attend and present scientific papers at CDE, conferences and workshops conducted in various scientific platforms and gain adequate knowledge on current concepts in Oral and MaxilloFacial Surgery

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CONSERVATIVE DENTISTRY AND ENDODONTICS

Postgraduate Program Outcome

At the end of the program Post graduate will be able to,

PO1 :Perform physical and oral examination of the patient, take a proper chair side history and perform relevant tests and interpret them to come to reasonable diagnosis about the dental condition.

PO2 :Diagnose and recognize the conditions that may require multi-disciplinary approach and refer to an appropriate specialist.

PO3 : Perform infection control measures in the dental clinical environment and laboratories.

PO4 :Perform all levels of restorative work including esthetic procedures and management of complicated restorative procedures.

PO5 :Describe and manage the etiology, pathophysiology of pulpal and periapical diagnosis and management of common endodontic situations including trauma and endodontic-periodontic considerations.

PO6 :Diagnose, plan and execute challenging clinical cases requiring comprehensive management strategies using contemporary materials and techniques in the specialty of conservative dentistry and endodontics.

PO7 :Demonstrate communication skills in particular to explain various options available for management and to obtain a true informed consent from the patient.

PO8 :Apply moral and ethical standards while carrying on human or animal research.

Postgraduate course outcome

CO1 : To Understand the anatomy and physiology of the oral and peri-oral tissues with particular emphasis on endodontics .

CO2 : To Understand the etiology, pathobiology, clinical presentation of pulpal and peri radicular tissues.

CO3 : To Understand the impact of systemic diseases on oral tissues and oral diseases on systemic health.

CO4 : To understand the biomaterial science relevant to conservative dentistry and endodontics.

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CO5 : To show professional judgement to implement clinical solutions in response to problems by developing evidence based treatment plan and holistic approach in solving problems and designing treatment plan.

CO6 : Demonstrate clinical proficiency in the delivery of preventive and interventional care as part of a holistic comprehensive treatment plan.

CO7 : Use the advance diagnostic tools and minimal and non invasive surgical tools require to apply the conservative and biological mode of treatment.

CO8 : To solve esthetic problems and plan for esthetic cavity design using different restorative materials and techniques.

CO9 : To apply the technical skills in endodontics based on radicular anatomy of the teeth and clinical cases diagnosed with vital and non vital pulpal diseases.

CO10 : Appraise systematically current evidence in endodontics and show evidence of the ability to assess research.

CO11 : Demonstrate a sound understanding of the importance of hypothesis-setting and the design of suitable projects to address questions relating to practice of conservative dentistry and endodontics.

CO12 : Acquire the knowledge, adequate skills and competence in performing various procedures required in the specialty of Endodontics.

CO13 : Perform infection control measures in the dental clinical environment and laboratories.

CO14 : Provide basic life saving support in emergency situations.

CO15 : Perform all levels of restorative work, surgical and non surgical endodontics as well as endodontic-periodontal surgical procedure as a part of multi-disciplinary approach to clinical condition.

CO16 : Demonstrate the communication skills to support patients and to translate changes in the clinical practice.

CO17 : Provide clinical care to the highest ethical and technical standards in line with current knowledge and with the full and valid consent of the patient.

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ORTHODONTICS

Post Graduate program outcome

After successful completion of MDS program in various specialties the postgraduate should be capable to

PO1 : Apply the Knowledge of basic medical sciences relevant to the practice of Orthodontics.

PO2 : Diagnose the abnormal growth and development patterns of Dento-facial skeletal and soft tissue structures along with their etiology and pathophysiology.

PO3 : Discuss the dynamic interrelationship and reactions of biological process and mechanical forces acting in and around the stomatognathic system.

PO4 : Demonstrate the in-depth Knowledge of theories and types of tooth movement, methods of controlling the untoward effects and mechanical aspects of Orthodontic tooth movement.

PO5 : Recognize the etiological factors for the development of malocclusion and be able to classify the various types of malocclusions and related disorders affecting the craniofacial region.

PO6 : Display the effective use of appropriate diagnostic aids in Clinical Orthodontics.

