



DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

(Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, Bangalore)
(Recognised by Dental Council of India, New Delhi)
ISO 9001 : 2008 Certified Institution

INSTITUTIONAL REVIEW BOARD

Research Development and Sustenance Committee Minutes

Research development and sustenance decided to meet on 31/10/18 at 9:30 am at CIL building DSI in order to scrutinize the research synopses submitted by the post graduates and faculty.

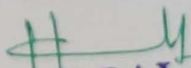
This was duly communicated to all the members of the committee 15 days prior to the meeting.

On the scheduled day, the meeting began at 9:45am. It was chaired by Dr. Hemanth.M and the member secretary Dr. Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs.

| Sl.no | Names | Designation |
|-------|---------------------------|---------------------|
| 1 | Dr. Praveen B.N | Professor and Head |
| 2 | Dr. Chaya M David | Professor and Head |
| 3 | Dr. Manasa. Anand. Meundi | Professor |
| 4 | Dr. Manjunath.P.Puranik | Professor and Head |
| 5 | Dr. Nagesh L | Professor and Head |
| 6 | Dr. Smitha B Kulkarni | Reader |
| 7 | Dr. Kavitha Prasad | Professor and Head |
| 8 | Dr. Shobha E.S | Professor and Head |
| 9 | Dr. Prashanth N.T | Associate Professor |
| 10 | Dr. Ramesh Choudhary | Professor |
| 11 | Dr. Kalpana D | Professor and Head |

Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore - 560 078.
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Dayananda Sagar College of Dental Sciences
Kumaraswamy Layout,
Bangalore - 560 078

| | | |
|----|------------------------|------------------------|
| 12 | Dr. Sreeharsha T.V | Reader |
| 13 | Dr. Meena N | Professor |
| 14 | Dr. Roopa R Nadig | Dean, Prof. & Head |
| 15 | Dr. Vedavathi B | Professor |
| 16 | Dr. Kumar N.C | Professor |
| 17 | Dr. Gargi S Murthy | Reader |
| 18 | Dr. Joann Pauline | Professor |
| 19 | Dr. Savita A.M | Professor and Head |
| 20 | Dr. Sunil S | Associate professor |
| 21 | Dr. Akshai Shetty | Professor |
| 22 | Dr. Hemanth M | Principal, Prof & Head |
| 23 | Dr. Karthik J Kabbur | Professor |
| 24 | Dr. Kavitha Rao | Professor and Head |
| 25 | Dr. Krishnanand Setlur | Professor and Head |
| 26 | Dr Ravi Shirahatti | Professor and Head |

The post graduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members.

The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the research methodologist and statistics expert for the methodological and statistical issues. Subject experts reviewed the subject related issues.

A total of 25 synopses were scrutinized for scientific integrity. The details are given below:

| | |
|---|--------------------------|
| 1 | 22 Dissertation synopsis |
| 2 | 1 Term paper |
| 3 | 2 Faculty studies |

| Sl.no | Title | Investigators | Subject | Guide/Co guide |
|-------|---|--------------------|-----------------------------|--|
| 1 | EVALUATION OF SUBMUCOSAL CHANGES IN HABITUAL ARECA NUT CHEWERS AND IN ORAL SUBMUCOUS FIBROSIS PATIENTS:AN ULTRASOUND STUDY | Dr. SONIKA K V | Oral Medicine and Radiology | Dr.Chaya M David/ Dr.Namitha Jayapal |
| 2 | HUMAN AGE ESTIMATION BASED ON PULP CHAMBER VOLUME OF PERMANENT MAXILLARY CANINE USING CONE BEAM COMPUTED TOMOGRAPHY | Dr. VAISHALI | Oral Medicine and Radiology | Dr. Ramnarayan.B.K/ Dr.Manasa. Anand. Meundi |
| 3 | COMPARATIVE ASSESSMENT OF SALIVARY OXIDATIVE STRESS, ANTIOXIDANT ACTIVITY AND PSYCHOLOGICAL STRESS BETWEEN ORAL LICHEN PLANUS PATIENTS AND HEALTHY CONTROLS | Dr. NANCY.R. | Oral Medicine and Radiology | Dr.Namitha Jayapal/ Dr.Chaya.M.David |
| 4 | ORAL MANIFESTATIONS OF TYPE 1 AND TYPE 2 DIABETES PATIENTS :A DESCRIPTIVE STUDY | Dr.M.BALAJI GANESH | Oral Medicine and Radiology | Dr.Chaya M David/ Dr.Mahesh D R |
| 5 | COMPARATIVE EVALUATION OF CARIES EXPERIENCE, GINGIVITIS AND ORAL HYGIENE STATUS IN OBESE, OVERWEIGHT AND NORMAL WEIGHT 12-15 YEAR OLD | Dr.ASHITHA ALEX | Public Health Dentistry | Dr.Nagesh L / Dr. Nithin N Bhaskar |

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| | ADOLESCENTS IN BANGALORE CITY-A CROSS SECTIONAL STUDY | | | |
| 6 | ASSESSMENT OF OPTIMAL DENTAL IMPLANT LENGTH AND DIAMETER IN DIFFERENT QUALITIES OF BONE USING 3 DIMENSIONAL FINITE ELEMENT ANALYSIS | Dr.VISHAKHA AGARWAL | Oral and Maxillofacial Surgery | Dr.Prashanth.N.T/ Dr.Vinod Rangan |
| 7 | COMPARATIVE EVALUATION OF ANESTHETIC EFFICACY, DIFFUSION PROPERTY AND HAEMODYNAMIC CHANGES WITH BUCCAL INFILTRATION OF 4% ARTICHAINE WITH 1:100000 EPINEPHRINE VERSUS 0.75% ROPIVACAINE IN PATIENTS UNDERGOING DENTAL EXTRACTIONS - A SPLIT-MOUTH, RANDOMIZED, DOUBLE BLINDED TRIAL | Dr.SHAURYA VERMA | Oral and Maxillofacial Surgery | Dr.Shobha.E.S/ Dr.Vinod Rangan |
| 8 | A COMPARATIVE EVALUATION OF SURFACE ROUGHNESS, COLOR STABILITY AND MICROHARDNESS IN TWO COMMERCIALY AVAILABLE PROVISIONAL CROWN AND BRIDGE MATERIAL- AN IN VITRO STUDY | Dr. NADIRA JABEEN S | Prosthodontics and Crown & Bridge | Dr.Kalpana.D/ Dr.Smitha Sharan |
| 9 | EVALUATION AND COMPARISON OF STRESS DISTRIBUTION AT THE IMPLANT ABUTMENT JUNCTION, CRESTAL AND PERI IMPLANT BONE REGION OF STRAIGHT AND ANGULATED TITANIUM AND BioHPP PEEK ABUTMENT ON IMMEDIATE AND DELAYED | DR. ITI BADOLA | Prosthodontics and Crown & Bridge | Dr. Sreeharsha.T.V / Dr.Smitha Sharan |

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| | LOADING: A THREE DIMENSIONAL FINITE ELEMENT ANALYSIS. | | | |
| 10 | EFFECT OF PERIODONTAL DISEASE ON HEART RATE VARIABILITY- AN EXPLORATORY RANDOMISED CONTROLLED TRIAL | Dr. ARCHANA.R .NAIK and Dr.MOHAMMED NIZAM | Periodontics | |
| 11 | COMPARATIVE EVALUATION OF CHITOSAN GRANULES IN THE TREATMENT OF MANDIBULAR DEGREE II FURCATION DEFECTS – A RANDOMISED CONTROLLED SPLIT MOUTH MULTICENTRIC TRIAL. | Dr. PRERANA GOPAL KRISHNA | Periodontics | |
| 12 | EVALUATION OF CLINICAL AND ANTIMICROBIAL EFFICACY OF CHITOSAN NANOPARTICLE GEL (1%) AS A LOCAL DRUG DELIVERY IN CHRONIC PERIODONTITIS PATIENTS- A RANDOMISED CONTROLLED SPLIT MOUTH TRIAL. | Dr.NAGESWAR AN.G.R | Periodontics | Dr.Savita.A.M/ Dr.Archana.R. Naik |
| 13 | COMPARATIVE EVALUATION OF ANTI-PLAQUE AND ANTI-INFLAMMATORY EFFICACY OF MOMORIDCA CHARANTIA AND 0.2% CHLORHEXIDINE GLUCONATE MOUTHWASHES IN PATIENTS WITH GINGIVITIS: A DOUBLE BLIND RANDOMIZED CONTROL TRIAL | Dr. TEJASHWINI ANNIGERI | Periodontics | Dr.Sunil Satyanarayana/ Dr.Savita.A.M |
| 14 | COMPARATIVE EVALUATION OF SCALING AND ROOT PLANING ON RED COMPLEX BACTERIA WITH | Dr. VARSHA VENUGOPALAN | Periodontics | Dr.Savita.A.M |

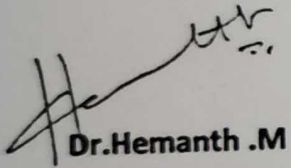
| | | | | |
|----|--|----------------------|--|-------------------------------------|
| | AND WITHOUT MAGNIFICATION- A PILOT STUDY | | | |
| 15 | STRESS DISTRIBUTION PATTERN OF ENDODONTICALLY TREATED SINGLE ROOTED LOWER PREMOLARS RESTORED WITH DIFFERENT EDELWEISS POST SYSTEMS: A FINITE ELEMENT ANALYSIS | Dr. PARVATHY P | Conservative Dentistry & Endodontics | Dr. Vedavathi.B |
| 16 | ANTIBACTERIAL EFFICACY OF NISIN AND CALCIUM HYDROXIDE IN COMBINATION WITH CHITOSAN AS AN INTRACANAL MEDICAMENT AGAINST ENTEROCOCCUS FAECALIS - AN INVITRO STUDY. | Dr.HARSHITHA V S | Conservative Dentistry & Endodontics | Dr.Ranjini.M.A |
| 17 | EVALUATION OF IMMEDIATE AND DELAYED PUSH OUT BOND STRENGTH OF APICAL PLUG OF MTA MIXED WITH 2% CHITOSAN NANOHYDROGEL: AN IN- VITRO STUDY | DR.URVASHI TANWAR | Conservative Dentistry & Endodontics | Dr.Roopa.R.Nadig |
| 18 | EVALUATION OF FRACTURE RESISTANCE OF ENDODONTICALLY TREATED PREMOLARS RESTORED WITH VARIOUS EDELWEISS POST SYSTEMS-AN INVITRO STUDY | Dr.SAEEDA PATEL | Conservative Dentistry & Endodontics | Dr.Roopa.R.Nadig/ Dr.Vedavathi.B |
| 19 | COMPARATIVE EVALUATION OF IMMEDIATE AND 6 MONTHS MICROTENSILE BOND STRENGTH OF 0.2% CHITOSAN INCORPORATED | Dr.SAUMYA WALIA | Conservative Dentistry & Endodontics | Dr.Veena Pai |

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| | COMPOSITE WITH TOTAL ETCH AND SELF ETCH BONDING SYSTEMS- AN INVITRO STUDY | | | |
| 20 | EVALUATION OF MICROLEAKAGE OF CHITOSAN NANO HYDROGEL INCORPORATED MTA AND GLASS IONOMER CEMENT WHEN USED AS A RETROGRADE FILLING MATERIAL : AN IN VITRO STUDY | Dr. SURYAVANSHI VINAYKUMAR G | Conservative Dentistry & Endodontics | Dr.Swapna.D.V |
| 21 | EVALUATION AND COMPARISON OF STRESS AND DISPLACEMENT USING SLOW AND RAPID MAXILLARY EXPANSION IN CLEFT PALATE - A THREE DIMENSIONAL FINITE ELEMENT STUDY | Dr.SUJINA SUDARSANAN | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/ Dr.Jayaprasad Darsan |
| 22 | A NOVEL METHOD USING 3D CBCT TO ASSESS ANTERIOR MALAR PROMINENCE AMONG NATIVE BANGALORE POPULATION-A DESCRIPTIVE STUDY | Dr. SANDA. AAMANI | Orthodontics and Dentofacial Orthopedics | Dr.Sharmada.B.K/ Dr.Hemanth.M |
| 23 | DESIGN AND VALIDATION OF AN UPRIGHTING SPRING FOR CORRECTION OF DISTALLY TIPPED CANINE DURING ANTERIOR ALIGNMENT -AN FINITE ELEMENT STUDY | Dr. B R SHREYA | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/ Dr.Fatima Khalidi |
| 24 | RELATIONSHIP OF SALIVARY LEPTIN AND CERVICAL VERTEBRAE MATURATION INDICATOR IN FEMALE PATIENTS OF AGE 8 TO 18 YRS- A CROSS SECTIONAL STUDY | Dr. Theresa Mathew | Orthodontics and Dentofacial Orthopedics | Dr.Karthik j kabbur/ Dr.Hemanth.M |

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| 25 | ASSESSMENT AND COMPARISON OF THE RATE OF ANTERIOR TEETH RETRACTION WITH TWO DIFFERENT CORTICOTOMY TECHNIQUES: A SPLIT MOUTH RANDOMIZED CONTROL TRIAL. | Dr. PRAKRUTHI S N | Orthodontics and Dentofacial Orthopedics | Dr.Karthik J Kabbur/ Dr.Hemanth.M |

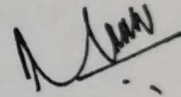
The meeting closed by 5:45pm.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students, faculty and their respective guides with a clear instruction to do the necessary correction and resubmit the same.



