

Affiliated



ANNOOR DENTAL COLLEGE & HOSPITAL

to Mahatma Gandhi University & Kerala University of Health Sciences

Recognised by Dental Council of India and Govt of India)

Muvattupuzha-686673, Ernakulam Dist, Kerala, India

E Mail: annoordentalcollege@rediffmail.com website: www.annoordentalcollege.org

Ph: 0485-2815217 Fax : 0485-2815817

Criteria 3.3.1. The institution ensures implementation of its stated Code of Ethics for research.



ANNOOR DENTAL COLLEGE & HOSPITAL

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Ph: 0485-2815217 Fax : 0485-2815817

Criteria 3.3.1: All research projects including student projects are subjected to institutional ethics committee clearance.

MINUTES OF ETHICAL COMMITTEE MEETING 2014-19


Dr. Giju George Baby
Principal
Annoor Dental College & Hospital
Muvattupuzha 686673



MINUTES OF INSTITUTIONAL HUMAN ETHICS COMMITTEE MEETING

The IHEC meeting was held at Lecture Hall IV, AnnoorDental College & Hospital, Muvattupuzha on 11.04.19 from 9:00- 12:00 noon.

The meeting commenced with a silent prayer and the meeting was presided by the IHEC Chairman -Dr.Jaimon Yohannan. Dr. Josey Mathew welcomed the ethical committee board members. **The minutes of the previous meeting held on 14.11.18 was presented by the ethics committee chairman and approved by all board members.**

The meeting was attended by 3 IHEC members (3 external and 3 internal). 12 subject experts from the college who constitutes the Board of Institutional Research Committee were referred on the projects related to their area of expertise.

Confidentiality agreement and conflict of interest forms were duly signed by the IHEC members and the subject experts.

List of members attendees:

IHEC members

1. Dr Jaimon Yohannan (Chairman)
2. Dr. Abraham Ittyachen (Clinician)
3. Dr.Badmanaban Ramalingam (Pharmacologist)
4. Dr Pooja Latti (Epidemiologist)
5. Dr. Deepak Thomas (Ethicist)
6. Dr. Priya Thomas (Member Secretary)

Subject Expert Panel Referred

1. Dr Giju George Baby
2. Dr Liza George
3. Dr Jose Paul
4. Dr Denny Joseph
5. Dr. Vinod Korath Abraham
6. Dr. Cherian K.P
7. Dr. Senny Thomas
8. Dr. Vineet Alex
9. Dr. Tharian B Ematty
10. Dr. Rekha Krishnapillai
11. Dr. Josey Mathew
12. Dr. Bindhu P R

The EC review began with a 5 minutes Powerpoint presentation of research protocols by 2 post graduate students of Department of Orthodontics followed by discussions for 3 minutes by the reviewers. The list of Post graduates are mentioned below:


Dr. Giju George Baby
Principal
Annoor Dental College & Hospital
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NAME OF PG	IHEC No:
1. Dr. AthiraJithendranath	019-A/01
2. Dr. ShahanaShereef	017-A/11

28 short projects weresummarized by Dr. Pooja Latti and Dr. Priya Thomas and discussed by the reviewers of the EC.

The names of **Reviewers** who presented their findings are listed below:

1. Dr Jaimon Yohannan
2. Dr Abraham Ittyachen
3. Dr. Badmanaban Ramalingam

The modifications suggested were conveyed to PI through reference letters signed by member¹ secretary. The decision to give the ethical clearance to all the proposals was taken following the resubmission of protocols with minor modifications.

Signature of Member Secretary

Dr. Priya Thomas


Dr. Giju George Baby
Principal
Annoor Dental College & Hospital
Muvattupuzha - 685673



MINUTES OF INSTITUTIONAL HUMAN ETHICS COMMITTEE MEETING

Name of person preparing the minutes: Dr. Priya Thomas, Member secretary

The IHEC meeting was held on 14.11.18 at the board room, AnnoorDental College & Hospital, Muvattupuzha from 9:00- 1:00pm. The meeting commenced with a silent prayer and the IHEC Chairman Dr.Jaimon Yohannan presented a lecture on the ethics of research. The meeting was presided by the Chairman. Confidentiality agreement and conflict of interest forms were duly signed by the IHEC members and the subject experts. The meeting was attended by 8 IHEC members (5 external and 3 internal) and by 12 subject experts.