PO7 : Employ critical thinking and understanding of the principles of clinical management of various types of moderate to complex Dento-facial disorders requiring Orthodontic treatment.

PO8 : Develop skills for systematic preparation and maintenance of case records in both manual and digital forms.

PO9 : Demonstrate the skills for the diagnosis and develop a treatment plan for all types of malocclusions.

PO10: Demonstrate the application of recent advances in biomaterials, techniques and Technology.

PO11: Design , fabricate Orthodontic appliances and clinically carry out treatment including preventive, interceptive and corrective procedures for all types of malocclusions.

PO12: Display the skills for clinical management of medically compromised patients, adult patients and other cases requiring multi-disciplinary approach.

PO13: Demonstrate the clinical skills required to prevent the relapse of the Orthodontic treatment outcomes.

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PO14: Demonstrate the ability to critically analyze and comment on structure and components of research papers.

PO15: Plan, organize and conduct both clinical and basic research project with an aim of publishing / present the research outcome in various scientific forums.

PO16: Demonstrate teaching skills and oral presentation skills with the use of Information & Communication Techniques.

PO17: Demonstrate the techniques of disease prevention, public awareness, infection control and provision of health care in the community.

PO18: Identify any newly encountered clinical situation and exhibit the ability to integrate the prior Knowledge to synthesize an appropriate treatment plan for effective management of these novel clinical conditions.

PO19: Develop skills to practice independently in terms of academic, clinical and research contexts.

PO20: Recognize and respect the patients' rights, moral and ethical responsibilities, medico-legal aspects involved in the Oral health care delivery of the individual patient as well as the population.

PO21: Accept the apprehension and psychological status of the patient and parents and demonstrate the techniques of motivation and instill positive behavior towards the treatment.

PO22: Develop a high degree of credibility, integrity and professional honesty with social concern.

PO23: Develop skills for effective communication with patients, explaining them the various treatment options, the complications involved with different types of Orthodontic procedures and be able to obtain written informed consent for the same.

Postgraduate Course Outcomes (COs)

Course outcome (PG)- The training program in Orthodontics is to structure and achieve the dynamic interaction of biologic processes and mechanical forces acting on Stomatognathic system during Orthodontic treatment and Etiology, pathophysiology, diagnosis and treatment planning of various common Orthodontic problems.

Course outcome 1: (ORTCO1)

Should have adequate knowledge about the current principles and practice of contemporary dentistry.

Course outcome 2: (ORTCO2)

Should have adequate knowledge about current principles of growth and development

Course outcome 3: (ORTCO3)

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Should have the knowledge about differentiating normal occlusion and malocclusion

Course outcome 4: (ORTCO4)

Should have an adequate knowledge about etiology of malocclusion i.e, General and local factors

Course outcome 5: (ORTCO5)

Should have adequate knowledge about differentiating skeletal and dental malocclusions

Course outcome 6: (ORTCO6)

Should be able to record a detailed case history and perform clinical examination of patients to arrive at a provisional diagnosis.

Course outcome 7: (ORTCO7)

Should have adequate knowledge about diagnosis and management of growing and non-growing skeletal malocclusions and recent diagnostic aids.

Course outcome 8: (ORTCO8)

Should have adequate knowledge about direction of tooth movement and biomechanical principles of tooth and jaw movements.

Course outcome 9: (ORTCO9)

Should have adequate knowledge about influence of different drugs and chemicals on the biological response of tooth movement.

Course outcome 10: (ORTCO10)

Should have adequate knowledge about preparation of anchorage including dental and skeletal anchorage system.

Course outcome 11: (ORTCO11)

Should have adequate knowledge about preventive, interceptive, corrective and surgical orthodontics.

Course outcome 12: (ORTCO12)

Should have adequate knowledge about functional jaw orthopedics.

Course outcome 13: (ORTCO13)

Should have adequate knowledge about orthopedic and orthodontic appliances (removable and fixed mechanotherapy)

Course outcome 14: (ORTCO14)

Should have adequate knowledge about advanced treatment methods including self ligating bracket system and aligners.

Course outcome 15: (ORTCO15)

Should have adequate knowledge about management of different types of skeletal and dental malocclusions.