Dr.Hemanth .M
CHAIRPERSON
RD&SC
DSCDS

Chairperson
Research Development & Sustenance Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.



Dr. Nagesh.L
MEMBER SECRETARY
RD&SC
DSCDS

Member Secretary
Research Development & Sustenance Committee
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INSTITUTIONAL REVIEW BOARD

Institutional Ethical Committee Minutes

Institutional ethical committee decided to meet on 20/11/18 at 10:30 am at seminar hall, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty.

This was duly communicated to all the members of the committee 15 days prior to the meeting.

On the scheduled day, the meeting began at 10:45 am. It was chaired by Dr.Murugan.V and the member secretary Dr.Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|----------------------------|---|--------------------------|
| Chairperson | Dr. Murugan V, Principal, DSU, College of Pharmaceutical Sciences | Pharmaceutical Chemistry |
| Member Secretary | Dr.Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr. Subramanya Prasad | NA |
| Social scientist | Mr. Srinivasan | PG Director, DSCE |
| Basic medical scientist | Dr. Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Pharmacologist | Dr.Geetha KM Prof. & Head | Pharmacology, DSI |
| Lay person | Mrs. Sangeetha | NA |

The post graduate students were instructed to give 5mins presentation on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity.

A total of 25 synopses were scrutinized. The details are given below:

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| | AND ORAL HYGIENE STATUS IN OBESE, OVERWEIGHT AND NORMAL WEIGHT 12-15 YEAR OLD ADOLESCENTS IN BANGALORE CITY-A CROSS SECTIONAL STUDY | | | |
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| 13 | COMPARATIVE EVALUATION OF ANTI-PLAQUE AND ANTI-INFLAMMATORY EFFICACY OF MOMORIDCA CHARANTIA AND 0.2% | Dr. TEJASHWINI ANNIGERI | Periodontics | Dr.Sunil Satyanarayana/ Dr.Savita.A.M |

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| | CHLORHEXIDINE GLUCONATE MOUTHWASHES IN PATIENTS WITH GINGIVITIS: A DOUBLE BLIND RANDOMIZED CONTROL TRIAL | | | |
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| 17 | EVALUATION OF IMMEDIATE AND DELAYED PUSH OUT BOND STRENGTH OF APICAL | DR.URVASHI TANWAR | Conservative Dentistry & Endodontics | Dr.Roopa.R.Nadig |

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| | PLUG OF MTA MIXED WITH 2% CHITOSAN NANOHYDROGEL: AN IN-VITRO STUDY | | | |
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| 20 | EVALUATION OF MICROLEAKAGE OF CHITOSAN NANO HYDROGEL INCORPORATED MTA AND GLASS IONOMER CEMENT WHEN USED AS A RETROGRADE FILLING MATERIAL : AN IN VITRO STUDY | Dr. SURYAVANSHI VINAYKUMAR G | Conservative Dentistry & Endodontics | Dr.Swapna.D.V |
| 21 | EVALUATION AND COMPARISON OF STRESS AND DISPLACEMENT USING SLOW AND RAPID | Dr.SUJINA SUDARSANAN | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/ Dr.Jayaprasad Darsan |

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|----|---|--------------------|--|--------------------------------------|
| | MAXILLARY EXPANSION IN CLEFT PALATE - A THREE DIMENSIONAL FINITE ELEMENT STUDY | | | |
| 22 | A NOVEL METHOD USING 3D CBCT TO ASSESS ANTERIOR MALAR PROMINENCE AMONG NATIVE BANGALORE POPULATION-A DESCRIPTIVE STUDY | Dr. SANDA. AAMANI | Orthodontics and Dentofacial Orthopedics | Dr.Sharmada.B.K/ Dr.Hemanth.M |
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| 25 | ASSESSMENT AND COMPARISON OF THE RATE OF ANTERIOR TEETH RETRACTION WITH TWO DIFFERENT CORTICOTOMY TECHNIQUES: A SPLIT MOUTH RANDOMIZED CONTROL TRIAL. | Dr. PRAKRUTHI S N | Orthodontics and Dentofacial Orthopedics | Dr.Karthik J Kabbur/ Dr.Hemanth.M |

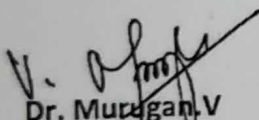
The meeting closed by 1:15pm.

Only two postgraduate students were instructed to make few corrections in their synopsis. Details are given are below:

| SL.NO | INVESTIGATOR | STUDY TITLE | COMMENTS |
|-------|---------------------------|---|--|
| 1 | Dr.TEJASHWINI ANNIGERI | COMPARATIVE EVALUATION OF ANTI-PLAQUE AND ANTI-INFLAMMATORY EFFICACY OF MOMORIDCA CHARANTIA AND 0.2% CHLORHEXIDINE GLUCONATE MOUTHWASHES IN PATIENTS WITH GINGIVITIS: A DOUBLE BLIND RANDOMIZED CONTROL TRIAL | Chlorhexidine cannot be used for 4 weeks and it can be only used for 3 weeks. Hence was instructed to conduct the study for 3 weeks. |
| 2 | Dr.NAGESWARAN.G.R | EVALUATION OF CLINICAL AND ANTIMICROBIAL EFFICACY OF CHITOSAN NANOPARTICLE GEL (1%) AS A LOCAL DRUG DELIVERY IN CHRONIC PERIODONTITIS PATIENTS- A RANDOMISED CONTROLLED SPLIT MOUTH TRIAL. | Investigator was instructed to write in detail about the nanoparticles. |

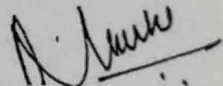
The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same.

The ethical clearance letter was issued to all the investigators.


Dr. Murugan.V
CHAIRPERSON

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**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Institutional Ethical Committee Minutes

Institutional ethical committee decided to meet on 23/01/19 at 10:00 am at seminar hall, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the undergraduate students for the ICMR funded research project.

This was duly communicated to all the members of the committee 15 days prior to the meeting.

On the scheduled day, the meeting began at 10:30 am. It was chaired by Dr. Murugan.V and the member secretary Dr. Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|-------------------------|---|--------------------------|
| Chairperson | Dr. Murugan V, Principal, DSU, College of Pharmaceutical Sciences | Pharmaceutical Chemistry |
| Member Secretary | Dr. Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr. Subramanya Prasad | NA |
| Social scientist | Mr. Srinivasan | PG Director, DSCE |
| Basic medical scientist | Dr. Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Pharmacologist | Dr. Geetha KM Prof. & Head | Pharmacology, DSI |
| Lay person | Mrs. Sangeetha | NA |

The undergraduate students were instructed to give power point presentation on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity. A total of 12 synopses were scrutinized. The details are given below:


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Kumaraswamy Layout,
Bangalore - 560 006

| Sl.no | Title | Investigators | Subject | Guide/Co guide |
|-------|---|-----------------|--|----------------------|
| 1 | "Assessment of relationship between emotional intelligence and academic performance of dental under graduate students in a dental institute in Bangalore- A cross sectional study". | Harsha Mohandas | Public Health Dentistry | Dr.Nagesh L |
| 2 | "Career perspectives among dental interns in Bangalore city- A focus group discussion" | Chaithanya S | Public Health Dentistry | Dr.Smitha.B.Kulkarni |
| 3 | Antibacterial effect of two different types of gall extracts of Quercus infectoria against Streptococcus mutans- An In vitro Study | Hemanth Kumar.S | Public Health Dentistry | Dr.Nithin.N.Bhaskar |
| 4 | Antibacterial efficacy of aqueous extract of Morinda citrifolia (Indian noni) ripe fruit on Streptococcus mutans - An invitro study | Zuwaina Khan | Public Health Dentistry | Dr. Sourabha K G |
| 5 | "Ageism among dental interns towards geriatric dental patients in Bangalore city- A Cross sectional survey". | Safa Maryam | Public Health Dentistry | Dr. Jeswin Jacob |
| 6 | Comparison of Perception of pain in Orthodontic treatment among patients with different fixed appliances- An Observational Study | Pathipati Divya | Orthodontics and Dentofacial Orthopedics | Dr. Fatima Khalidi |
| 7 | Awareness of Temporomandibular Joint Disorders among | Kruthi M.S | Orthodontics and Dentofacial Orthopedics | Dr.Sharmada |

| | | | | |
|----|--|-----------------------------|--|------------------|
| | the general Population- A KAP Study | | | |
| 8 | Perception of Patients Towards Eight Components Of Balanced Smile-A Descriptive Study | Parikeerthan.Y.P | Orthodontics and Dentofacial Orthopedics | Dr.KarthikKabbur |
| 9 | Prevalence of Oral Potentially Malignant Disorders among Adolescents and Young Adults in Bangalore City-A Descriptive Study | Rashika Rajnish Tripathi | Oral medicine and Radiology | Dr.Chaya.M.David |
| 10 | Reliability and Discrepancy of digital Orthodontics models over Manual study models-A Comparative Study | Swapnil Rastogi | Orthodontics and Dentofacial Orthopedics | Dr.Darsan |
| 11 | Effects of Fixed Orthodontic Treatment on Salivary pH,level of Streptococcus Mutans and Lactobacillus Species and Mucosal Ulcerations- An Observational Study | Swetha Chandran | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth .M |
| 12 | Factors influencing the desire of Orthodontic Treatment -An Observational Study | Vishnu Aithal .P.B | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth .M |

The meeting closed by 1:30pm.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same. The ethical clearance letter was issued to all the investigators.

Dr.Murugan.V
CHAIRPERSON
IEC
DSCDS

V. Murugan
Chairperson
Institutional Ethical Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.

Nagesh.L
Dr. Nagesh.L
MEMBER SECRETARY
IEC
DSCDS

Member Secretary
Institutional Ethical Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Research development and sustenance minutes

As per the circular dated 01/01/2019 (RES/UG-RESEARCH/16/2018-19) by RGUHS a committee was formed by Dr.Hemanth.M, Principal to scrutinize the research proposal submitted by undergraduate students for the RGUHS short term research grants.

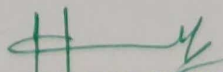
The committee decided to meet on 12/02/2019 at 10.00am at seminar room, Department of Orthodontics and Dentofacial Orthopedics, DSCDS. On the scheduled day, the meeting began at 10:15 am. It was chaired by Dr.Hemanth.M, Principal, DSCDS, Dr.Nagesh.L Professor and Head, dept. of Public Health Dentistry and Dr. Ramamurthy Professor and Head, dept. of Pathology.

The undergraduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members. The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the committee for the methodological, statistical issues and ethical issue.