List of members attendees:

IHEC members

1. Dr Jaimon Yohannan
2. Dr. Abraham Ittyachen
3. Dr. K.S Rishad
4. Dr..Badmanaban Ramalingam
5. Mr. Denny Sebastian
6. Dr Pooja Latti
7. Dr. Deepak Thoma
8. Dr. Priya Thomas

Subject Expert Panel

1. Dr Giju George Baby
2. Dr Liza George
3. Dr Jose Paul
4. Dr Denny Joseph
5. Dr. Vinod Korath Abraham
6. Dr. Cherian K.P
7. Dr. Senny Thomas
8. Dr. Vineet Alex
9. Dr. Tharian B Ematty
10. Dr. Rekha Krishnapillai
11. Dr. Josey Mathew
12. Dr. Bindhu P R

A 5 min Powerpoint presentation of research protocols was carried out by 13 post graduate students of various PG Departments followed by discussions for 3 mins by the reviewers. The list of Post graduates and IHEC number are mentioned below:

NAME OF PG	IHEC No:
1. Dr. Meera Bastian	018-A/05
2. Dr. Riswana AM	018-A/13
3. Dr. Shikhil T Sathyan	018-A/11
4. Dr Mubeena VV	018-A/12
5. Dr. Sruthi M S	018-A/06
6. Dr. Ayisha Nizmiya K	018-A/10
7. Dr. Lithiya Susan John	018-A/02
8. Dr. Vishnu Hari C	018-A/09




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9. Dr. Sethu S	018-A/03
10. Dr. Jesmy K Antony	018-A/04
11. Dr. Jeewan K R	018-A/01
12. Dr. Varsha Ushakar	018-A/07
13. Dr. Veena Venugopal	018-A/08

The names of Primary Reviewers who presented their findings are listed below:

1. Dr Jaimon Yohannan
2. Dr Abraham Ittyachen
3. Dr K.S Rishad
4. Dr. Badmanaban Ramalingam
5. Mr Denny Sebastian

The IHEC meeting was concluded by Principal Dr. Giju George Baby and the Chairman Dr Jaimon. Hard copies of the SOP formulated were distributed to the members and duly signed by all the members. The decision to give the ethical clearance to all the proposals was taken following the resubmission of protocols with minor modifications.


Signature of Member Secretary

Dr. Priya Thomas


Dr. Giju George Baby
Principal
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ANNOOR DENTAL COLLEGE & HOSPITAL
MODIFICATIONS SUGGESTED IN IRB/ETHICAL COMMITTEE PRESENTATION
MDS - 2017-2020 Batch
DATE 16-11-17
TIME: 12:00 P.M. - 3:00 P.M.

Meeting was presided over by Prof. Dr. Sunil Sunny, Chairman and attended by HODs and staff members of various departments. Presentation of synopsis was carried out by 13 Post graduates (batch-2017-2020) of respective PG departments.

Time allotted for the presentation was 8 mins and 2 mins for discussion. Synopsis has to be prepared as per the KUHS guidelines.