Course outcome 16: (ORTCO16)

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Should have adequate knowledge about management of different types of cleft lip and palate, adult orthodontics and other interdisciplinary orthodontics.

Course outcome 17: (ORTCO17)

Should have adequate knowledge about planning, organizing and conduct both clinical and basic research project with an aim of publishing /present the research outcome in various scientific forums.

Course outcome 18: (ORTCO17)

Should have adequate knowledge about genetics in Orthodontics.

Course outcome 19: (ORTCO19)

Should have adequate knowledge about Adult Orthodontics.

Course outcome 20: (ORTCO20)

Should have complete knowledge about comprehensive retention protocols and followup plan.

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ORAL PATHOLOGY AND MICROBIOLOGY

Postgraduate Program Outcomes

At the end of the program, graduates will be able to...

- PO1 : Apply basic knowledge of both general and oral pathology in dealing with nature of oral diseases, their causes, processes and effects.
- PO2 : Perform routine diagnostic procedures and have knowledge of advanced techniques in diagnosis of oral and paraoral disorders
- PO3 : Demonstrate ability to carry out research projects on clinical and or epidemiological aspects.
- PO4 : Read, interpret, critically evaluate and update knowledge on current oral and maxillofacial pathology literature and write scientific papers and publish, and present in conferences
- PO5 : Describe the basics in Forensic Odontology and ability to apply it in medicolegal issues.
- PO6 : Demonstrate and practice integrity, responsibility, respect and selflessness.
- PO7 : Examine and interpret gross tissue specimens, interpret pathologic cellular change microscopically, arrive at diagnosis and provide a pathology report with final diagnosis and communicate it effectively with the clinician.
- PO8 : Communicate effectively and sensitively with patients, care-givers, colleagues, clinicians, surgeons and the public in a manner that will improve health care outcomes.

Postgraduate course outcomes

At the end of the course, graduates will be able to...

- CO1: demonstrate basic knowledge of general
- CO2: demonstrate basic knowledge of oral pathology in dealing with the nature of oral diseases, their causes, processes and effects.
- CO3: Perform routine laboratory techniques for histopathological evaluation of specimens relating to oral and perioral tissues
- CO4: Plan and administer the routine hematological, cytological, microbiological, immunological and ultrastructural investigations.
- CO5: Demonstrate the knowledge of current research methodology, collection and interpretation of data, ability to carry out research projects on clinical and or epidemiological aspects.
- CO6: Write scientific papers and Update knowledge on current databases, automated data retrieval systems and referencing.

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CO7: Demonstrate the scientific knowledge pertaining to the field and present it in conferences both as poster and verbal presentations and take part in group discussions.

CO8: Recognize the pathology of oral tissues as well as the relation of local pathologic and clinical findings to systemic conditions.

CO9: Apply basic oral microbiology and their relationship to various branches of dentistry affecting hard and soft tissues.

CO10: Describe the basics in Forensic Odontology and ability to apply it in medicolegal issues.

CO11: Demonstrate and practice integrity, responsibility, respect and selflessness.

CO12: Examine and interpret gross tissue specimens.

CO13: Interpret pathologic cellular change microscopically and group diseases of similar histologic patterns in order to arrive at a differential diagnosis and ultimately to a final diagnosis.

CO14: Provide a pathology report with final diagnosis and communicate effectively about it with the contributing clinician.

CO15: Read, interpret, and critically evaluate the oral and maxillofacial pathology literature.

CO16: Communicate effectively and sensitively with patients, care-givers, colleagues, clinicians, surgeons and the public in a manner that will improve health care outcomes.

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PEDIATRIC AND PREVENTIVE DENTISTRY