A total of 8 synopses were scrutinized for scientific integrity. The details are given below

| Sl.no | Title | Investigators | Subject | Guide/Co guide |
|-------|---|-------------------------|--|---------------------|
| 1 | Comparison of serum calcium level between periodontitis subjects and healthy controls- A cross sectional study | NAVNEETH ACHARYA G A | Periodontics and Oral Implantology | Dr.Savita.A.M |
| 2 | Comparative evaluation of antibacterial efficacy of two different licorice extracts on E.Faecalis- An invitro study using Biofilm model | AMULYA M GOWDA | Public Health Dentistry | Dr.Nithin.N.Bhaskar |
| 3 | Analysis of stresses across | RASHIKA | Oral and | Dr.Shobha.E.S |


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| | | | | |
|---|---|------------------|--|-----------------------|
| | the mandible during closed method of extraction – An FEM Study | RAJNISH TRIPATHI | maxillofacial Surgery | |
| 4 | Effect of chamomile and green tea on salivary pH- A Crossover Trial | NIHARIKA R.V | Public Health Dentistry | Dr. Smitha B Kulkarni |
| 5 | A comparative study to investigate the effect of tooth extraction on bite mark registration patterns of patients who have undergone orthodontic treatment with standard arch dimensions. | S.SHIVANI | Oral pathology | Dr.Krishnanand Setlur |
| 6 | Knowledge, awareness and attitude towards Prosthodontic rehabilitation among the general population of Bengaluru city- A Cross sectional Survey | KRUTHI M.S | Prosthodontics, Crown and Bridge | Dr.Smitha Sharan |
| 7 | Child's first dental visit – Age, Reasons, Experiences, Caries status and treatment needs from a sample of children visiting a private dental college in a Bangalore City – An exploratory Survey | AISHWARYA VIJAY | Pedodontics and preventive dentistry | Dr.Gargi.S.Murthy |
| 8 | A comparative evaluation of micro-leakage in class V cavities restored with Glass ionomer cement with or without incorporation of chitosan - An in vitro study | ISHANI DAS | Conservative Dentistry and Endodontics | Roopa R Nadig |

Six undergraduate students were instructed to make few corrections in their synopsis. Details are given are below:

| Sl.no | Student name | Comments |
|-------|--------------------------|---|
| 1 | NAVNEETH ACHARYA G A | <ol style="list-style-type: none"> 1. Need for the study-justify 2. Source of healthy control 3. Pair matching or group matching?? 4. Mention which grade of periodontitis in the inclusion criteria (specify). If not possible do stratified analysis or mention as limitation for the study) 5. What about women of menopausal age included in the study? Does it have any influence on the study? |
| 2 | RASHIKA RAJNISH TRIPATHI | <ol style="list-style-type: none"> 1. Exclusion criteria no 4: Specify lower arch 2. EBD is the current trend rather than future 3. Write singular rather than plural |
| 3 | S.SHIVANI | <ol style="list-style-type: none"> 1. Mention the study period 2. If patients are not treated for 3 months post extraction, Is it ethical? 3. Write as Compare pre and post extraction data rather than comparing with standard values 4. How can you relate the study to forensic Odontology? (looks more of a Orthodontic related study) |
| 4 | KRUTHI M.S | <ol style="list-style-type: none"> 1. Redo the budget proposal |
| 5 | AISHWARYA VIJAY | <ol style="list-style-type: none"> 1. You have mentioned the aims and objectives of the study in the introduction as Goals. It is repeated in Aims and objectives column as well |
| 6 | ISHANI DAS | <ol style="list-style-type: none"> 1. Justify the need for the study 2. Mention as Convention GIC wherever required 3. Explain the random allocation procedure 4. It is not a ordinal score but it is a continuous score 5. Elaborate on dye penetration technique 6. Select cervical abrasion, abfraction, erosion teeth rather than a normal teeth |

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same.

Out of 8 research proposal the following five students were selected by the committee members to be sent to RGUHS.

1. RASHIKA RAJNISH TRIPATHI

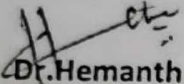
2. KRUTHI M.S

3. ISHANI DAS

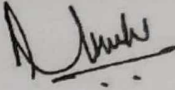
4. NIHARIKA RV

5. AMULYA M GOWDA

The meeting closed by 1.00 pm.


Dr. Hemanth .M
CHAIRPERSON
RD&SC
DSCDS

Chairperson
Research Development & Sustenance Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.


Dr. Nagesh.L
MEMBER SECRETARY
RD&SC
DSCDS

Member Secretary
Research Development & Sustenance Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
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DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

INSTITUTIONAL REVIEW BOARD

Research development and sustenance minutes

Research development and sustenance decided to meet on 23-10-19 and 24-10-19 at 9:00 am in seminar room, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty.


This was duly communicated to all the members of the committee 15 days prior to the meeting.

On both the days (23-10-19 and 24-10-19), the meeting began at 9:30am. It was chaired by Dr.Hemanth.M, the member secretary Dr.Nagesh Land Dr. Ravi Shirahatti Research Methodologist was present on both the dates. On the first day (23-10-19) department of conservative and Endodontics and department of Orthodontics presented their synopsis. On the second day (24-10-19) department of Public Health Dentistry, Oral Medicine and Radiology, Periodontics and Prosthodontics gave their presentations.

The following members attended the meeting and placed their valuable inputs.

| SL.N O | SUBJECTS | EXTERNAL EXPERTS | INTERNAL EXPERTS |
|-----------|---------------------------------|-------------------------|-------------------------------------|
| 1 | ORAL MEDICINE & RADIOLOGY | Dr.Praveen Birur N | Dr.Chaya.M.David |
| 2 | PUBLIC HEALTH DENTISTRY | Dr.Manjunath.P.Puranik | Dr.Nagesh.L Dr.Smitha B Kulkarni |
| 3 | ORAL SURGERY | Dr.Kavitha Prasad | Dr.Shobha.E.S Dr.Prashanth.N.T |
| 4 | CONSERVATIVE AND ENDODONTICS | Dr.Meena.N | Dr.Roopa.R.Nadig Dr.Vedavathi.B |
| 5 | PROSTHODONTICS | Dr.Ramesh Chowdhary | Dr.Kalpana D Dr.Sreeharsha.T.V |
| 6 | PEDODONTICS | Dr.Kumar.N.C | Dr.Gargi.S.Murthy |
| 7 | PERIODONTICS | Dr.Joann Pauline George | Dr.Savita.A.M Dr.Sunil.S |
| 8 | ORTHODONTICS | Dr.Akshae Shetty | Dr.Hemanth.M Dr.Karthik.J.Kabbur |
| 9 | ORAL PATHOLOGY | Dr.Kavita Rao | Dr.Krishnanda.P.S |

The Post Graduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members.


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Bangalore - 560 078.

The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the research methodologist and statistics expert for the methodological and statistical issues.

Subject experts reviewed the subject related issues.

A total of 21 synopses were scrutinized for scientific integrity. The details are given below

| Sl. no | Topic | Investigators | Subject | Guide/Co guide |
|--------|--|---------------------------|--------------------------------|---|
| 1 | "ESTIMATION OF CA 125 IN TOBACCO USERS BASED ON DURATION OF HABIT AND USE OF EITHER SMOKED OR SMOKELESS TOBACCO IN PATIENTS WITHOUT ORAL POTENTIALLY MALIGNANT DISORDERS - A CROSS-SECTIONAL STUDY" | DR. FARZANA | Oral medicine and Radiology | Dr.Chaya M David/ Dr.Preethi Patil |
| 2 | "ESTIMATION OF SALIVARY MELATONIN LEVEL IN TYPE 2 DIABETIC PATIENTS WITH AND WITHOUT ORAL MANIFESTATIONS - A CROSS-SECTIONAL STUDY" | DR.MOHAN RAJ | Oral medicine and Radiology | Dr.Chaya M David/ Ramnarayan BK |
| 3 | RELATIONSHIP BETWEEN SENSE OF COHERENCE AND PERIODONTAL DISEASE AMONG 35-44 YEAR OLD ADULTS VISITING GOVERNMENT HEALTH CENTRES ATTACHED TO A DENTAL INSTITUTION IN BANGALORE - A CROSS SECTIONAL SURVEY | DR.PRASHANTH M.J | Public Health Dentistry | Dr. Nithin.N.Bhaskar/ Dr.Sourabha.K.G |
| 4 | ASSESSMENT OF ORAL HEALTH STATUS AMONG ASHA WORKERS OF RAMANAGARA DISTRICT: A CROSS-SECTIONAL SURVEY | DR.VINAY KUMAR D.R. | Public Health Dentistry | Dr. Smitha.B.Kulkarni/ Dr.Sourabha.K.G |
| 5 | ASSESSMENT OF PAIN, ERYTHEMA, WOUND HEALING AND BONE DENSITY IN EXTRACTION SOCKETS FILLED WITH AMNIOTIC MEMBRANE AND DEMINERALIZED BONE GRAFT VERSUS COLLAGEN MEMBRANE AND DEMINERALIZED BONE GRAFT- A SPLIT MOUTH, DOUBLE BLINDED, RANDOMIZED CONTROLLED TRIAL" | DR.SINDHU SUBBHULAKSH MIT | Oral and Maxillofacial Surgery | Dr.Shobha.E.S/ Dr.Vinod Rangan |

| | | | | |
|----|---|---------------------|--|--------------------------------------|
| 6 | COMPARISON OF LOW-LEVEL LASER THERAPY AND TRANSCUTANEOUS ELECTRIC NERVE STIMULATION THERAPY IN ASSESSMENT OF PAIN AND MOUTH OPENING IN INTERNAL DERANGEMENT OF TEMPOROMANDIBULAR JOINT-A DOUBLE BLINDED RANDOMISED CONTROLLED TRIAL" | DR. SOWMIYA S | Oral and Maxillofacial Surgery | Dr.Prashanth.N.T/ Dr.Vinod Rangan |
| 7 | COMPARISON OF THE ULTIMATE TENSILE STRENGTH AND STATIC ELASTIC MODULUS OF COBALT-CHROMIUM ALLOY AND CARBON FIBER REINFORCED COMPOSITE WHEN USED AS IMPLANT FRAMEWORK MATERIAL - AN INVITRO STUDY | DR.MIR SHAHID ULLA | Prosthodontics and Crown and Bridge | Dr.Sreeharsha/Dr. Brunda.K |
| 8 | EVALUATION AND COMPARISON OF STRAIN DISTRIBUTION AT IMPLANT ABUTMENT JUNCTION OF AN IMPLANT SUPPORTED MANDIBULAR COMPLETE DENTURE FRAMEWORK FABRICATED WITH COBALT-CHROMIUM, ZIRCONIA AND PEEK- A THREE DIMENSIONAL FINITE ELEMENT ANALYSIS | DR. SHREYASEE MAITY | Prosthodontics and Crown and Bridge | Dr.SmithaSharan/ Dr.Pradeep.C |
| 9 | EVALUATION OF INJECTABLE PLATELET RICH FIBRIN WITH XENOGRAFT (STICKY BONE) FOR THE TREATMENT OF HORIZONTAL BONE DEFECT IN PERIODONTITIS BY ASSESSING BONE FILL. A RANDOMIZED CONTROLLED CLINICAL | DR.MRUDULA I | Periodontology | Dr.Savita.A.M/Dr. Archana R Naik |
| 10 | COMPARATIVE EVALUATION OF PAIN EXPERIENCED WITH NEEDLELESS JET INJECTOR (INJEX) AND CLASSICAL NEEDLE INFILTRATION DURING SCALING AND ROOT PLANING IN PATIENTS WITH PERIODONTITIS - A SPLIT MOUTH RANDOMIZED CONTROLLED CLINICAL TRIAL | DR. PAVITHRA T | Periodontology | Dr.Sunil.S/ Dr. Pallavi Nanaiah |
| 11 | ASSESSING THE EFFECT OF VARYING THE K LOOP DESIGN FEATURES TO ACHIEVE BODILY MOVEMENT DURING DISTALIZATION OF FIRST MAXILLARY MOLAR - A FINITE ELEMENT METHOD | DR.SHWETHA S PRASAD | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/ Dr.Darsan.J.P |

| | STUDY" | | | |
|----|--|----------------------|--|----------------------------------|
| 12 | EVALUATION OF CLINICAL EFFICACY BETWEEN FORSUS AND ADVANSYNC APPLIANCE FOR TREATMENT OF SKELETAL CLASS II MALOCCLUSION USING CBCT - A PROSPECTIVE RANDOMIZED CLINICAL TRIAL | DR.KIRAN SHADANI | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/Dr. Fatima Khalidi |
| 13 | AN ASSESSMENT AND COMPARISON OF ROOT RESORPTION WITH TWO DIFFERENT CORTICOTOMY TECHNIQUES DURING ANTERIOR TEETH RETRACTION -A SPLIT MOUTH PROSPECTIVE CLINICAL STUDY | DR.SHRUTHI K | Orthodontics and Dentofacial Orthopedics | Dr.Karthik Kabbur |
| 14 | COMPARATIVE ASESSMENT OF 3D PRINTED TWIN BLOCK AND CONVENTIONAL TWIN BLOCK IN TREATING SKELETAL CLASS II MALOCCLUSION AMONG GROWING PATIENTS: A PROSPECTIVE EXPLORATORY CLINICAL TRIAL | Dr.SUBBU KASHYAP | Orthodontics and Dentofacial Orthopedics | Dr.Karthik Kabbur |
| 15 | A COMPARATIVE EVALUATION OF CHEILOSCOPIC PATTERNS AND FINGER PRINT PATTERNS IN DIFFERENT CLASSES OF SKELETAL MALOCCLUSION | Dr.MANAS.G | Orthodontics and Dentofacial Orthopedics | Dr.Sharmada.B.K |
| 16 | EVALUATION OF FRACTURE RESISTANCE OF ENDODONTICALLY TREATED MESIO-OCCLUSALLY INVOLVED PREMOLARS RESTORED WITH CERAMIC ONLAY, VONLAY AND FULL CROWN RESTORATIONS - AN IN VITRO STUDY | Dr.HUSENA SUSNERWALA | Conservative and Endodontics | Dr.Vedavathi.B/ Dr.Ashok .H.K |
| 17 | EVALUATION OF ANTIMICROBIAL ACTION, PULP TISSUE DISSOLUTION AND SMEAR LAYER REMOVAL OF AN EXPERIMENTAL IRRIGANT COMBINING SALVADORA PERSICA AND SODIUM HYPOCHLORITE WITH AND WITHOUT ULTRASONIC ACTIVATION - AN IN VITRO STUDY | Dr.JIBIN KARIM | Conservative and Endodontics | Dr.Ranjini.M.A/ Dr.Swapna.D.V |
| 18 | STRESS DISTRIBUTION PATTERN IN ENDODONTICALLY TREATED MESIO- | Dr. BHARATHI M | Conservative and | Dr.Swapna.D.V/Dr. Ranjini.M.A |