	Principal Investigator	Topic
Department of Prosthodontics		
1.	Dr. Ajay Soman	An in-vivo study to compare the stability of dental implants placed using conventional osteotomy and osseodensification procedure in maxilla
2.	Dr. Anjana Thomas	Comparative evaluation of maximum deformation and failure forces at the implant abutment interface with angled and straight abutments in the presence of two levels of bone loss- an Invitro study
3.	Dr. SoorajBabu	Comparative evaluation of change in bone density during osteotomy preparation using bone expanders and osteodensification drill - An in-vivo study
Department of Conservative dentistry		
4.	Dr. Sethu Parvathi A	Evaluation and comparison of apical seal obtained with Biodentine after conditioning of root end with three different solutions using UV visible spectrophotometer – an invitro study
5.	Dr. Anciya Mohamed	Effect of layer thickness on the elution of monomers from two high viscosity Bulk – Fill composites- an HPLC analysis
6.	Dr. Beulah Mary Bejoy	Evaluation and comparison on the wettability of three root canal sealers after three different irrigation activation techniques: an in vitro study
Department of Periodontics		
7.	Dr. Archana N V	Assessment of signs of anemia in chronic periodontitis patients by estimation of red blood parameters
8.	Dr. Akhil S	Determination of the association between serum albumin levels and severity of chronic periodontitis.
Department of Orthodontics		
9.	Dr. Athira B R	Comparison of Cephalometric landmarks for its reliability a 2D and 3D relation
10.	Dr. Haleema Hassan	Agenesis of tooth and its effect on alveolar bone- a CBCT study
11.	Dr. ShahanaShereef	Evaluation of upper airway volume in patients with skeletal class II malocclusion using nasal endoscopy and confirming it with a cone- beam computed tomography (CBCT)
Department of Pedodontics		
12.	Dr. Jincymol K I	To evaluate the effect of oil pulling on the colour stability of GIC and composite restoration: An invitro study

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Principal
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13.	Dr. ReesaBabu	Comparative evaluation of shear bond strength of Cention N with Tetric N Ceram- an in-vitro study
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Hard copy of the Modified synopsis has to be submitted to the office on 20/11/17 for issue of ethical clearance certificate. Synopsis has to be prepared based on the KUHS guidelines, converted to PDF of 150kb size for uploading.


Signature of Member Secretary
Dr. Priya Thomas


Dr. Giju George Baby
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ANNOOR DENTAL COLLEGE & HOSPITAL
MODIFICATIONS SUGGESTED IN ETHICAL COMMITTEE PRESENTATION

MDS - 2016-2019 Batch

DATE 15-12-16

TIME: 11:30 A.M. - 2:00 P.M.

Meeting was presided over by Prof. Dr. Sunil Sunny, Chairman and attended by HODs and staff members of PG departments. Presentation of synopsis was carried out by 14 Post graduates (batch-2014-2015) of respective PG departments.

Time allotted for the presentation was 8 mins and 2 mins for discussion. The suggestions for modifications of the synopsis are documented. Synopsis has to be prepared as per the new KUHS guidelines.

	Principal Investigator	Topic
Department of Prosthodontics		
1.	Dr. Anjali Aravind	Comparative evaluation of microleakage at implant abutment connections between two types of abutments under cyclic loading: an invitro study
2.	Dr. Arya Sudarsanan	Comparative evaluation of torque loss in implant abutment screws with two different abutment angulations after cyclic loading: an invitro study
3.	Dr. BelminBenjamine	Comparison of accuracy of impressions using splinted and non splinted impression techniques for multiple implants: an invitro study
Department of Conservative dentistry		
4.	Dr. AfinUmmar	Evaluation and comparison of restorative materials Cention- N, Equia, Tetric N Ceram in artificial saliva at different time intervals using FTIR (Fourier transform infrared spectroscopy) – an invitro study
5.	Dr. Sonu Baby	Comparative evaluation of enamel remineralization on the combined effect of diode laser with two different remineralizing agents using PH cycling model- A surface microhardness study
6.	Dr. Tina Anto	Comparative evaluation of dentinal cracks formation in the root canals instruments with hand, rotary and reciprocating files system: an in vitro study
Department of Periodontics		
7.	Dr. AchuJerard	Estimation of Endotoxemia associated with phase 1 periodontal therapy: A Clinico-Biochemical study
8.	Dr. Bini Varghese	Determination of the association between psychological stress and periodontal disease utilizing Serum Cortisol levels- A Case Control Study
9.	Dr. Rani Bhargavan	Estimation of oral neutrophil counts following periodontal therapy in patients with chronic periodontal disease utilizing a standardized oral rinse
Department of Orthodontics		
10.	Dr. Anju Antony	To evaluate and compare the stress distribution during anterior intrusion using implants at two different sites in Class II Div II malocclusion: A finite element study
11.	Dr. Lincy Stephan	To determine the effect of 'V'bend on a stiff rectangular stainless steel archwire of dimension 19X25 SS during fixed orthodontic treatment in relation to upper anterior teeth: A Finite Element analysis
12.	Dr. Nitheesh Raghunathan	To evaluate the biomechanical response of the root apex and periodontium when subjected to different types of orthodontic tooth movements and its relation to root resorption: 3D FEM study

