



2.3.5 The teaching learning process of the institution nurtures creativity, analytical skills and innovation among students

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CERTIFICATE OF THE HEAD OF THE INSTITUTION





TO WHOMSOEVER IT MAY CONCERN

This is to Certify that the teaching learning process of the institution nurtures creativity, analytical skills and innovation among students

PRINCIPAL

Dr. GIRISH KATTI M.D.S.
PRINCIPAL
NAVODAYA DENTAL COLLEGE
RAICHUR-584 103.





APPROPRIATE DOCUMENTARY EVIDENCE



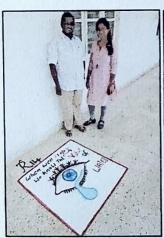


1. CREATIVITY:



















INTRA COLLEGE COMPETITIONS- RANGOLI Dr. GIRISH KATTI M.D.S. PRINCIPAL NAVODAYA DENTAL COLLEGE RAICHUR-584 103.









INTRA COLLEGE COMPETITIONS- FACE PAINTING

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INTRA COLLEGE COMPETITIONS- FRUIT AND VEGETABLE CARVING

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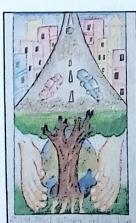
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PENCIL SKETCH PUBLISHED IN NECTAR MAGAZINE

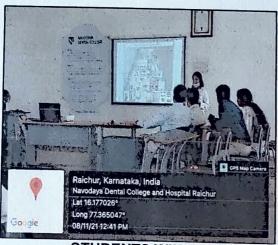
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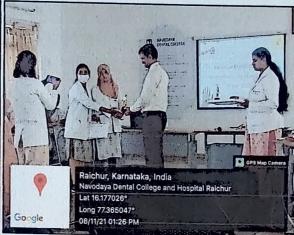
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STUDENTS WINNING PRIZES FOR CREATIVE PERFORMANCE



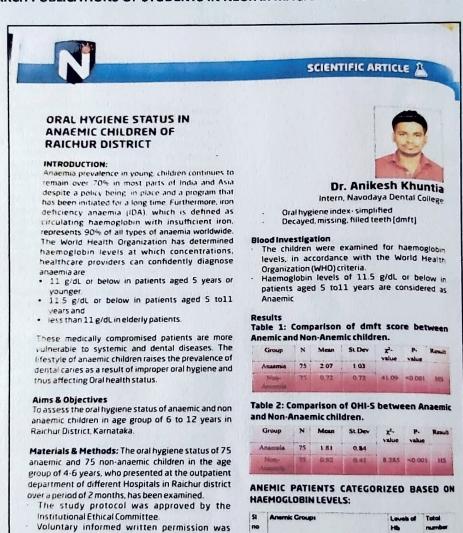






2. INNOVATIONS:

RESEARCH PUBLICATIONS OF STUDENTS IN NECTAR MAGAZINE AND OTHER JOURNALS



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obtained from the study participants after

explanation of the nature of the study.

The oral health status was evaluated by various

indices which includes:

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INVENTION IN AGRICULTURE

Agriculture is the cultivation and breeding of animals and plants to provides food, fiber medicinal plants and other products to sustain and enhance life Agriculture was the key development in the rise of secentary human civilization, where by farming of domesticated species created food supplies that enabled people to live in cities.

The study of agriculture is known as agricultural science

inventions in agriculture are

- 1 Machine makes planting a breeze
- 2 Farmbot genesis
- 3 Nano farm
- 4 Zero gravity plant growth system

How the paper pot transplants turns of work into minutes?



The paper pot transplanter allows a single person to transplant 264 plants covering over 8511 in just minutes. What used to take hours, now takes minutes. Forget spending hours bending over a bed transplanting plugs one by one. That's an inefficient waste time which puts a lot of wear and tear on your body week after season and season. Transplant those same seedlings standing vertically walking down the bed with the paper pot transplanter.



Dr Parimala R. Intern Navodaya Dental College

How does the paperpot work?



A chain consisting of paper boxes is stretched on a planting frame, before being filled with soil and seeds. This chain is then planted directly into the ground by the paperpot, autonomously, without electricity or gasoline, just by pulling it. The paperpot transplant can be used on a vareity of crops from salad greens to onions to radish to peas and beans. It decreases crop loss by get transplants into the ground and watered exponentially faster cutting down, heat stress and transplant shock.