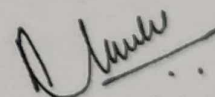
| | | | | |
|----|--|--------------------|------------------------------|---|
| | OCCLUSALLY INVOLVED PREMOLARS RESTORED WITH CERAMIC VONLAY, ONLAY AND FULL CROWN RESTORATION: A 3D FINITE ELEMENT ANALYSIS | | Endodontics | |
| 19 | EVALUATION OF FRACTURE RESISTANCE OF MESIO-OCCLUSO-DISTALLY INVOLVED ENDODONTICALLY TREATED MAXILLARY PREMOLAR RESTORED WITH BULK FILL COMPOSITE RESIN, SHORT FIBRE REINFORCED COMPOSITE RESIN WITH AND WITHOUT OVERLAY: AN IN VITRO STUDY | DR. ARPITHA PRASAD | Conservative and Endodontics | Dr.Roopa.R.Nadig/ Dr.Vedavathi.B |
| 20 | EVALUATION OF PUSH OUT BOND STRENGTH OF CHITOSAN COATED GUTTA-PERCHA WHEN USED WITH 0.2% CHITOSAN INCORPORATED RESIN BASED SEALER – AN INVITRO STUDY | DR.RIDYUMNA GARAIN | Conservative and Endodontics | Dr.Veena.S.Pai/Dr. Krishna.Kumar.G.R |
| 21 | THE EFFECT OF DIFFERENT METHODS OF DIRECT CUSP CAPPING WITH COMPOSITE RESIN ON FRACTURE RESISTANCE OF ENDODONTICALLY TREATED MAXILLARY PREMOLARS – AN IN VITRO STUDY | DR. BHAVANA.N | Conservative and Endodontics | Dr.Yashwanth.G/D r.Roopa.R.Nadig |

The meeting closed by 3:45pm on both the days.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students, faculty and their respective guides with a clear instruction to do the necessary correction and resubmit the same.


Dr.Hemanth .M
CHAIRPERSON
RD&SC
DSCDS

Chairperson
Research Development & Sustenance Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,


Dr.Nagesh.L
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Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Institutional Ethical Committee Minutes

Institutional ethical committee decided to meet on 18/11/2019 at 1:30 pm at seminar hall, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty.

This was duly communicated to all the members of the committee 15 days prior to the meeting.


On the scheduled day, the meeting began at 2 pm. It was chaired by Dr. Murugan. V and the member secretary Dr. Nagesh. L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|----------------------------|---|--------------------------|
| Chairperson | Dr. Murugan V, Principal, DSU, College of Pharmaceutical Sciences | Pharmaceutical Chemistry |
| Member Secretary | Dr. Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr. Subramanya Prasad | NA |
| Social scientist | Mr. Srinivasan | PG Director, DSCE |
| Basic medical scientist | Dr. Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Pharmacologist | Dr. Geetha KM Prof. & Head | Pharmacology, DSI |
| Lay person | Mrs. Sangeetha | NA |

The post graduate students were instructed to give 5 mins presentation on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity. A total of 21 synopses were scrutinized. The details are given below:


PRINCIPAL

Dayananda Sagar College of Dental Sciences
Kumaraswamy Layout,
Bangalore - 560 078.

| Sl. no | Topic | Investigators | Subject | Guide/Co guide |
|--------|--|----------------------------|--------------------------------|---|
| 1 | "ESTIMATION OF CA 125 IN TOBACCO USERS BASED ON DURATION OF HABIT AND USE OF EITHER SMOKED OR SMOKELESS TOBACCO IN PATIENTS WITHOUT ORAL POTENTIALLY MALIGNANT DISORDERS - A CROSS-SECTIONAL STUDY" | DR. FARZANA | Oral medicine and Radiology | Dr.Chaya M David, Dr.PreethiPatil |
| 2 | "ESTIMATION OF SALIVARY MELATONIN LEVEL IN TYPE 2 DIABETIC PATIENTS WITH AND WITHOUT ORAL MANIFESTATIONS - A CROSS-SECTIONAL STUDY" | DR.MOHAN RAJ | Oral medicine and Radiology | Dr.Chaya M David/ Ramnarayan BK |
| 3 | RELATIONSHIP BETWEEN SENSE OF COHERENCE AND PERIODONTAL DISEASE AMONG 35- 44 YEAR OLD ADULTS VISITING GOVERNMENT HEALTH CENTRES ATTACHED TO A DENTAL INSTITUTION IN BANGALORE - A CROSS SECTIONAL SURVEY | DR.PRASHANT H M.J | Public Health Dentistry | Dr. Nithin.N.Bhaskar/ Dr.Sourabha.K.G |
| 4 | ASSESSMENT OF ORAL HEALTH STATUS AMONG ASHA WORKERS OF RAMANAGARA DISTRICT: A CROSS-SECTIONAL SURVEY | DR.VINAY KUMAR D.R. | Public Health Dentistry | Dr. Smitha.B.Kulkarni/ Dr.Sourabha.K.G |
| 5 | ASSESSMENT OF PAIN, ERYTHEMA, WOUND HEALING AND BONE DENSITY IN EXTRACTION SOCKETS FILLED WITH AMNIOTIC MEMBRANE AND DEMINERALIZED BONE GRAFT VERSUS COLLAGEN MEMBRANE AND DEMINERALIZED BONE GRAFT- A SPLIT MOUTH, DOUBLE BLINDED, RANDOMIZED CONTROLLED TRIAL" | DR.SINDHU SUBBHULAKS HMI T | Oral and Maxillofacial Surgery | Dr.Shobha.E.S/ Dr.Vinod Rangan |
| 6 | COMPARISON OF LOW-LEVEL LASER THERAPY AND TRANSCUTANEOUS ELECTRIC NERVE STIMULATION THERAPY IN ASSESSMENT OF PAIN AND MOUTH OPENING IN INTERNAL DERANGEMENT OF TEMPOROMANDIBULAR JOINT-A DOUBLE BLINDED RANDOMISED CONTROLLED TRIAL" | DR. SOWMIYA S | Oral and Maxillofacial Surgery | Dr.Prashanth.N.T/ Dr.Vinod Rangan |
| 7 | COMPARISION OF THE ULTIMATE TENSILE STRENGTH AND STATIC ELASTIC | DR. MIR SHAHID ULLA | Prosthodontics and Crown and | Dr.Sreeharsha/Dr.B runda.K |

| | | | | |
|----|---|---------------------|--|-------------------------------------|
| | MODULUS OF COBALT-CHROMIUM ALLOY AND CARBON FIBER REINFORCED COMPOSITE WHEN USED AS IMPLANT FRAMEWORK MATERIAL - AN INVITRO STUDY | | Bridge | |
| 8 | EVALUATION AND COMPARISON OF STRAIN DISTRIBUTION AT IMPLANT ABUTMENT JUNCTION OF AN IMPLANT SUPPORTED MANDIBULAR COMPLETE DENTURE FRAMEWORK FABRICATED WITH COBALT-CHROMIUM, ZIRCONIA AND PEEK- A THREE DIMENSIONAL FINITE ELEMENT ANALYSIS | DR. SHREYASEE MAITY | Prosthodontics and Crown and Bridge | Dr.SmithaSharan/ Dr.Pradeep.C |
| 9 | EVALUATION OF INJECTABLE PLATELET RICH FIBRIN WITH XENOGRAFT (STICKY BONE) FOR THE TREATMENT OF HORIZONTAL BONE DEFECT IN PERIODONTITIS BY ASSESSING BONE FILL. A RANDOMIZED CONTROLLED CLINICAL | DR.MRUDULA I | Periodontology | Dr.Savita.A.M/ Dr.Archana R Naik |
| 10 | COMPARATIVE EVALUATION OF PAIN EXPERIENCED WITH NEEDLELESS JET INJECTOR (INJEX) AND CLASSICAL NEEDLE INFILTRATION DURING SCALING AND ROOT PLANING IN PATIENTS WITH PERIODONTITIS - A SPLIT MOUTH RANDOMIZED CONTROLLED CLINICAL TRIAL | DR. PAVITHRA T | Periodontology | Dr.Sunil.S/ Dr. Pallavi Nanaiah |
| 11 | ASSESSING THE EFFECT OF VARYING THE K LOOP DESIGN FEATURES TO ACHIEVE BODILY MOVEMENT DURING DISTALIZATION OF FIRST MAXILLARY MOLAR - A FINITE ELEMENT METHOD STUDY" | DR.SHWETHA S PRASAD | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/ Dr.Darsan.J.P |
| 12 | EVALUATION OF CLINICAL EFFICACY BETWEEN FORSUS AND ADVANSYNC APPLIANCE FOR TREATMENT OF SKELETAL CLASS II MALOCCLUSION USING CBCT - A PROSPECTIVE RANDOMIZED CLINICAL TRIAL | DR.KIRAN SHADANI | Orthodontics and Dentofacial Orthopedics | Dr.Hemanth.M/ Dr.FatimaKhalidi |
| 13 | AN ASSESSMENT AND COMPARISON OF | DR.SHRUTHI K | Orthodontics | Dr.KarthikKabbur |

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|----|--|----------------------|--|--------------------------------|
| | ROOT RESORPTION WITH TWO DIFFERENT CORTICOTOMY TECHNIQUES DURING ANTERIOR TEETH RETRACTION -A SPLIT MOUTH PROSPECTIVE CLINICAL STUDY | | and Dentofacial Orthopedics | |
| 14 | COMPARATIVE ASESMENT OF 3D PRINTED TWIN BLOCK AND CONVENTIONAL TWIN BLOCK IN TREATING SKELETAL CLASS II MALOCCLUSION AMONG GROWING PATIENTS: A PROSPECTIVE EXPLORATORY CLINICAL TRIAL | Dr.SUBBU KASHYAP | Orthodontics and Dentofacial Orthopedics | Dr.Karthik Kabbur |
| 15 | A COMPARATIVE EVALUATION OF CHEILOSCOPIC PATTERNS AND FINGER PRINT PATTERNS IN DIFFERENT CLASSES OF SKELETAL MALOCCLUSION | Dr.MANAS.G | Orthodontics and Dentofacial Orthopedics | Dr.Sharmada.B.K |
| 16 | EVALUATION OF FRACTURE RESISTANCE OF ENDODONTICALLY TREATED MESIO-OCCLUSALLY INVOLVED PREMOLARS RESTORED WITH CERAMIC ONLAY, VONLAY AND FULL CROWN RESTORATIONS - AN IN VITRO STUDY | Dr.HUSENA SUSNERWALA | Conservative and Endodontics | Dr.Vedavathi.B / Dr.Ashok .H.K |
| 17 | EVALUATION OF ANTIMICROBIAL ACTION, PULP TISSUE DISSOLUTION AND SMEAR LAYER REMOVAL OF AN EXPERIMENTAL IRRIGANT COMBINING SALVADORA PERSICA AND SODIUM HYPOCHLORITE WITH AND WITHOUT ULTRASONIC ACTIVATION - AN IN VITRO STUDY | Dr.JIBIN KARIM | Conservative and Endodontics | Dr.Ranjini.M.A/ Dr.Swapna.D.V |
| 18 | STRESS DISTRIBUTION PATTERN IN ENDODONTICALLY TREATED MESIO-OCCLUSALLY INVOLVED PREMOLARS RESTORED WITH CERAMIC VONLAY, ONLAY AND FULL CROWN RESTORATION: A 3D FINITE ELEMENT ANALYSIS | Dr. BHARATHI M | Conservative and Endodontics | Dr.Swapna.D.V/ Dr.Ranjini.M.A |

| | | | | |
|----|--|---------------------|------------------------------|---|
| 19 | EVALUATION OF FRACTURE RESISTANCE OF MESIO-OCCLUSO-DISTALLY INVOLVED ENDODONTICALLY TREATED MAXILLARY PREMOLAR RESTORED WITH BULK FILL COMPOSITE RESIN, SHORT FIBRE REINFORCED COMPOSITE RESIN WITH AND WITHOUT OVERLAY: AN IN VITRO STUDY | DR. ARPITHA PRASAD | Conservative and Endodontics | Dr.Roopa.R.Nadig/ Dr.Vedavathi.B |
| 20 | EVALUATION OF PUSH OUT BOND STRENGTH OF CHITOSAN COATED GUTTA-PERCHA WHEN USED WITH 0.2% CHITOSAN INCORPORATED RESIN BASED SEALER – AN INVITRO STUDY | DR.RIDYUMN A GARAIN | Conservative and Endodontics | Dr.Veena.S.Pai/ Dr.Krishna.Kumar. G.R |
| 21 | THE EFFECT OF DIFFERENT METHODS OF DIRECT CUSP CAPPING WITH COMPOSITE RESIN ON FRACTURE RESISTANCE OF ENDODONTICALLY TREATED MAXILLARY PREMOLARS – AN IN VITRO STUDY | DR. BHAVANA.N | Conservative and Endodontics | Dr.Yashwanth.G/Dr .Roopa.R.Nadig |

The meeting closed by 3:45 pm.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same.