Postgraduate Program Outcome

- PO1 - Understanding normal and abnormal form and function of the human body in relevance to the pediatric population
- PO2 - Assessment of children's physical, mental and dental health and risk factors, diagnose a disease condition based on detailed history, clinical examination and interpretation of lab investigations and radiographs
- PO3 - Planning a comprehensive treatment protocol according to child's attitude and behaviour towards dentistry and dental health care needs
- PO4 - Propose a behaviour management technique (non pharmacological or pharmacological) suitable to the child's behavioural pattern towards quality dental treatment
- PO5 - Guiding parents and children towards prevention of dental diseases through diet counselling, oral health education and also towards traumatic dental injuries
- PO6 - Provide emergency as well as long term management at the event of traumatic dental injuries
- PO7 - Mastery and competency in skills using advanced restorative techniques based on a meticulous knowledge of materials science and metallurgy.
- PO8 - Provide preventive treatment against dental diseases including caries and malocclusion
- PO9 - Effectively treating dental problems in pediatric patients who are medically compromised, physically challenged and special children
- PO10 - Administration of local anesthetics, dental extractions and performing minor surgeries
- PO11 - Intercept deleterious oral habits and treat pediatric patients at risk of developing malocclusion along with growth modifications when necessary
- PO12 - Application of recent trends and advanced treatment modalities and approaches during pediatric dental practice
- PO13 - Follow social values while treating pediatric patients and instilling positive dental attitude in patients & parents
- PO14 - Respect child patients rights and privileges including their right to information and prevent identify and report child abuse and neglect

SRI SIDDHARTHA DENTAL COLLEGE AND HOSPITAL

AGALAKOTE, B.H.ROAD, TUMKUR-572107, KARNATAKA.

Recognized by Dental Council of India, NEW DELHI

A Constituent College of Sri Siddhartha Academy of Higher Education (Deemed-to-be-university) Accredited 'A' Grade by NAAC

Phone No: / Fax No: 0816-2275536

Web: www.ssdctumkur.org

Email: ssdctumkur@gmail.com

Postgraduate Course outcome

- CO1 - Should attain theoretical knowledge on assessment of a child's physical and mental health
- CO2 - Should gain theoretical knowledge on analysing pediatric patient's behavior and attitude towards dental treatments by understanding their psychological and cognitive development
- CO3 - Should acquire theoretical knowledge on various behaviour management techniques like non-pharmacological and pharmacological methods including sedation and general anesthesia
- CO4 - Should obtain theoretical knowledge on managing pediatric patients who require special health care needs
- CO5 - Develop the understanding of dental caries disease dynamics, role of primary and secondary factors contributing to disease initiation and progression, the hypothesis involved in etio-pathogenesis of dental caries and epidemiology of dental caries
- CO6 - Should acquire clinical skills in performing efficient restorative treatments with essential cements and adhesives in typodont models
- CO7 - Should gain clinical and lab skills in fabrication of removable and fixed space maintainers, habit breaking appliances and removable orthodontic appliances in dental cast models
- CO8 - Should acquire theoretical knowledge on normal growth and development of humans, jaws and related structures; understanding growth spurts and growth prediction.
- CO9 - Clinically assess caries risk for pediatric patients, clinical skills to place Preventive resin restoration and atraumatic restorations
- CO10 - To formulate a diet diary and have the ability to counsel parents and patient for caries prevention emphasis on fluoride therapies, physical and chemical plaque control methods.
- CO11 - Should have skills to assess growth changes and provide appliances that help in growth modification and treat full-fledged malocclusions
- CO12 - Gain clinical skills in inducing sedation using nitrous oxide - oxygen sedation, intra nasal sedation, IV sedation and oral sedation
- CO13 - Acquire knowledge on drugs used for induction, maintenance and recovery in general anesthesia, planes of anesthesia and complications of general anesthesia
- CO14 - Understand the theoretical aspects of Strip crowns, Figaro crowns, zirconia crowns in primary dentition, stainless steel crowns, jacket crowns in permanent dentition
- CO15 - Acquire clinical skills in diagnosing deep carious lesions and management

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with pulp therapy emphasis on using endodontic microscopes,

CO16 - Acquire clinical skills in performing emergency management for traumatic dental injuries with emphasis on management of Avulsion.

CO17 - Acquire theoretical view on bleaching, micro and macro abrasions

CO18 - Understanding the concept of Research Methodology, Biostatistics and manuscript writing

CO19 - Attain knowledge about local anesthesia and skill in mastering giving different local anesthetic techniques, with management of its subsequent side effects and management. With mastering techniques in extraction of primary and permanent teeth.



Principal

Sri Siddhartha Dental College
Agalakote, B.H.Road, Tumkur-572107