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CASE REPORT

A Questionnaire Survey on Forensic Odontology: Are We Really Aware?



Miss. Aishwarya Jain Navodaya Dentai College, Raichur



Miss. Divva Mundada 3rd year BOS. Navodaya Dental College, Raichur

Introduction:

Forensic is a Latin word 'Forensic' meaning "Pertaining to the forum" & Odontology refers to the "Study of teeth and in effect denotes dentistry". The Dentist plays a small yet significant role in crime investigation through the specialty known as FORENSIC ODONTOLOGY.

FORENSIC ODONTOLOGY is the branch of dentistry which in the interest of justice, deals with proper handling and examination of dental evidence. It primarily deals with Post-Mortem identification, based on recognition of unique features present in an individual's oral structures. Plays a major role in identification of Man made/Natural disasters that may not be identifiable through conventional methods such as visual recognition/even finger prints.

There have been numerous instances over the last two millennia in which dental remains played a major role in identification of deceased individual. Elaborate dental records including radiographs & spare crowns identified the body of ADOLPH HITLER, probably the most publicized case of Post-Mortem dental identification



In India, dentists are less involved in forensic circumstances because of lack of training, experience, exposure etc., Thus, their knowledge is constantly updated but their level of interest about forensic is dubious

Keeping this as the background, the survey was undertaken to evaluate the awareness. knowledge and interest of forensic odontology among the Dental teaching Faculty and PGs of Dental colleges within Raichur, Karnataka.

Materials and Methods:

A questionnaire based cross-sectional survey was conducted among 60 Dental teaching staff and P at Raichur city A 10 item structured questionnaire was used to assess the

awareness and knowledge about forensic odontology and its application. The answers received were tabulated and data was analyzed



Navodaya Dental College Raichur





SCIENTIFIC ARTICLE A

APEXUM: THE MAGIC WAND IN ENDODONTICS



Dr. Sahana M Jain Intern Navodaya Dental College.



Post Graduate, Department of Conservative & Endodontics Navodaya Dental College, Raichur

Apical periodontitis is a condition involving infection and inflammation of the tissue surrounding the apex of the tooth This condition often results due to carious involvement of a tooth and the progression of these microbes from the pulp space extruding beyond the apex of the tooth. The most widely followed treatment of such lesions involve root canal therapy of the infected tooth, followed by a medicated dressing . However, complete healing in such cases often takes several months. The new Apexum procedure (Apexum Ltd, Or-Yehuda, Israel) is based on a minimally invasive removal of periapical chronically inflamed tissues through a root canal access. This results in an augment in the healing kinetics of periapical lesions. They extrude beyond the apex of the tooth, into the area of inflammation. and help in controlled debridement by mincing the infected tissue in a slow and effective manner.

APEXUM

The New Apexum procedure (Apexum Ltd. Or-Yehuda, Israel) is based on a minimally invasive removal of periapical chronically inflamed tissues through a root canal access Apexum procedure (a novel method that allows for the removal or debulking of periapical tissues without using scalpels, periosteal elevators, or sutures) results in a significant less postoperative discomfort or pain than conventional root canal treatment or than reported for conventional apical surgery. The removal or debulking of the periapical inflamed tissues, using the Apexum procedure, seems to enhance healing kinetics with no adverse events.





This is a new approach for treating periapical lesions. It is designed as a complimentary step after the standard root canal treatments. Periapical lesions are found in 20 to 60 percent of all dental patients. At present, periapical lesions are treated by conventional root canal treatment only, without directly addressing the issue of lesions specifically. The apexum procedure is applied upon the completion of root canal cleaning and shaping where by an apical patency upto a number 30 file is achieved creating a passage to periapical area. Then an apical stop is made by using a number 40 file positioned at about 1mm coronal to the apex, thus creating an apical stop.

The apexum kit includes two ablators, they are

- 1. Apexum coarse Apexum NiTi Ablator) and
- 2 Apexum fine (Apexum PGA Ablator).