The ethical clearance letter was issued to all the investigators.

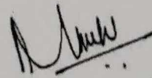
Dr.Murugan.V
CHAIRPERSON

IEC

DSCDS

Chairperson

Institutional Ethical Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.



Dr. Nagesh.L

MEMBER SECRETARY

IEC

DSCDS

Member Secretary

Institutional Ethical Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Research development and sustenance minutes

As per the circular dated 30/12/2019 (RES/UG-RESEARCH/16/2018-19) by RGUHS a committee was formed by Dr.Hemanth.M, Principal to scrutinize the research proposal submitted by undergraduate students for the RGUHS short term research grants.

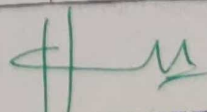
The committee decided to meet on 12/02/2019 at 10.00am at seminar room, Department of Orthodontics and Dentofacial Orthopedics, DSCDS. On the scheduled day, the meeting began at 10:15 am. It was chaired by Dr.Hemanth.M, Principal, DSCDS, Dr.Nagesh.L Professor and Head, dept. of Public Health Dentistry and Dr. Krishnanand Professor and Head, dept. of oral Pathology.

The undergraduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members. The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the committee for the methodological, statistical issues and ethical issue.

A total of 5 synopses were scrutinized for scientific integrity. The details are given below

| SL NO | TITLE | INVESTIGATOR/S | SUBJECT | GUIDE/CO-GUIDE |
|-------|--|-----------------------|--|--------------------|
| 1 | Comparative Evaluation of Chitosan incorporated Nano Hydroxyapatite and Peptide Complex Nano Hydroxyapatite on the remineralization potential of early enamel lesion- An In-Vitro Study. | Ms. Komal Jain | Conservative Dentistry and Endodontics | Dr. Krishna Kumar |
| 2 | Estimation of Human Somatotype using Intercuspal Odontometric | Ms. Isani Inara Salim | Oral Pathology | Dr. Krishnanand PS |


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Bangalore - 560 079.

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Institutional Ethical Committee Minutes

Institutional ethical committee decided to meet on 07/01/2020 at 11:45 am at seminar hall, Department of Oral medicine and radiology, DSCDS in order to scrutinize the research synopses submitted by the undergraduate students for the ICMR funded research project.

This was duly communicated to all the members of the committee 15 days prior to the meeting.

On the scheduled day, the meeting began at 12.00 pm. It was chaired by Dr.Hemanth.M and the member secretary Dr.Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|-------------------------|--|--------------------------|
| Chairperson | Dr.Murugan V, Principal, DSU, College of Pharmaceutical Sciences | Pharmaceutical Chemistry |
| Member Secretary | Dr.Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr.Subramanya Prasad | NA |
| Social scientist | Mr.Srinivasan | PG Director, DSCE |
| Basic medical scientist | Dr.Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Pharmacologist | Dr.Geetha KM Prof. & Head | Pharmacology, DSI |
| Lay person | Mrs.Sangeetha | NA |

The undergraduate students were instructed to give power point presentation on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity. A total of 12 synopses were scrutinized. The details are given below:


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Bangalore - 560 078.

| Sl.no | Title | Investigators | Subject | Guide/Co guide |
|-------|---|-----------------|--------------------------------------|-----------------------|
| 1 | The effect of two types of chewing gum containing Casein phosphopeptide-amorphous calcium phosphate (CPP-ACP) and xylitol on salivary pH and buffering capacity -A Randomised parallel design Trial | AISHWARYA VIJAY | Public Health Dentistry | Dr. Sourabha K G |
| 2 | Effect of lemongrass and chlorhexidine mouthwash on salivary pH, salivary buffering capacity, plaque and gingivitis - A Randomized controlled parallel design | SOWMYA.A | Public Health Dentistry | Dr. Smitha.B.Kulkarni |
| 3 | Assessment of knowledge, attitude and awareness of age estimation in child labourers using forensic odontology among officials of Karnataka labour department - A Cross sectional Survey | GEETHA PRIYA | ORAL PATHOLOGY | Dr. VIDYA |
| 4 | Development of new artificial intelligence based software for the early detection of incipient caries in molars - An invitro study | HITESH.N | Conservative dentistry & Endodontics | Dr. Yashwanth |
| 5 | A comparative evaluation of surface disinfection of composite light curing unit using titanium dioxide nano spray, | CHIRAG | Conservative dentistry & Endodontics | Dr. Vedavathi.B |

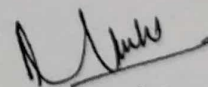
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| | isopropyl alcohol – A microbiological study | | | |
| 6 | Comparative evaluation of salivary PH and streptococcus mutans level in children after consuming raisins and cranberries | HARSHITHA B.N | Pedodontics & Preventive dentistry | Dr. Gargi.S.Murthy |
| 7 | Comparative evaluation of the colour stability of two commercially available acrylic teeth. An Invitro study | SURABI SASI | Prosthodontics Crown & Bridge | Dr Sreeharsha T.V |
| 8 | New vision for improving the oral health education for blind children | ATIKA | Pedodontics & Preventive dentistry | Dr.Kavitha.M |
| 9 | Assessment of surface roughness and irregularities with different types of As-received Ni-Ti-orthodontic arch wires using SEM and Talysurf surface roughness tester –An Vitro Stusy | KRUTHI | Orthodontics and dentofacial Orthopedics | Dr.Karthik Kabbur |

The meeting closed by 1:30pm.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same. The ethical clearance letter was issued to all the investigators.

Dr.Murugan.V
CHAIRPERSON
IEC
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Chairperson
Institutional Ethical Committee
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Dr. Nagesh.L
MEMBER SECRETARY
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DSCDS

Member Secretary
Institutional Ethical Committee
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DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

INSTITUTIONAL REVIEW BOARD

Research development and sustenance minutes

Research development and sustenance decided to meet on 21-01-2021 and 22-01-2021 at 9:00 am in seminar room, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty.

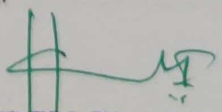
This was duly communicated to all the members of the committee 15 days prior to the meeting.

On both the days (21-01-2021 and 22-01-2021), the meeting began at 9:15 am. It was chaired by Dr.Hemanth.M, the member secretary Dr.Nagesh L and Dr. Ravi Shirahatti Research Methodologist(Online), Mr.Paramashivaiah Biostatistician was present on both the dates. On the first day(21-01-2021) department of Orthodontics, Periodontics and Prosthodontics presented their synopsis. On the second day (22-01-2021) department of conservative and Endodontics, Oral Medicine and Radiology and Oral and Maxillofacial Surgery gave their presentations.

The following members attended the meeting and placed their valuable inputs.

| SL.NO | SUBJECTS | EXTERNAL EXPERTS | INTERNAL EXPERTS |
|-------|------------------------------|--------------------------|--|
| 1 | ORAL MEDICINE & RADIOLOGY | Dr.Balaji | Dr.Chaya.M.David/ Dr.Ramnarayan.B.K |
| 2 | PUBLIC HEALTH DENTISTRY | Dr.Rekha.R | Dr.Nagesh.L Dr.Smitha B Kulkarni |
| 3 | ORAL SURGERY | Dr.Rajnikanth.B.R | Dr.Shobha.E.S Dr.Prashanth.N.T |
| 4 | CONSERVATIVE AND ENDODONTICS | Dr.Ashishshetty (ONLINE) | Dr.Roopa.R.Nadig/ Vedavathi.B |
| 5 | PROSTHODONTICS | Dr.Subhash(ONLINE) | Dr.Sarandha.D.L/ Dr.Sreeharsha.T.V |
| 6 | PEDODONTICS | Dr.Anantharaj | Dr.Gargi.S.Murthy |
| 7 | PERIODONTICS | Dr.Shivaprasad.B.M | Dr.Savita.A.M Dr.Archana.R.Naik |
| 8 | ORTHODONTICS | Dr.Prashanth.C.S | Dr.Hemanth.M Dr.Karthik.J.Kabbur |
| 9 | ORAL PATHOLOGY | Dr.Girish(ONLINE) | Dr.Krishnanda.P.S |

The post graduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members.


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The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the research methodologist and statistics expert for the methodological and statistical issues.

Subject experts reviewed the subject related issues.

A total of 20 synopses were scrutinized for scientific integrity. The details are given below

| SL NO | TITLE | INVESTIGATORS | SUBJECT | GUIDE/CO-GUIDE |
|-------|--|-----------------------------|---|---------------------------------------|
| 1 | COMPARISON OF SALIVARY IL – 6 MRNA AND IL – 6 PROTEIN LEVELS IN HEALTHY INDIVIDUALS, ORAL POTENTIALLY MALIGNANT DISORDERS AND ORAL SQUAMOUS CELL CARCINOMA - A CROSS SECTIONAL STUDY | DR. CHETHANA YADAV.M | ORAL MEDICINE AND RADIOLOGY | Dr.CHAYA M DAVID / Dr.PREETHI PATIL |
| 2 | DEVELOPING AND VALIDATING AN ARTIFICIAL INTELLIGENCE (AI) ALGORITHM IN DETERMINATION OF CERVICAL VERTEBRAL STAGING USING LATERAL CEPHALOGRAMS | DR. SINDHU.P | DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY | Dr. RAMNARAYAN B.K/ Dr. CHAYA M DAVID |
| 3 | COMPARISON OF SALIVARY ALKALINE PHOSPHATASE LEVEL (S-ALP) IN HEALTHY INDIVIDUALS, INDIVIDUALS WITH ORAL POTENTIALLY MALIGNANT DISORDERS (OPMD) AND ORAL SQUAMOUS CELL CARCINOMA (OSCC) – A CROSS SECTIONAL STUDY | DR. SORAISAM BIDYAPATI DEVI | DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY | Dr. MAHESH D.R/ Dr.DARSHANA.S.NAYAK |
| 4 | COMPARISON OF CLINICAL AND RADIOGRAPHIC ASSESSMENT OF EFFICACY OF EGGSHELL-DERIVED NANOHYDROXYAPATITE (ENHA) AND DEMINERALIZED FREEZE DRIED BONE | DR.NEHA V NAINOOR | ORAL AND MAXILLOFACIAL SURGERY | DR.SHOBHA E. S/ Dr.PRASHANTH.N.T |

| | | | | |
|---|--|-----------------------|--|---|
| | ALLOGRAFT (DFDBA), BOTH COVERED WITH PLATELET-RICH FIBRIN (PRF) IN SOCKET PRESERVATION - A RANDOMIZED CONTROLLED CLINICAL STUDY | | | |
| 5 | ASSESSMENT OF THE ACCURACY OF STEREOLITHOGRAPHIC SURGICAL GUIDE BY COMPARING DEVIATIONS IN TERMS OF POSITION AND ANGULATION OF IMPLANT PLACED IN THE MODEL AND THE PATIENT - AN EXPERIMENTAL STUDY | DR. NITHIN SHAJU | ORAL AND MAXILLOFACIAL SURGERY | DR. VINOD RANGAN/ Dr.PRASHANTH.N.T |
| 6 | ASSESSMENT AND COMPARISON OF DIMENSIONAL STABILITY AND SURFACE ACCURACY OF ALGINATE AFTER DISINFECTING WITH QUATERNARY AMMONIUM COMPOUND (QAC), PHENOL BASED DISINFECTANT AND SODIUM HYPOCHLORITE - AN IN VITRO STUDY | DR. C M. ZAMEER AHMED | PROSTHODONTICS | Dr. SARANDHA D. L /Dr.SREEHARSHA.T.V |
| 7 | COMPARATIVE EVALUATION OF STRESS DISTRIBUTION AT IMPLANT-ABUTMENT JUNCTION, CRESTAL AND PERI IMPLANT BONE REGION OF EXTRA SHORT TITANIUM AND TITANIUM - ZIRCONIUM IMPLANTS ON IMMEDIATE AND DELAYED LOADING: A THREE-DIMENSIONAL FINITE ELEMENT ANALYSIS | DR. SHELVI PANDEY | PROSTHODONTICS | DR. SMITHA SHARAN |
| 8 | COMPARATIVE EVALUATION OF THE CLEANING AND SHAPING ABILITY OF TRUNATOMY AND HYFLEX EDM FILE SYSTEM - AN INVITRO STUDY | DR. ABIJETH. B | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. SWAPNA D V |