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Department of Oral Pathology		
13.	Dr. Nissy Mathew	Immunohistochemical expression of CD68 and lysozyme in Oral Epithelial Dysplasia and Oral Squamous Cell Carcinoma
14.	Dr. Sapna Chandran	Immunohistochemical expression of SOX2 in Oral Epithelial Dysplasia and Oral Squamous Cell Carcinoma

Hard copy of the Modified synopsis has to be submitted to the office on 20/12/16 for issue of ethical clearance certificate. Synopsis has to be prepared based on the new KUHS guidelines with approx 500 words converted to PDF of 150kb size for uploading.

Signature of member secretary



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Principal
Annoor Dental College & Hospital
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ANNOOR DENTAL COLLEGE & HOSPITAL
MINUTES OF ETHICAL COMMITTEE PRESENTATION

MDS - 2014-2015 Batch

DATE 22-1-15

TIME: 11:30A.M. - 2:20P.M.

Meeting was presided over by Prof. Dr. Sunil Sunny, Chairman and attended by HODs and staff members of PG departments. Presentation of synopsis was carried out by 13 Post graduates (Batch-2014-2017) of respective PG departments. Time allotted for the presentation was 8mins and 5 mins for discussion. The queries and suggestions for modifications of the synopsis are documented

	Principal Investigator	Topic
Department of Oral Pathology		
1.	Dr. Rose Mary David	Immunohistochemical expression of CD44 in oral squamous cell carcinoma & malignant salivary gland tumours
Department of Prosthodontics		
2.	Dr. Prisly Thomas	Evaluation of retention of single implant retained mandibular over-denture in comparison with two implant retained over-denture
3.	Dr. Diana P R	An invitro study to compare the dimensional accuracy of alternative & extended pour irreversible hydrocolloid with additional silicone
4.	Dr. Hridya Raj K	Comparative evaluation of flexural strength of two commercially available flexible denture base materials: An invitro study
Department of Conservative dentistry		
5.	Dr. Noble Joy	Assessment & comparison of enamel remineralization with different remineralizing agents using PH cycling model- A SEM- EDAX study
6.	Dr. Gilda	To evaluate & compare the shear bond strength of three different composites to biodentine at different time intervals: An invitro study
7.	Dr. Melvin	Comparative evaluation of three different irrigation systems in the removal of calcium hydroxide from the root canal- A SEM invitro study
Department of Periodontics		
8.	Dr. Jiss Antony	Quantification of oral neutrophil count in periodontal health and disease utilizing a standardized oral rinse
9.	Dr. Rifat Salma	Histological evaluation of epithelial thickness, microvasculature & number of mast cells in the gingiva of smokers and non-smokers with chronic periodontitis
10.	Dr. Aswathy	Determination of the correlation between dermatoglyphics and periodontitis – A case control study
Department of Orthodontics		
11.	Dr. Neethu	Dimensional accuracy & torque expressivity in insert sacrificed slot casting method, compared with other methods of bracket manufacturing in lingual orthodontics: An invitro study
12.	Dr. Amla	Comparative evaluation of metal adhesive resin influence in bond strength of lingual brackets with different base pattern: An invitro study
13.	Dr. Anvar	Methods of ensuring the accuracy in bonding & rebonding in fully customized lingual orthodontic bracket: An invitro study

Signature of Member Secretary

Dr. Priya Thomas

Dr. Giju George
Principal
Annoor Dental College & Hospital
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ANNOOR DENTAL COLLEGE & HOSPITAL
MINUTES OF ETHICAL COMMITTEE PRESENTATION

MDS - 2013-2016 Batch

DATE 23-1-14

TIME: 11:30A.M. - 2:20P.M.