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Dr. GIRISH KATTI MDS







Available online at http://www.journalijest.com

International Journal of Current Science and Technology Vol.7, Issue, 2(4), pp. 685-687, February, 2019



RESEARCH ARTICLE

ANALYSIS OF STRESS LEVELS OF DENTAL STUDENTS USING ELISA BASED SALIVARY CORTISOL LEVELS AND COMPARING WITH SMART PHONE S-HEALTH SENSOR

Santosh Hunasgi, Anila Koneru., Anand Kumar Harwalkar., Vanishree M and Saraswati Hugar

Department of Oral and Maxillofacial Pathology, Navodaya Dental College and Hospital Raichur, 584103

ARTICLE INFO

Article History:

Received 4th November, 2018 Received in revised form 25" December 2018 Accepted 18th January, 2019 Published online 28th February, 2019

Heart rate, oxygen saturation, stress levels, salivary corrisol

ABSTRACT

Background: Stress in students during examination is always associated with high levels of anxiety

Salivary cortisol is used as a homarker to assess stress levels. The aim of the present study is to evaluate Salivary Cortisol levels and also recording and analyzing the heart rate, oxygen saturation and stress in dental students using the sensor and S-Health software provided in the smart phone. Materials and Methods: The study is carried out on 40 BDS students, who areappearing for their university practical oral examination. Their average age ranged between 22-25 years. The concentration of coetisol in the saliva (µg dl) is determined by using a salivary enzyme linked immunoussay (ELISA) kit Subjects are evaluated for two times, one during relaxed state and another during stressed state literal rate, assent as left and the link and the literal rate assent polytects are little and another during stressed state learn rate, assent polytects are little and another during stressed state learn rate, assent polytects are little and another during stressed state learn rate assent polytects are little and another during stressed state learn rate assent polytects. during stressed state Heart rate, oxygen saturation and stress levels will be measured using Smart e S-III.ALTH sens

Results: Salivary Cortisol levels at relaxed state were 4.4950+2.22422 and at stressed state were 5.4025+2.51034. Heart rate at relaxed state was 100.42+15.20777 and at stressed state were 103.88 *15.53465 Oxygen saturation was almost normal both at relaxed state stressed state Maximum number of subjects in relaxed state showed low levels of stress and in stressed state showed high levels of stress. Comparison of Salivary Corusol levels. Heart rate, oxygen saturationand stress levels between relaxed and stressed state showed no statistical significance.

Conclusion: Advantage from this study to the society is once the stress levels are recognized by self-

assessment skills for stress resistance should be implemented. An efficient relaxation program as well as counselling services with meditation programs, and regular yoga should be done to enhance their academic performance

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INTRODUCTION

Stress in students during examination is always associated with high levels of anxiety. Salivary Cortisol is used as biomarker to assess stress levels. The dental undergraduate course has often been described as one of the highest and most demanding of courses. It has been reported that dental students express significant stress symptoms during examination and are more anxious showing higher levels of depression. I

Previous studies have found that examinations and the pressure of clinical training are among the most important causes of stress in dental students. During university examination psychophysiological and autonomic reactions follow such as a freezing response, the fight or flight response or the alarm or stress response 2. Typical physiological changes occur in anticety states such as increased heart rate, elevated pulse volume, enhanced tonic and phasic skin conductance, a galvanic skin response, or the stimulation of production of different hormones like catecholamine, adrenocomeotropin,

Corresponding author: Santosh Hunasgi

Department of Oral and Maxillofacial Pathology, Navodaya Dental College and Hospital Raichur, 584103

cortisol, prolactin, and thyroxin. Hardly any studies have been done evaluating stress using S-health software present in smart phone which works on skin conductance 3, 4

Therefore this study aims to evaluate Salivary Cortisol levels and also use a technology for recording and analyzing the heart rate, oxygen saturation and stress in dental students using the sensor and S-Health software provided in the smart phone during their university practical oral exam and compare between both the methods.

MATERIALS AND METHODS

Subjects will be assessed for stress parameters and Salivary Cortisol levels at two times. One in the relaxed state (with no examinations in preceding two weeks and coming two weeks) and another in the pressed state (on the day of University practical oral examples on).