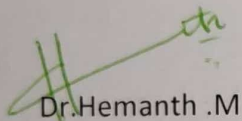
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|----|--|---------------------------------|--|-----------------|
| 9 | COMPARATIVE EVALUATION OF THE FRACTURE RESISTANCE OF DIFFERENT CERAMIC ANTERIOR ENDOCROWNS – AN INVITRO STUDY | DR. A ARJUN PRADIP | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. VEDAVATHI B |
| 10 | EFFECT OF RESVERATROL PRETREATMENT OF ROOT DENTIN ON IMMEDIATE AND DELAYED PUSHOUT BOND STRENGTH OF FIBER POST LUTED USING SELF ADHESIVE RESIN CEMENT – AN INVITRO STUDY | DR. NIVASKUMAR G.A | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. RANJINI M A |
| 11 | COMPARATIVE EVALUATION OF FRACTURE RESISTANCE OF ANTERIOR ENDOCROWNS USING NANOCERAMIC AND INDIRECT COMPOSITE RESIN MATERIALS- AN INVITRO STUDY. | DR. PAYEL MAZUMDAR | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. VEDAVATHI B |
| 12 | COMPARATIVE EVALUATION OF MICROLEAKAGE IN CLASS V CAVITIES, IN PREMOLARS, RESTORED WITH TWO NOVEL BIOACTIVE RESTORATIVE MATERIALS (ACTIVA BIOACTIVA RESTORATIVE AND ACTIVA PRONTO)– AN INVITRO STUDY | DR. PRACHETH T V | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. VEENA PAI S |
| 13 | COMPARATIVE EVALUATION OF FRACTURE RESISTANCE IN OVERLYFLARED ENDODONTICALLY TREATED ANTERIOR TEETH RESTORED USING PREFABRICATED FIBRE REINFORCED COMPOSITE POST AND REBILDA POST GT SYSTEM - AN INVITRO STUDY | DR. PRATHIKSHA KARUNAKAR SHETTY | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR.YASHWANTH.G |
| 14 | COMPARATIVE EVALUATION OF THE CLINICAL EFFICACY OF NIGELLA SATIVA (0.1%) MOUTHWASH AND | DR. ASHWINI UPPIN | PERIODONTICS | DR.SAVITA A.M |

| | | | | |
|----|---|------------------------|---|---|
| | CHLORHEXIDINE GLUCONATE (0.2%) IN PATIENTS WITH GINGIVITIS: A RANDOMISED CONTROL TRIAL | | | |
| 15 | CLINICAL AND MICROBIOLOGICAL EVALUATION OF PHOTODYNAMIC THERAPY AS AN ADJUNCT TO SCALING AND ROOT PLANING IN PERIODONTITIS WITH TYPE II DIABETES MELLITUS: A SPLIT MOUTH RANDOMIZED CONTROLLED CLINICAL TRIAL | DR. NIVEDITHA.S | DEPARTMENT OF PERIODONTICS | DR. ARCHANA R NAIK |
| 16 | THE ASSOCIATION BETWEEN FOOT POSTURE AND CRANIO-CERVICAL POSTURE TO SKELETAL MALOCCLUSION IN CHILDREN – A CROSS SECTIONAL SURVEY | DR. BASIL AHSAL N | ORTHODONTICS & DENTOFACIAL ORTHOPEDICS | Dr. HEMANTH. M/ Dr. FATIMA KHALIDI |
| 17 | COMPARATIVE EVALUATION OF CYTOTOXICITY OF SMART TRACK, LEONE AND DURAN THERMOPLASTIC MATERIALS USED FOR ALIGNERS WITH AND WITHOUT ADDING NIGELLA SATIVA LINN SEED EXTRACT – AN INVITRO STUDY | DR. SYED OMER | ORTHODONTICS & DENTOFACIAL ORTHOPEDICS | DR. SHARMADA B.K/ Dr.KARTHIK KABBUR |
| 18 | A COMPARATIVE EVALUATION OF SURVIVAL RATES OF MANDIBULAR FIXED LINGUAL RETAINERS, BONDED WITH TiO ₂ NANOPARTICLE CONTAINING COMPOSITE AND CONVENTIONAL COMPOSITE – A RANDOMIZED CONTROLLED TRIAL | DR. SHRAVANTHI M.N | DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS | DR. GOUTHAM. K / Dr.SUCHITRA.M.P |
| 19 | A COMPARATIVE ASSESSMENT OF PRIMARY STABILITY AND SECONDARY STABILITY BETWEEN CONVENTIONAL AND NANOCOATED MINI-IMPLANTS IN GOAT MANDIBLE | Dr. TEJAS RAJEEV PIKLE | DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS | DR. KARTHIK. J. KABBUR/ SHARMADA B.K DR. |

| | | | | |
|----|---|-----------------|---|--|
| | - AN INVITRO SPLIT MOUTH STUDY" | | | |
| 20 | A COMPARATIVE ASSESSMENT OF COEFFICIENT OF FRICTIONAL RESISTANCE AND SURFACE ROUGHNESS BETWEEN NANOCOATED ORTHODONTIC BRACKETS AND ARCHWIRES WITH CONVENTIONAL ORTHODONTIC BRACKETS AND ARCH WIRES – AN EXPERIMENTAL IN VITRO STUDY | Dr.B.ALIF AHMED | DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS | DR. HEMANTH. M/ Dr.JAYAPRASAD DARSAN |

The meeting closed by 3:30pm on both the days.

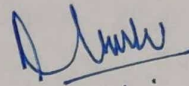
The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students, faculty and their respective guides with a clear instruction to do the necessary correction and resubmit the same.



Dr.Hemanth .M
CHAIRPERSON
RD&SC
DSCDS

Chairperson

Research Development & Sustenance Committee
Dayananda Sagar College of Dental Sciences
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.



Dr. Nagesh.L
MEMBER SECRETARY
RD&SC
DSCDS

Member Secret.

Research Development & Sustenance Committee
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DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD

Institutional Ethical Committee Minutes

Institutional ethical committee decided to meet on 16-02-2021 and 17-02-2021 at 9:00am at seminar hall, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty.

This was duly communicated to all the members of the committee 15 days prior to the meeting.


On the scheduled days, the meeting began at 9:15 am. It was chaired by Dr.ChandrashekarJanakiram and the member secretary Dr.Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|----------------------------|--|---|
| Chairperson | Dr.ChandrashekarJanakiram, Professor and head | Public Health Dentistry Amrita School of Dentistry |
| Member Secretary | Dr.Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr.Subramanya Prasad | NA |
| Social scientist | Mrs. K.Vasundara | PG Director, DSCE |
| Basic medical scientist | Dr.Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Pharmacologist | Dr.TaraMadhusudan Prof. & Head | Pharmacology, DSI |
| Lay person | Mr.NageshPuranik | NA |

The post graduate students were instructed to give 5-8mins presentation and should have maximum of 8 slides on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity. A total of 20 synopses were scrutinized. The details are given below:


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Bangalore - 560 078.

| SL NO | TITLE | INVESTIGATORS | SUBJECT | GUIDE/CO-GUIDE |
|-------|--|-----------------------------|---|--|
| 1 | COMPARISON OF SALIVARY IL - 6 MRNA AND IL - 6 PROTEIN LEVELS IN HEALTHY INDIVIDUALS, ORAL POTENTIALLY MALIGNANT DISORDERS AND ORAL SQUAMOUS CELL CARCINOMA - A CROSS SECTIONAL STUDY | DR. CHETHANA YADAV.M | ORAL MEDICINE AND RADIOLOGY | Dr.CHAYA M DAVID Dr.PREETHI PATIL |
| 2 | DEVELOPING AND VALIDATING AN ARTIFICIAL INTELLIGENCE (AI) ALGORITHM IN DETERMINATION OF CERVICAL VERTEBRAL STAGING USING LATERAL CEPHALOGRAMS | DR. SINDHU.P | DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY | Dr. RAMNARAYAN B.K/ Dr. CHAYA M DAVID |
| 3 | COMPARISON OF SALIVARY ALKALINE PHOSPHATASE LEVEL (S-ALP) IN HEALTHY INDIVIDUALS, INDIVIDUALS WITH ORAL POTENTIALLY MALIGNANT DISORDERS (OPMD) AND ORAL SQUAMOUS CELL CARCINOMA (OSCC) - A CROSS SECTIONAL STUDY | DR. SORAISAM BIDYAPATI DEVI | DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY | Dr. MAHESH D.R/ Dr.DARSHANA.S.NAYAK |
| 4 | COMPARISON OF CLINICAL AND RADIOGRAPHIC ASSESSMENT OF EFFICACY OF EGGSHELL-DERIVED NANOHYDROXYAPATITE (ENHA) AND DEMINERALIZED FREEZE DRIED BONE ALLOGRAFT (DFDBA), BOTH COVERED WITH PLATELET-RICH FIBRIN (PRF) IN SOCKET PRESERVATION - A RANDOMIZED CONTROLLED CLINICAL STUDY | DR.NEHA NAINOOR V | ORAL AND MAXILLOFACIAL SURGERY | DR.SHOBHA E.S/ Dr.PRASHANTH.N.T |
| 5 | ASSESSMENT OF THE ACCURACY OF STEREOLITHOGRAPHIC SURGICAL GUIDE BY COMPARING DEVIATIONS | DR. NITHIN SHAJU | ORAL AND MAXILLOFACIAL | DR. VINOD RANGAN/ Dr.PRASHANTH.N.T |

E/CO-GUID
DAVID

| | | | | |
|----|--|-----------------------|--|--------------------------------------|
| | IN TERMS OF POSITION AND ANGULATION OF IMPLANT PLACED IN THE MODEL AND THE PATIENT - AN EXPERIMENTAL STUDY | | SURGERY | |
| 6 | ASSESSMENT AND COMPARISON OF DIMENSIONAL STABILITY AND SURFACE ACCURACY OF ALGINATE AFTER DISINFECTING WITH QUATERNARY AMMONIUM COMPOUND (QAC), PHENOL BASED DISINFECTANT AND SODIUM HYPOCHLORITE - AN IN VITRO STUDY | DR. C M. ZAMEER AHMED | PROSTHODONTICS | Dr. SARANDHA D. L /Dr.SREEHARSHA.T.V |
| 7 | COMPARATIVE EVALUATION OF STRESS DISTRIBUTION AT IMPLANT-ABUTMENT JUNCTION, CRESTAL AND PERI IMPLANT BONE REGION OF EXTRA SHORT TITANIUM AND TITANIUM - ZIRCONIUM IMPLANTS ON IMMEDIATE AND DELAYED LOADING: A THREE-DIMENSIONAL FINITE ELEMENT ANALYSIS | DR. SHELVI PANDEY | PROSTHODONTICS | DR. SMITHA SHARAN |
| 8 | COMPARATIVE EVALUATION OF THE CLEANING AND SHAPING ABILITY OF TRUNATOMY AND HYFLEX EDM FILE SYSTEM - AN INVITRO STUDY | DR. ABIJETH. B | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. SWAPNA D V |
| 9 | COMPARATIVE EVALUATION OF THE FRACTURE RESISTANCE OF DIFFERENT CERAMIC ANTERIOR ENDOCROWNS - AN INVITRO STUDY | DR. A ARJUN PRADIP | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. VEDAVATHI B |
| 10 | EFFECT OF RESVERATROL PRETREATMENT OF ROOT DENTIN ON IMMEDIATE AND DELAYED PUSHOUT BOND STRENGTH OF FIBER POST LUTED USING SELF ADHESIVE | DR. NIVASKUMAR G.A | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. RANJINI M A |

