

3.2.1 The institution has created an ecosystem for innovations including incubation and other initiatives for creation and transfer of knowledge.



PRIYADARSHINI
DENTAL COLLEGE AND HOSPITAL

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LIST OF COMPLETED PROJECTS 2022-23

S.NO	NAME OF STAFF	TITLE OF ARTICLE	NAME OF JOURNAL	STATUS OF ARTICLE
1.	Dr. Sivapathasundharam. B	Juvenile ossifying fibroma of maxilla: Concurrent presentation of psammomatoid and trabecular variant	Journal of Oral and Maxillofacial Pathology	Published
2.	Dr. Sivapathasundharam. B	Therapeutic awareness trends of dentistry among public in tamilnadu: a web engine search based study	Journal of Indian dental association	Published
3.	Dr. MRC Rajeswari	Consanguineous marriage as a key indicator of isolated congenital dental anomaly among south indian population – a cross sectional study		Published
4.	Dr. R. Veerakumar, Dr. K. Nivedhitha, Dr. Gayathri Gopinath	Conservative management of a rare presentation of mucosal fenestration in a four year old child – a case report	Cureus	Published
5.	Dr. Veerakumar, Dr. D. Rupak Kumar, Dr. J. Pavithraa, Dr. P. Tharini	CASE REPORT: Generalized microdontia multiple retained primary teeth: A diagnostic dilemma	Global journal for research analysis	Published
6.	Dr. D. Rupak Kumar	Virtual reality distraction : a novel behavior management techniques	Journal of Pharmacy and Bioallied Sciences	Accepted – yet to be Published
7.	Dr. A. Jayasenthil, Dr. R. Anjana, Dr. G. Sree vidya	Evaluation of the anxiety among the	IP Annals of Prosthodontics and	Published

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		undergraduates during endodontic treatment	Restorative Dentistry	
8.	Dr. Jayasenthil. A, Dr. Anjana. R, Dr. R.S.Mohan, Dr. Y. Reeja	A survey of the knowledge and awareness on intracanal medicaments in endodontics practice among both the general practitioner and non endodontist specialities of tamilnadu	IP Annals of Prosthodontics and Restorative Dentistry	Published
9.	Dr. Jayasenthil. A, Dr. K. Yoga Padma	Effect of different rotary instrument on crack formation after coronal preflaring of root dentin – a stereomicroscopic analysis	Biogecko	Accepted
10.	Dr. Jayasenthil. A, Dr. Anjana. R, Dr. Sree Vidya. G	Comparing the effectiveness of different desensitising agents in the treatment of dentin hypersensitivity- an In-Vitro study	Journal of clinical and otorhinolaryngology, head, and neck surgery	Accepted
11.	Dr. Jayasenthil. A Dr. Sree Vidya. G Dr. R. Anjana	Clinical efficacy of three desensitizing agents in treating dentin hypersensitivity: a randomized clinical trial	Journal of Maharaja Sayajirao University of Baroda	Accepted
12.	Dr. Vijayalakshmi.G, Dr. A. Saneem Ahamed, Dr. MRC Rajeswari B Dr. Prem Karthick.B, Dr. A Jayasenthil	Cemento ossifying fibroid epulis in the posterior maxilla	Cureus	Published
13.	Dr. Vijayalakshmi.G, Dr. Saneem Ahamed, Dr. Nithin Dr. Kapil Dev Kumar	Surgical correction of post traumatic residual deformity of the mandible : a case report	Cureus	Published

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14.	Dr. R.Ganesh, Dr. Sasikala. M. M, Dr. Selvamani. B	Assessment of morningness and sleepiness among dental undergraduate students in Thiruvallur district	Current medicine, research and practice	Accepted
15.	Dr. Ganesh, Dr. Selvamani. B, Dr. Sasikala. M	Assessment of oral health status between systemic diseases and healthy individual among automobile industrial workers in ambattur estate, Thiruvallur – a cross sectional study	Chettinad Health and Medical Journal	Accepted
16.	Dr. Ganesh, Dr. Selvamani.B, Dr.Sasikala.M	Analysis of interest of google user(wed,google image & youtube) on oral health information	Journal of academy of dental education	Accepted
17.	Dr. Ganesh, Dr. Selvamani.B, Dr.Sasikala.M	Assessment of oral health status of differently abled children in avadi taluk and Thiruvallur district – a cross sectional study	Journal of dental research and review	Accepted
18.	Dr. Ganesh, Dr. Selvamani. B, Dr. Sasikala. M	Impact of internet information on dentist patient relationship	Journal of Mahatma Gandhi institute of medical sciences	Accepted
19.	Dr. Ganesh, Dr. Selvamani. B, Dr. Sasikala. M	Assessment of mental health status among health care worker during covid 19 pandemic at Chennai and Thiruvallur a cross sectional study	Journal of Dr. NTR University of Health Sciences	Accepted
20.	Dr. T. Anjan Kumar Dr. Dobby Lokanathan Balaji, Dr. Ch. Revanth Dr. Surabhi Halder,	Effect Of Aging On Colour Stability Of Monolithic Multilayered Zirconia	European Chemical Bulletin. 2023	Published