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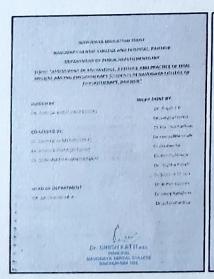


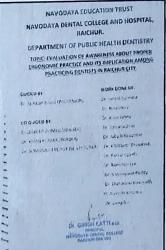
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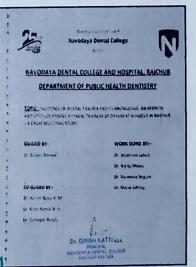
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SURVEY PROJECTS DONE IN INTERSHIP







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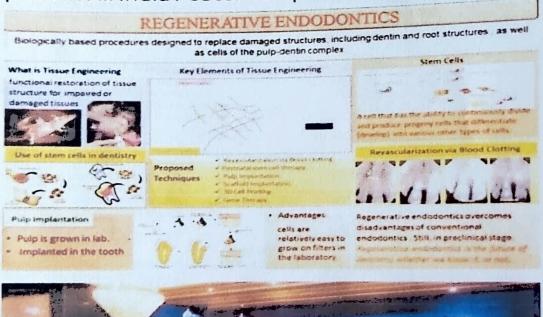




PAPER AND POSTER PRESENTATIONS

Regenerative Endodontics

Sumana Nemakal, Intern, Navodaya Dental College, Raichur. Guided by Dr. Snehalata patil, Dept of conservative and Endodontics, Navodaya Dental College, presented a poster in 71st Indian Dental Conference, Bhubaneswar and got third prize in All India Poster Competition (AIPC).





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RAICHUR-584-103.



Navodaya Dental College







Paper Presentation

Venue. 19th IACDE-IES PG Convention 2018

Gulbarga, Karnataka

Date 16th to 18th February 2018

Topic Paper Presentation on "To Compare & Evaluate occlusal and cervical micro leakage in Class 2 Cavities with three different

in Class 2 Cavities with three different composites using confocal microscope- An Invitro Study

Presented By. Dr Anand Yadav, 2st Year PG

Paper Presentation

Venue: 19th IACDE-IES PG Convention 2018

Gulbarga, Karnataka

Date: 16th to 18th February 2018

Topic Paper Presentation on "To Compare & Evaluate the efficacy of post endodontic pain relief with NSAID's (Ibuprofen & Keteroi

pain relief with NSAID's (IBUPROTER & Reteror Tromethamine) and Herbal Extract (Spiolanthes Acmella) using VAS (Visual Analog Scale)- An In vivo Study

Presented By Dr Rohit Chadha, 2st Year PG

Poster Presentation

Venue:

19th IACDE-IES PG Convention 2018

Gulbarga, Karnataka

Date: Topic: 16th to 18th February 2018

Topic:

Poster Presentation on Digital Smile Design

Presented By Dr Anjali Jayaraj, 1st Year PG

Paper Presentation

Venue:

15th ISPPD National PG Convention PedoGuide 2018, Vadodara, Gujrat

Date

8th to 10th February 2018

Topic

Poster Presentation on Comparative Evaluation of Apically Extruded debris during root canal

preparation using rotatory & Hand files

Presented By: Dr Ambika Nandani, 2nd Year PG

Table Clinic

Venue:

15th ISPPD National PG Convention PedoGuide 2018, Vadodara, Gujrat

Date:

8th to 10th February 2018

Tapic.

Table Clinic on Painless balloon medicines in paediatric Dentistry

Presented By: Dr Ankita Khandelwal, 1st Year PG

Dr Karthika Menon, 1st Year PG

Dr Rohith R Koppalkar, 1st Year PG

Oral paper presentation -

a Cytological grading of Breast carcinoma on Fine needle aspiration cytology with histopathological Correlation presented by Dr Colauthors - Dr Trupti V Katti, Dr A S Anand, Dr Tejeshwini P, Dr Ashraf A Z and Dr Namitha H, At KAPCON, 44th KCIAPM State conference at SSIMS, Davangere from 30th, Aug-1st Sep 2017.

b Granulomatous Mastritis -A Masquerading Entity. By Dr Chitra Singh. Co authors - Dr Kajal B P and Dr Tejeshwini Patril At KAPCON, 44th KCIAPM State conference at SSy1S. Davangere from 30th Aug-1st Sep 2017

Dr. GIRISH KATTI M.D.S.