Meeting was presided over by Prof. Dr. B. R Naik, Chairman and attended by HODs and staff members of PG departments. Presentation of synopsis was carried out by 13 Post graduates (batch-2013-2016) of respective PG departments. Time allotted for the presentation was 8mins and 5 mins for discussion. The queries and suggestions for modifications of the synopsis are archived and informed to the principal investigators

	Principal Investigator	Topic
Department of Oral Pathology		
1.	Dr. Arun B S	DNA isolation from dentin- cementum complex and sex determination using polymerase chain reaction: an in-vitro study
2.	Dr. Shilpa CN	Immunohistochemical expression of Podoplanin and Fascin in Oral Epithelial Dysplasia, Oral Submucous Fibrosis and Oral Squamous Cell Carcinoma
3.	Dr. Jose George	Immunohistochemical expression of dendritic cells using Fascin and CD-1a in Oral Lichen Planus
Department of Prosthodontics		
4.	Dr. Fathima Seeti	Comparative study of impact and flexural strength of injection moulded and compression moulded technique on high impact denture base resins: An invitro study
5.	Dr. Parvathy Raj	A comparative analysis of stress distribution at the core veneer interface of Cobalt Chromium alloy, Lithium disilicate reinforced glass ceramic and Zirconia based fixed partial dentures- 3-D FEM study
6.	Dr. Ida Lizabeth Charles	Influence of metal laser sintering and induction casting techniques on the mechanical properties and microstructure of commercially available Cobalt Chromium dental alloy: an in-vitro study
Department of Conservative dentistry		
7.	Dr. Allu Baby	Evaluation and comparison of the effect of Propolis solution and 10% Sodium ascorbate solution on the shear bond strength of composite resin bonded to 10% Carbamide peroxide bleached enamel an invitro study
8.	Dr. Shabeer Ummer	Evaluation Of Antimicrobial Efficacy Of Grape Seed Extract (VitisVinifera), White Pepper Extract (Piper Nigrum), 5% Sodium Hypochlorite And 2% Chlorhexidine Gluconate Against Enterococcus Faecalis Biofilm: An Invitro Study
9.	Dr. Helma	An invitro evaluation and comparison of push out bond strength of fiber posts bonded with three different agents and resin cements

Member Secretary
Dr Sunil Sunny



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INSTITUTIONAL ETHICAL COMMITTEE MEMBERS

&

INSTITUTIONAL RESEARCH COMMITTEE MEMBERS




Dr. Giju George Baby
Principal
Annoor Dental College & Hospital
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ANNOOR DENTAL COLLEGE & HOSPITAL, MUVATTUPUZHA

ETHICAL COMMITTEE MEMBERS

1.	Chairperson	Dr. Jaimon Yohannan	PhD – Microwave Engineering
2.	Basic medical scientist	Dr. K.S Rishad	PhD- Microbiology
3.	Pharmacologist	Dr. Badmanaban	M. Pharm, PhD
4.	Clinician	Dr. Binoy Mathai	MD- General Medicine
5.		Dr. Abraham Ittyachen	MD- General Medicine, PGD Epidemiology
6.	Legal expert	Adv. JohnyMethipara	BA, LLB
7.	Ethicist	Dr. Deepak Thomas	MDS, PGCE
8.	Biostatistician	Mr. Denny Sebastian	MSc. Statistics
9.		Mr. Jitto Jose	M.Phil Statistics
10.	Epidemiologist	Dr. Pooja Latti	MDS- Public health Dentistry
11.	Social scientist	Mrs. Somy Peter	MA Economics
12.	Philosophy	Dr. Leena George	MSc Philosophy-Child development
13.	Lay person	Mr. Kareem	B. Com
14.	Member secretary	Dr Priya Thomas	MDS- Oral Pathology, PGDBE