| | RESIN CEMENT – AN INVITRO STUDY | | | |
|----|--|---------------------------------|--|--------------------|
| 11 | COMPARATIVE EVALUATION OF FRACTURE RESISTANCE OF ANTERIOR ENDOCROWNS USING NANOCERAMIC AND INDIRECT COMPOSITE RESIN MATERIALS- AN INVITRO STUDY. | DR.PAYEL MAZUMDAR | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. VEDAVATHI B |
| 12 | COMPARATIVE EVALUATION OF MICROLEAKAGE IN CLASS V CAVITIES, IN PREMOLARS, RESTORED WITH TWO NOVEL BIOACTIVE RESTORATIVE MATERIALS (ACTIVA BIOACTIVA RESTORATIVE AND ACTIVA PRONTO)- AN INVITRO STUDY | DR. PRACHETH T V | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR. VEENA PAI S |
| 13 | COMPARATIVE EVALUATION OF FRACTURE RESISTANCE IN OVERLYFLARED ENDODONTICALLY TREATED ANTERIOR TEETH RESTORED USING PREFABRICATED FIBRE REINFORCED COMPOSITE POST AND REBILDA POST GT SYSTEM - AN INVITRO STUDY | DR. PRATHIKSHA KARUNAKAR SHETTY | DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS | DR.YASHWANTH.G |
| 14 | COMPARATIVE EVALUATION OF THE CLINICAL EFFICACY OF NIGELLA SATIVA (0.1%) MOUTHWASH AND CHLORHEXIDINE GLUCONATE (0.2%) IN PATIENTS WITH GINGIVITIS: A RANDOMISED CONTROL TRIAL | DR. ASHWINI UPPIN | PERIODONTICS | DR.SAVITA A.M |
| 15 | CLINICAL AND MICROBIOLOGICAL EVALUATION OF PHOTODYNAMIC THERAPY AS AN ADJUNCT TO SCALING AND ROOT PLANING IN PERIODONTITIS WITH TYPE II DIABETES MELLITUS: A SPLIT MOUTH | DR. NIVEDITHA.S | DEPARTMENT OF PERIODONTICS | DR. ARCHANA R NAIK |

| | RANDOMIZED CONTROLLED CLINICAL TRIAL | | | |
|----|---|------------------------|---|--|
| 16 | THE ASSOCIATION BETWEEN FOOT POSTURE AND CRANIO-CERVICAL POSTURE TO SKELETAL MALOCCLUSION IN CHILDREN – A CROSS SECTIONAL SURVEY | DR. BASIL AHSAL N | ORTHODONTICS & DENTOFACIAL ORTHOPEDICS | Dr. HEMANTH. M/ Dr. FATIMA KHALIDI |
| 17 | COMPARATIVE EVALUATION OF CYTOTOXICITY OF SMART TRACK, LEONE AND DURAN THERMOPLASTIC MATERIALS USED FOR ALIGNERS WITH AND WITHOUT ADDING NIGELLA SATIVA LINN SEED EXTRACT – AN INVITRO STUDY | DR. SYED OMER | ORTHODONTICS & DENTOFACIAL ORTHOPEDICS | DR. SHARMADA B.K/ Dr.KARTHIK KABBUR |
| 18 | A COMPARATIVE EVALUATION OF SURVIVAL RATES OF MANDIBULAR FIXED LINGUAL RETAINERS, BONDED WITH TiO ₂ NANOPARTICLE CONTAINING COMPOSITE AND CONVENTIONAL COMPOSITE – A RANDOMIZED CONTROLLED TRIAL | DR. SHRAVANTHI M.N | DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS | DR. GOUTHAM. K / Dr.SUCHITRA.M.P |
| 19 | A COMPARATIVE ASSESSMENT OF PRIMARY STABILITY AND SECONDARY STABILITY BETWEEN CONVENTIONAL AND NANOCOATED MINI-IMPLANTS IN GOAT MANDIBLE - AN INVITRO SPLIT MOUTH STUDY" | Dr. TEJAS RAJEEV PIKLE | DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS | DR. KARTHIK. J. KABBUR/ DR. SHARMADA B.K |
| 20 | A COMPARATIVE ASSESSMENT OF COEFFICIENT OF FRICTIONAL RESISTANCE AND SURFACE ROUGHNESS BETWEEN NANOCOATED ORTHODONTIC BRACKETS AND ARCHWIRES WITH CONVENTIONAL ORTHODONTIC BRACKETS AND ARCH WIRES – AN | Dr.B.ALIF AHMED | DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS | DR. HEMANTH. M/ Dr.JAYAPRASAD DARSAN |

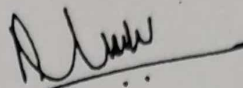
The meeting closed by 1:30pm.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same. The ethical clearance letter was issued to all the investigators.



Dr. Chandrashekar Janakiram
CHAIRPERSON
IEC, DSCDS

Chairperson
Institutional Ethical Committee
Dayananda Sagar College of Dental Science,
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.



Dr. Nagesh.L
MEMBER SECRETARY
IEC, DSCDS

Secretary
Institutional Ethical Committee
Dayananda Sagar College of Dental Sciences,
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bangalore - 560 078.

DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD

Research development and sustenance minutes

As per the circular dated 18/02/2021 (RES/UG-RESEARCH//2021-22) by RGUHS a committee was formed by Dr.Hemanth.M, Principal to scrutinize the research proposal submitted by undergraduate students for the RGUHS short term research grants.

An online meeting on 10/05/2021 at 10.00 am was conducted. On the scheduled day, the meeting began at 10:15 am. It was chaired by Dr.Hemanth.M, Principal, DSCDS, Dr.Nagesh.L Professor and Head, dept. of Public Health Dentistry and Dr. Ramnarayan.B.K Reader dept. of Oral Medicine and Radiology.

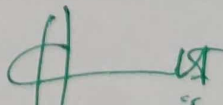
The undergraduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members. The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the committee for the methodological, statistical issues and ethical issue.

A total of 2 synopses were scrutinized for scientific integrity. The details are given below

| SL NO | TITLE | INVESTIGATOR/S | SUBJECT | GUIDE/CO-GUIDE |
|-------|---|-----------------|----------------|--------------------|
| 1 | Comparative Evaluation of wettability of addition silicone elastomeric impression material after applying SIGMADENT and PRIME as surfactant – A randomized control trial. | Ms. Keethana J | Prosthodontics | Dr. Smitha Sharan |
| 2 | Awareness and practice of Forensic Odontology among Law enforcement Agencies in Bengaluru City. | Ms. Sheem Anjum | Oral Pathology | Dr. Krishnanand PS |

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same.


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The 2 research proposal was selected by the committee members to be sent to RGUHS.

The meeting closed by 11:15 am.


Dr. Hemanth .M

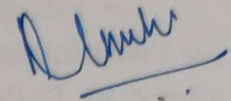
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Dr. Nagesh.L

MEMBER SECRETARY

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DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD

As per the circular dated 22/04/2021 (RGU/ADV.RES/BR/106/2021-22) applications for research grants for teaching faculty working in all affiliated colleges for the year 2021-22 was invited by RGUHS.

Every synopsis was scrutinized by the RD&SC committee for the methodological, statistical issues and scientific integrity by Dr.Ravi Shirahatti on 28/07/2021. After receiving the comments from the committee, investigators were asked to make necessary corrections and resubmit. After which it was sent to IEC for reviewing the ethical integrity by Dr.Chandrashekhar Janakiram on 29/07/2021.Ethical clearance was given for all the synopses.

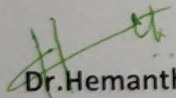
A total of 8 synopses were scrutinized for scientific and ethical integrity. The details are given below

| SL NO | TITLE | INVESTIGATOR/S | SUBJECT |
|-------|---|--|-----------------------------|
| 1 | "Comparative Evaluation of the efficacy of three potential remineralizing agents SDF, SDF with KI and CPP-ACP on incipient lesions in permanent teeth – An in vitro study" | Dr.Smitha.B.Kulkarni and Dr.Sourabha.K.G | Public Health Dentistry |
| 2 | "Developing and Validating an Artificial Intelligence algorithm for automated determination of Pharyngeal airway volume using CBCT images" | Dr.Preethi patil, Dr.Ramnarayan and Dr.Hemanth.M | Oral Medicine And Radiology |
| 3 | Evaluation of Primary Implant stability using Custom designed quantitative ultrasound (QUS) for ultrashort, short and long implants placed in Goat Mandible – An In-Vitro Study | Dr.SmithaSharan and Dr.Brunda | Prosthodontics |

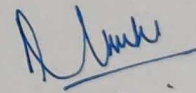

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| | | | |
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| 4 | "Comparative evaluation of Chitosan granules in the treatment of Mandibular Degree II furcation defects – A Randomised controlled split mouth multicentric trial" | Dr.Pallavi Nanaiah.K and Dr.ArchanaNaik | Periodontics |
| 5 | "Prediction of Frontal Facial outline, positioning the eye ball, lateral and medial canthai using interdental Odontometric measurements among Tibetan population in Kushalnagar-An exploratory study." | Dr.Vidya and Dr. Krishnanand PS | Oral Pathology |
| 6 | Evaluation of Stress Patterns in Tilted Implant Techniques for Maxillary Rehabilitation – A Finite Element Study | Dr. Shobha ES Dr. Vinod Rangan Dr. Prashanth NT | Oral & Maxillofacial Surgery |
| 7 | Developing and validating an artificial intelligence algorithm for automated detection of tempormandibular joint Osteoarthritis using Cone Beam Computed Tomography (CBCT) | Dr. Darshana S Nayak Dr. Chaya M David | Oral Medicine & Radiology |
| 8 | "Effect of Periodontal Disease on Heart Rate Variability- An Exploratory Randomized Controlled Trial" | Dr. Archana R Naik Dr. Pallavi Nanaiah Dr.Md. Nizam Al-Deen Shah | Periodontics |

The entire 8 research proposal was selected by the committee and was sent to RGUHS.


Dr.Hemanth .M
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Dr. Nagesh.L
MEMBER SECRETARY
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Member Secretary
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**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Institutional Ethical Committee Minutes

Institutional ethical committee decided to meet on 08/02/2022 at 9:00am at seminar hall, Department of Oral medicine and radiology, DSCDS in order to scrutinize the research synopses submitted by the undergraduate students for the ICMR funded research project.

This was duly communicated to all the members of the committee 15 days prior to the meeting.

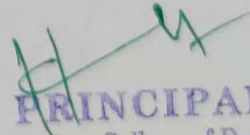
On the scheduled day, the meeting began at 9.15am. It was chaired by Dr.Hemanth.M and the member secretary Dr.Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|----------------------------|---|---|
| Chairperson | Dr.Chandrashekar Janakiram, Professor and head | Public Health Dentistry Amrita School of Dentistry |
| Member Secretary | Dr.Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr.Subramanya Prasad | NA |
| Pharmacologist | Mrs. K.Vasundara | PG Director, DSCE |
| Basic medical scientist | Dr.Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Sociologist | Dr.Tara Madhusudan Prof. & Head | Pharmacology, DSI |
| Lay person | Mr.Nagesh Puranik | NA |

The undergraduate students were instructed to give power point presentation on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity. A total of 18 synopses were scrutinized. The details are given below:


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| SI No | Investigator | Title |
|-------|----------------------|--|
| 1 | Preethi T | Assesment of awareness and applications of forensic odontology among legal professionals in bangalore |
| 2 | Andrea fonseca | Domestic Abuse during Covid Times A Forensic Odontological Perspective among various stakeholders |
| 3 | Ayesha sameen | Psychology and perception of the patient towards orthodontic extraction. |
| 4 | Jeff Patrick | Effectiveness of jet anesthesia in minor oral surgeries on adult patients at a dental institution |
| 5 | Bhavana BA | Knowledge, attitude and practices related to musculoskeletal disorders among dentists of Bangalore city- A Cross sectional survey |
| 6 | Chaitra G | Evaluation of prevalence, knowledge, awareness and practice of orofacial trauma among basketball players in bangalore city- a cross- sectional survey |
| 7 | Aminul hassan laskar | Comparative assessment of remineralizing effect of Cention N and Activa Bioactive on demineralised dentin- An invitro parallel group trial |
| 8 | Sreejani Chowdary | Comparative Evaluation of Physical Properties of Alginate Impression Material Incorporated with and without 1% Water Soluble Chitosan Solution- An Invitro Study |
| 9 | Isani Inara Salim | Assess and compare colour stability of Activa Pronto to nanohybrid composite after periodic exposure to coffee, tea and coca cola- digital imaging technique |

| | | |
|----|----------------|--|
| 10 | Simran Naik | Implications of consuming alternate traditional medications during covid pandemic on oral mucosa. |
| 11 | Shiksha | Analysis of stress propagation across the skull during closed method of maxillary extraction procedure - an fem study |
| 12 | Perumal sowmya | Assessment of knowledge, attitude and practises regarding Child abuse and neglect among government primary school teachers: a cross sectional survey |
| 13 | Tanushree N | Assessment of surface roughness of enamel using pola office and Antivet bleaching agents followed by application of remineralising agent - a profilometric analysis. |
| 14 | Madhura | Young patient's and parental perceptions on orthodontic treatment need |
| 15 | D Sai sreeja | Awareness amongst patients reporting to dental treatment about facial asymmetry- a cross sectional photographic survey |
| 16 | Harshita K | Assessment of perceptions among dental interns of bengaluru city towards rural postings and practice --- a cross sectional survey |
| 17 | Shreshth adavi | Awareness regarding sleep apnoea among dental patients and its treatment by orthodontic appliances". |
| 18 | Tejas Shekar | Assessment of knowledge, attitude, and self-care practices towards oral health among BBMP workers (pourakarmikaru) of Bengaluru south: A cross sectional survey |

The meeting closed by 1:30pm.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same. The ethical clearance letter was issued to all the investigators.