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SCIENTIFIC PRESENTATION

PAPER PRESENTATION



A Smart Talk on Topic Implants in Esthetic Zone Title Asian Congress of Oral Implantologists, Hyderabad Venue

Date

Dr Devarathnamma M.V. Lecturer, Department of Periodontics, Navodaya Author

Dental College

Venue Date Author Significance of Micronuclei in Buccal Smears of Mobile Phone Users

71" Indian Dental Conference, Bhubaneshwar

9" to 11" February, 2018.

Title:

Title

Venue

Guided by:

Dr. Syed Jaffar Mohiuddin Quadri, Intern. Navodaya Dental College, Raichur

Guided by Dr Vanishree M, Vice Principal, Navodaya Dental College, Raichur

Dr. Anila, Reader, Department of Oral Pathology, Navodaya Dental College



Oral Hygiene Status in Anemic Children of Raichur District 71 Indian Dental Conference, Bhubaneshwar. Venue

Date: 9" to 11" February, 2018. Dr. Anikesh Khuntia, Intern, Navodaya Dental College, Raichur Author

Dr. Santosh H. Principal, Navodaya Dental College, Raichur Dr. Anila, Reader, Department of Oral Pathology, Navodaya Dental College,

Title Venue Date: Author

3-D Printing Accelerating the Pace of Change of Dentistry

71" Indian Dental Conference, Bhubaneshwar.

9" to 11" February, 2018

Dr. Sushmita Yarlagadda, Intern, Navodaya Dental College, Raichur. Guided by: Dr. E. Srinivas Reddy, Professor, Department of Prosthodontics,

Navodaya Dental College, Raichur





Periodontio-Integrated Implants: A Revolutionary Arrival (Ligaplant)

71" Indian Dental Conference, Bhubaneshwar.

Date: 9" to 11" February, 2018.

Author Dr. Srinidhi Mundlamuri, Intern, Navodaya Dental College, Raichur Guided by:

Dr Devarathnamma, Lecturer, Department of Periodontics, Navodaya Dental

POSTER PRESENTATION



Title: Stem Cells- Fantasizing the Future Venue

71" Indian Dental Conference, Bhubaneshwar 9" to 11" February, 2018 Date:

Author

Dr. P. Priyanka Reddy, Intern, Navodaya Dental College, Raichur.

Or Devarathnamma, Reader, Department of Periodontics, Navodaya Dental

Venue

Guided by

Regenerative Endodontics

71" Indian Dental Conference, Bhubaneshwar 9" to 11" February, 2018 Date:

Author.

Dr. Sumana Nemakal. Intern. Navodaya Dental College. Raichur Dr Snehalata Patil, Lecturer, Department of Conservative & Endodontics

Navodaya Dental College, Dr. Ramesh Goud, Lecturer, Department of

Orthodontics, Navodaya Dental College



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3. ANALYTICAL SKILLS:

CLINICAL SKILLS





LABORATORY SKILLS







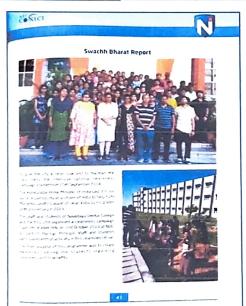




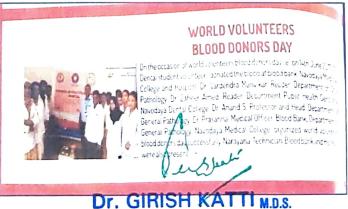
STUDENTS PARTICIPATION IN RALLY, CDE, CONFERENCES AND WORKSHOPS











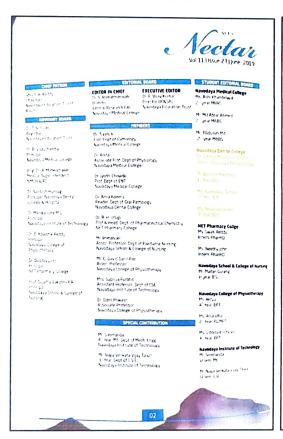


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