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ANNOOR DENTAL COLLEGE & HOSPITAL, MUVATTUPUZHA

RESEARCH CELL/ SUBJECT EXPERT PANEL

INSTITUTIONAL RESEARCH COMMITTEE

1.	Dr. Giju George Baby	Chairman
2.	Dr. Liza George	Vice Chairman
3.	Dr. Vineet Alex	MDS- Oral Medicine
4.	Dr. Josey Mathew	MDS- Conservative
5.	Dr. Vineeth R V	
6.	Dr. Jose Paul	MDS- Periodontics
7.	Dr. Johnson D'Lima	
8.	Dr. Senny Thomas	
9.	Dr. Pooja Latti	MDS – Public Health Dentistry
10.	Dr. Cherian K P	MDS- Prosthodontics
11.	Dr. Jyothi KS	
12.	Dr. Tharain B Emmatty	MDS- Pedodontics
13.	Dr. Bijimol Jose	
14.	Dr. Gopi Krishnan	MDS- Orthodontics
15.	Dr. Pradeep George Philip	MDS- Orthodontics
16.	Dr. Deepu George Mathew	MDS- Oral Pathology
17.	Dr. Priya Thomas	
18.	Dr. Eldhose K George	MDS Oral Surgery



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Plagiarism check software based on the institutional policy



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Plagiarism check report

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PLAGIARISM SCAN REPORT

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Calsretinin is a 29-kDa vitamin D-dependent calcium-binding protein specific to the nervous system, named so on its initial characterization in retina, and involved in calcium signaling. The calretinin gene was first isolated from a cDNA clone from the chick retina and shows 60% homology with the calbindin1.

Being a cell specific protein its abundantly expressed in central and peripheral neural tissues, present within the subsets of neurons throughout the brain and spinal cord, in the neurons of sensory pathways, retina 1, 2, germinal epithelium of the ovary 3 the adrenal glands, 4 tendon fibroblasts, 5 Leydig cells, 6 thymus 7 and many pathological human tissues. It is a member of the large family of EF-hand proteins. The EF-hand homologue family contains more than 200 different calcium-binding proteins; among them are calretinin, calmodulin, troponin C, myosin-regulatory light chain, parvalbumin, S-100 proteins and calbindins 9 and 28 kDa. EF-hand proteins are characterized by a peculiar amino acid sequence that folds up into a helix-loop-helix which acts as the calcium-binding site, calretinin contains six such EF-hand stretches. 8

The exact biological function of calretinin remains unknown but its role as a calcium buffer preventing an abnormal intracellular calcium increase 9, 10, 11, calcium modulators and regulator of apoptosis have been postulated. 12 Recent studies on transgenic mice have also revealed that these molecules play pivotal roles in Ca^{2+} homeostasis and signalling. The expression of calretinin, calmodulin, parvalbumin and calbindin has been of particular interest in the field of neuro-anatomy 10 However, its expression outside the nervous system has been less extensively characterized and many studies have been performed on non-human tissues like rat brain. In the tooth pulp, myelinated and unmyelinated fibers of the tooth pulp were found to be calretinin immunoreactive fibers, which projected as varicose terminals to the subodontoblastic and odontoblastic layers. 13

Calretinin has been identified as a definitive marker for mesotheliomas in the immunohistochemistry panel, and has also been demonstrated in some carcinomas and adenocarcinomas of lung, breast, pancreas, ovary and other tumours like ameloblastoma. In some tumors, calretinin immunoreactivity appeared to be acquired following neoplastic transformation. 14 These binding proteins have been expressed in squamous metaplasia of acanthomatous ameloblastoma. Calretinin is also expressed in mast cells and mast cell lesions of the skin. 15