Dr. Chandrashekar Janakiram

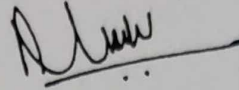
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IEC, DSCDS

Chairperson

Institutional Ethical Committee

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Dr. Nagesh.L

MEMBER SECRETARY

IEC, DSCDS

Member Secretary

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**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Research development and sustenance minutes

As per the circular dated 17/03/2022 (RES/UG-RESEARCH/98/2021-22) by RGUHS a committee was formed by Dr.Hemanth.M, Principal to scrutinize the research proposal submitted by undergraduate students for the RGUHS short term research grants.

The committee decided to meet on 05/05/2022 at 09.30am at lecture hall 1, DSCDS. On the scheduled day, the meeting began at 09:30 am. It was chaired by Dr.Hemanth.M, Principal, DSCDS, Dr.Nagesh.L Professor and Head, dept. of Public Health Dentistry and Dr. Krishnanand Professor and Head, dept. of oral Pathology.

The undergraduate students were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members. The respective guides were also invited to answer the queries when the subject is not able to answer or defend.

Every synopsis was scrutinized by the committee for the methodological, statistical issues and ethical issue.

A total of 7 synopses were scrutinized for scientific integrity. The details are given below

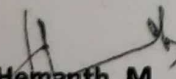
| SL NO | TITLE | INVESTIGATOR/S | SUBJECT | GUIDE/CO-GUIDE |
|-------|--|-------------------|--|----------------|
| 1 | Comparative evaluation of Masticatory performance between Diabetic and Non-Diabetic Complete Denture Wearers – An Observational Study. | Sreejani Chowdary | Department of Prosthodontics | Dr Brunda k |
| 2 | Evaluation of antimicrobial efficacy of biodegradable flax seed gel on perio pathogens- An in-vitro study | Sayani Sarkar | Department of Periodontics | Dr Savitha A M |
| 3 | Occlusal Load propagation on intact mandible, fractured mandible and plated mandible- A FEM study | Apramitha | Department of Oral and Maxillofacial Surgery | Dr Shobha E S |


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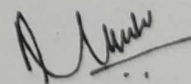
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Bangalore - 560 078.

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| 4 | Comparative evaluation of Chymotrypsin – Trypsin and Serratiopeptidase used post operatively along with Ketorolac in horizontally impacted third molar surgeries | Bhuvanashree | Department of Oral and Maxillofacial Surgery | Dr Vinod Rangan |
| 5 | Knowledge, attitude and awareness towards dental health insurance among the patients visiting a dental college and hospital of Bengaluru city- A | Malavika | Department of Oral Pathology | Dr Sangeetha R |
| 6 | Comparative evaluation of lemongrass and chlorhexidine mouthwash on salivary Ph, salivary buffering capacity, plaque and gingivitis- A cross over trial | Harshitha | Department of Public Health Dentistry | Dr Smitha Kulkarni |
| 7 | Assessment of microleakage in class II restorations with the use of Nanohybrid and bulk fill composite materials- An invitro study. | Radhika | Department of Conservative and Endodontics | Dr Krishna Kumar |

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students and their respective guides with a clear instruction to do the necessary correction and resubmit the same. The 5 research proposal was selected by the committee members to be sent to RGUHS. The meeting closed by 1.00 pm.


Dr.Hemanth .M
CHAIRPERSON
RD&SC

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 Bangalore - 560 078.



Dr. Nagesh.L
MEMBER SECRETARY
RD&SC
Member Secretary

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DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

INSTITUTIONAL REVIEW BOARD

Research development and sustenance minutes

Research development and sustenance decided to meet on 09-06-2022 and 10-06-2022 at 9:00 am in seminar room, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty.

This was duly communicated to all the members of the committee 15 days prior to the meeting.


On both the days (09-06-2022 and 10-06-2022), the meeting began at 9:15 am. It was chaired by Dr.Hemanth.M, the member secretary Dr.Nagesh L and Dr. Ravi Shirahatti Research Methodologist (Online), Mr.Paramashivaiah Biostatistician was present on both the dates. On the first day (09-06-2022) department of Orthodontics, Periodontics and Prosthodontics presented their synopsis. On the second day (10-06-2022) department of conservative and Endodontics, Oral and Maxillofacial Surgery and Faculty (who are submitting proposals for RGUHS faculty grants) gave their presentations.

The following members attended the meeting and placed their valuable inputs.

| SL.NO | SUBJECTS | EXTERNAL EXPERTS | INTERNAL EXPERTS |
|-------|------------------------------|--------------------|---------------------------------------|
| 1 | ORAL SURGERY | Dr.Rajnikanth.B.R | Dr.Shobha.E.S Dr.Prashanth.N.T |
| 2 | CONSERVATIVE AND ENDODONTICS | Dr. Keshava Prasad | Dr.Roopaa.R.Nadig/ Vedavathi.B |
| 3 | PROSTHODONTICS | Dr. Goutham Shetty | Dr.Sarandha.D.L/ Dr.Sreeharsha.T.V |
| 4 | PEDODONTICS | Dr.Anantharaj | Dr.Gargi.S.Murthy |
| 5 | PERIODONTICS | Dr.Shivaprasad.B.M | Dr.Savita.A.M Dr.Archana.R.Naik |
| 6 | ORTHODONTICS | Dr.Prashanth.C.S | Dr.Hemanth.M Dr.Karthik.J.Kabbur |
| 7 | ORAL PATHOLOGY | Dr.Girish | Dr. Krishnanand |

The presenters were instructed to give power point presentations of their synopses and it was followed by assessment from the committee members.

The respective guides were also invited to answer the queries when the subject is not able to answer or defend.


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Every synopsis was scrutinized by the research methodologist and statistics expert for the methodological and statistical issues.

Subject experts reviewed the subject related issues.

A total of 21 synopses were scrutinized for scientific integrity. The details are given below

| SL NO | TITLE | INVESTIGATORS | SUBJECT | GUIDE/CO-GUIDE |
|-------|---|---------------|--|--------------------|
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| 2 | "Comparative Evaluation Of Tear Strength Of Two Platinum Based Maxillofacial Silicone Materials - Silocrest Lsr With And Without Addition Of 2-2.5% Zinc Oxide (Zno) Nanoparticles And Technovent (M511) – An In Vitro Study" | Dr .Sujana S | Department of Prosthodontics | Dr.Sarandha D.L |
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| 7 | "Comparative Evaluation of Microleakage In Class II Cavities Restored With Snow Plow Technique Using Flowable Or Preheated Packable Bulk Fill Composite Resin As Gingival Increment By Dye Extraction Method - An In Vitro Study" | Dr V Geetha | Department of Conservative Dentistry & Endodontics | Dr Ranjini M A |
| 8 | "Comparative Evaluation Of Fracture Resistance Of Overly Flared Endodontically Treated Fractured Anterior Teeth In Three Different Esthetic Posts - An Invitro Study.." | Dr. Kevin Abraham Saju | Department of Conservative Dentistry & Endodontics | Dr.Krishna Kumar G.R |
| 9 | "Comparison Of General Pain Threshold In Healthy Individuals And Temporomandibular Disorder Patients With An Algometer. | Dr. Samiksha Gour | Department of Oral & Maxillofacial Surgery | Dr. Prashanth N.T |
| 10 | "Evaluation Of Implant Stability | Dr. Pooja Vaniyar | Department of | Dr.Shobha E.S, |

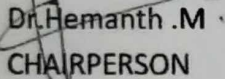
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| 11 | "Comparison of Palatal Rugae Pattern And The Number Of Palatal Rugae Between Subjects With Different Sagittal Skeletal Relationships Visiting The Department Of Orthodontics in Dayananda Sagar College Of Dental Sciences, Bangalore Using Extra Oral Scanning Of Dental Study Cast – A Cross Sectional Prospective Study" | Dr. Adnan A Mandaty | Department of Orthodontics & Dentofacial Orthopaedics | Dr. Goutham K |
| 12 | "Developing And Validating An Orthodontic Artificial Neural Network Tool That Predicts Orthodontic Diagnosis – An AI Study." | Dr. Shantanu Kumar | Department of Orthodontics & Dentofacial Orthopaedics | Dr. Hemanth M |
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| 15 | "Comparative Evaluation Of Plaque Accumulation During Fixed Appliance Treatment, Bonded With | Dr. Chandni Keshri | Department of Orthodontics & Dentofacial | Dr. Karthik J Kabbur |

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| | Conventional Composite And Nano-Particles Containing Composite" - A Split Mouth Randomized Controlled Trial" | | Orthopaedics | |
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| 17 | "Evaluation Of Scaling And Root Planing With Or Without Glycine Powder Air Polishing In The Improvement Of Periodontal Parameters Among Patients With Mild To Moderate Periodontitis - A Split Mouth Randomized Controlled Trial" | Dr. V. Pani Pranavi | Department of Periodontology | Dr.Sunil.S, |
| 18 | "To assess and compare colour stability of Activa Pronto to Nano hybrid composite after periodic exposure to coffee, tea and coca cola- Digital imaging technique" | Miss. Isani Inara Salim | Department of Conservative Dentistry & Endodontics | Dr. Krishna Kumar G.R |
| 19 | "Comparison Of Expression Of Fibroblast Activation Protein-Alpha And Glypican-3 In Oral Premalignancy And Malignancy - A Comparative Study" | Dr. Vidya M.A | Department of Oral Pathology | Dr. Vidya M.A |
| 20 | "Comparative Evaluation Of Citrus Sinensis And Chlorhexidine | Dr. Smitha Kulkarni | Department of Public Health | Dr. Smitha Kulkarni |

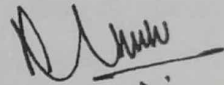
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| | Mouthwash Against Streptococcus Mutans In 18-23 Year Old Adults- An Adoptive Crossover Trial" | | Dentistry | |
| 21 | "Knowledge, Attitude, behavior and practice of post and core therapies for badly broken down endodontically treated teeth by general dental practitioners in Bengaluru city: a cross sectional survey." | Dr. Ashok H.K | Department of Conservative Dentistry & Endodontics | Dr. Ashok H.K |

The meeting closed by 3:30 pm on both the days.

The inputs given by all the reviewers were summarized and sorted out which was followed by a communication to the students, faculty and their respective guides with a clear instruction to do the necessary correction and resubmit the same.


Dr. Hemanth .M
 CHAIRPERSON
 RD&SC
 DSCDS

PRINCIPAL
 Dayananda Sagar College of Dental Sciences
 Kumaraswamy Layout,
 Bangalore - 560 078.


Dr. Nagesh.L
 MEMBER SECRETARY
 RD&SC
 DSCDS

Member Secretary
 Research Development & Sustenance Committee
 Dayananda Sagar College of Dental Sciences
 Shavige Malleshwara Hills, Kumaraswamy Layout,
 Bangalore - 560 078.

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES
INSTITUTIONAL REVIEW BOARD**

Institutional Ethical Committee Minutes


Institutional ethical committee decided to meet on 13-06-2022 at 9:15 am at seminar hall, Department of Orthodontics and Dentofacial Orthopedics, DSCDS in order to scrutinize the research synopses submitted by the post graduates and faculty applying for RGUHS Faculty Research Grants.

This was duly communicated to all the members of the committee 15/3 days prior to the meeting.

On the scheduled days, the meeting began at 9:15 am. It was chaired by Dr.Chandrashekar Janakiram (on line)and the member secretary Dr.Nagesh.L was present.

The following members attended the meeting and placed their valuable inputs

| DESIGNATION | NAME OF THE MEMBER | DEPARTMENT |
|------------------------------------|---|---|
| Chairperson | Dr.Chandrashekar Janakiram, Professor and head | Public Health Dentistry Amrita School of Dentistry |
| Member Secretary | Dr.Nagesh L Prof. & Head | Public Health Dentistry |
| Advocate | Mr.Subramanya Prasad | NA |
| Pharmacologist | Mrs. K.Vasundara | PG Director, DSCE |
| Basic medical scientist | Dr.Rajeswari N Asso. Prof. | Biotechnology, DSI |
| Sociologist | Dr.Tara Madhusudan Prof. & Head | Pharmacology, DSI |
| Lay person | Mr.Nagesh Puranik | NA |


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The post graduate student and faculty were instructed to give 5-8 mins presentation and should have maximum of 8 slides on the ethical aspects of their study and it was followed by assessment from the committee members.

Every synopsis was scrutinized by the ethical committee for the ethical integrity. A total of 21 synopses were scrutinized. The details are given below:

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The meeting closed by 1:15pm.

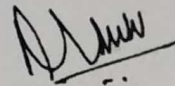
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The ethical clearance letter was issued to all the investigators.



Dr.Chandrashekar Janakiram
CHAIRPERSON
IEC
DSCDS

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Institutional Ethical Committee
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