Epithelial dysplasia may be morphological phenotypes of different steps in the progression from normal to malignant tissue. Malignancy, a two step process with the presence of an initial precursor lesion and its subsequent potentiality to develop into a carcinoma has been recognized. The presence of epithelial dysplasia is commonly accepted as one of the most important predictors of malignant transformation in potentially malignant disorders. Dysplasia is a precursor risk of malignant change. More severe the grade of dysplasia, greater is the risk of malignant change. However, the binding proteins have not been demonstrated in oral epithelial dysplasia. The aim of this study was to investigate the calretinin expression in oral epithelial dysplasia and its possible role in immunohistochemical marker in the grading of dysplasia.

Sources	Similarity
	100%



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Page 2

EF-hand proteins are characterized by a peculiar amino acid sequence that folds up into a helix-loop-helix that acts as a calcium-binding site. Calretinin contains six such EF-hand stretches. The calretinin gene was initially isolated from a

<https://books.google.com/books?id-V7YIDQAAQBAJ>



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INSTITUTIONAL CODE OF RESEARCH ETHICS AND PUBLICATION GUIDELINES


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Ph: 0485-2815217, 2815917, 0485-2838000 (30 Lines) Fax : 0485-2815817

Institutional Code of Ethics for Research/ Research Policy

Research and scientific knowledge has an impact on the economic and societal development. Science and innovation is initiated and promoted at the institution and forms the mission of Annoor Dental College & Research Center. Research is the foundation of knowledge, promotes innovative ambience among faculties and students. The Research Center aims to do impart quality research and share the benefits of the research for the betterment of the society.

The quality and credibility of research is dependent on the integrity of the researchers who have a significant social responsibility to abide by the standards prescribed by the profession and by the institution.

The Code of Ethics for Institutional Research is developed to set the ethical principles and standards that will guide the work of institutional researchers. All research must follow appropriate ethical, legal and professional frameworks. The Code-of Ethics for Research Practice have been composed at par with the principles laid out in relevant policies, guidelines and codes of conduct.

Responsible Conduct of Research involves planning and conducting research, reviewing and reporting research, responsible authorship and publication of the research work. The research teams are expected to maintain highest standards to uphold the fundamental values of research.

1. PURPOSE:

To ensure highest professional and ethical standards for research at all stages from its commencement, maintaining honesty and accuracy in conduct of research, judicious use of resources, ensuring accountability, transparency, declaration and management of Conflict of




Dr. Giju George Baby
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Interest, reliable data acquisition, handling, integrity in analysis, reporting, publication and translation for the benefit of society.

The policy is also intended to provide procedures to manage allegations of research misconduct to be processed fairly, confidentially and rapidly.

All members of the Institution are individually responsible to ensure their work is conducted in accordance with the institutional values and policies that form the part of the terms and conditions of the project. Disregard to this policy may lead to failure of assessed work, suspension of research projects, and/or funding from research sponsors and consent to publish.

2. SCOPE:

This policy applies to all the faculty, students, interns and visiting researchers of the Institution, who engages in research activities within or on behalf of the institution. It provides a guideline to overcome/eliminate any sort of misconduct which may happen at any stage and improve the quality of research for better outcomes.

3. RESPONSIBILITY:

All stakeholders involved in the conduct, review or reporting of research (institution, researchers, Guides, scientific review committee and ethics committee) must ensure research integrity and quality thereby upholding the trust of research participants and meaningful translation of research findings for benefit of the community while ensuring astute use of resources.

4. RESPONSIBLE CONDUCT OF RESEARCH (RCR):

4.1. All biomedical and health research must follow ICMR National Ethical Guidelines, other guidelines and maintain research integrity in the conduct of research while ensuring safety of research participants.

4.2. All researchers should obtain approval from Institutional Research/ Scientific Committee (IRC), Institutional Human Ethics Committee (IHEC), Central Drug Standard Control Organization



Dr. Giju George Baby
Principal
Annoor Dental College & Hospital
Muvattupuzha - 686673

(CDSCO) and Animal ethics committee before initiating any research as per the norms. Registration with Clinical Trial Registry-India (CTRI) is mandatory for clinical trials.

4.3. Research should be undertaken by qualified, competent persons, having relevant experience / training to collect reliable data, undertake accurate analysis, interpretation and publication.

4.4. Researchers should undertake only meaningful and quality research, be accountable to outcomes and take needful steps to protect participants from risks, respecting the autonomy of participants

4.5. Researchers, guides and EC must declare COI, if any. Conflict of Interest (COI) both academic and financial may have serious implications and threaten quality of research and its outcomes.

4.6. All raw data should be securely stored by the investigator. Confidentiality should be maintained all levels of research. The research records should be maintained for 3 years in case of biomedical and health research and 5 years for clinical trials as per regulatory requirements.

4.7. Investigations are carried out with due process and in fairness to all parties. Transparency and uniformity should be maintained.

4.8. Researchers are also required to submit continuing review/ annual report and final report to ethics committee for review.

4.9. Mentors should devote sufficient time to guide and ensure that their trainees conduct research honestly and should hold the responsibility to undertake proper conduct of research.

4.10. For collaborative research there may be requirement for having appropriate memorandums of understanding (MoU) and material transfer agreements (MTA) in place.

5. REPORTING AND PUBLICATION:

5.1. Completed research irrespective of results must be published and shared on public databases, institute websites and other available relevant platforms.

5.2. Any form Plagiarism/ self-plagiarism or research misconduct (fabrication, falsification), misrepresenting other peoples work as one's own etc will not be accepted. Researchers must ensure authenticity of research results before publishing or disseminating information out of the Institution.

5.3. Any manuscript must be checked for plagiarism using the tool available as an open source and the report of the validated manuscript should be produced before submission.

5.4. Researchers should follow guidelines of International Committee of Medical Journal Editors (ICMJE), Committee on Publication Ethics (COPE) on publication ethics.

5.5. Contributions of all authors should be clearly identified/justified may be declared at the time of project initiation. Authorship should be duly given to all those who have substantially and scientifically contributed to the research and may include permanent as well as contractual/ temporary staff. Ghost authorship and gifted authorship are not allowed.

5.6. The articles should not be submitted to any predatory journal for publication.

6. REPORTING AND REVIEW OF RESEARCH MISCONDUCT AND ALLEGATIONS:

It is of crucial importance that researchers master the knowledge, methodologies and ethical practices associated with the field. Failing to practice good research practices violates professional responsibilities, damages the research culture and undermines the credibility of research.

6.1. The allegations regarding research misconduct can be reported directly to IHEC or the Research Committee Chairman with proper evidence and justification. Complainant can provide description of misconduct along with supporting documents. If misconduct has happened, the level of misconduct and level of plagiarism will be determined.

6.2. In case of suspected research misconduct or allegation, a 2-3 member enquiry committee (one external) will be appointed to evaluate misconduct and to suggest the further course of action, including punitive/ disciplinary action will be levied against persons for whom an allegation of misconduct is upheld. The enquiry should be time bound and completed within a



Dr. Giju George Babu
Principal
Annoor Dental College & Hospital
Muvattupuzha - 686673

period of 3 months from date of receiving the complaint. The enquiry committee would take final decision through broad consensus or majority vote.

6.3. The investigation should be kept confidential to safeguard the rights of concerned parties. Every effort should be made to safeguard interests of the complainant and respondent. It would suggest needful action based on seriousness of research misconduct such as issue warning, suspend research, and suggest penalty or other action.

6.4. If misconduct has not happened, complaint will be closed.

7. TRAINING:

Needful trainings/workshops should be held periodically for newly recruited/appointed scientific/ research/technical staff as an orientation and induction practice to create awareness towards research integrity. Continued education and training is also necessary to keep researchers apprised of contemporary issues related to research integrity and publication ethics.