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		Crowns - An In Vitro Study.		
21.	Dr. Sheela Kumari. K	Esthetic approach for rehabilitation of long span edentulous arch using artificial intelligence.	Cureus	Published
22.	Dr. Surabhi Halder, Dr. Abby Abraham	Prosthetic Rehabilitation of missing mandibular molar using friction fit zirconia crown over dual one piece narrow diameter implants.	International Journal of Creative Research Thoughts.	Published
23.	Dr. Gnanambigai.K	Mucous extravasation phenomenon – a clinicopathologic evaluation of 68 cases	Journal of Oral and Maxillofacial Pathology	Accepted
24.	Dr. Gnanambigai.K, Dr. B. Sivapathasundharam Dr. Rajeswari. MRC, Dr. B. Prem Karthick	Evaluation of knowledge, attitude, practice and awareness of artificial intelligence among dentist and dental students – a cross sectional online survey	Cureus	Published
25.	Dr. Gnanambigai. K	Areca nut cultivators from Tamil Nadu: Is the nut their friend or foe – a questionnaire study	Journal of Dento maxilla facial Science	Accepted
26.	Dr. MRC Rajeshwari, Dr. Prem Karthick. B, Dr. Gnanambigai.K	Knowledge of dental ethics and jurisprudence among dental professionals	Magna scientia advanced research and reviews	Published
27.	Dr. Gnanambigai.K	E-Cadherin Expression in premalignant lesions, premalignant conditions, oral squamous cell carcinoma and normal mucosa : an	Cureus	Published

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		immunohistochemical study		
28.	Dr. M. R. C.Rajeswari	Consanguineous marriage as a key indicator of isolated congenital dental anomaly among south indian population – a cross sectional study	Journal of oral and maxillofacial pathology	Published
29.	Dr. MRC. Rajeswari, Dr. Prem Karthick. B	Correlation between dental anomalies and blood group	Journal of dental research and review	Published
30.	Dr. Ashok Pothuri, Dr Vijay Adhith.C	Complex malocclusion an efficient treatment option – tip edge appliance : case report	IJDS	Published
31.	Dr Linges h Kumar. N Dr. Vijayadhith.C, Dr. Ashok Pothuri, Dr. Mohanakrishnan. P. J	Knowledge, attitude and practice of soft tissue laser by orthodontist among dental practitioners	IJCRT	Published
32.	Dr. Ashok Pothuri, Dr. Vijayadhith.C, Dr. N.Linges h Kumar, Dr. Mohanakrishnan. P. J	Non extraction treatment of class II div 2 malocclusion with forsus- a case report	IJCRT	Published
33.	Dr. Linges h Kumar. N	Labial frenectomy- clinicians perspective	Journal of maharaja Sayajirao university of Baroda	Accepted
34.	Dr. Ashok Pothuri.Sr, Dr. Mohanakrishnan, P.J Dr. N.Linges h Kumar, Dr. Mothikrishna. N Dr. Vijayadhith Chinnapan	New trends in treating class II Division 2 subdivision: a case report	Cureus	Published
35.	Dr. Mohana Krishnan P.J, Dr. Vijayadhith.C, Dr. Ashok Pothuri	Facemask and rapid maxillary expansion with alternative rapid maxillary expansion and	Cureus	Peer-reviewed

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		constriction protocol in the management of skeletal class III		
36.	Dr. Paavai Ilango, Dr. Gomathi. G. D, Dr. T. Abirami, Dr. Ayswarya V Vummidi	Awareness of LASER in Periodontal Therapy among Periodontal Practitioners in Chennai: A Questionnaire Survey.	Journal of Indian Association of Public Health Dentistry	Published
37.	Dr. Paavai Ilango, Dr. V. Vasanth Ayswarya, Dr. Gomathi. G. D	Covid 19 susceptibility among ABO/Rh Blood groups in Tamilnadu Population: A Retrospective Case Control Study.	Journal of Indian Association of Public Health Dentistry	Published
38.	Dr. I. Paavai	Association of pentraxin in periodontitis with coronary artery disease.	Journal of Indian society of periodontology.	Accepted
39.	Dr. I. Paavai Dr. V. Vasanth Ayswarya Dr. T. Abirami,	Evidence linking the association of periodontal viruses and pentraxins in periodontitis patients with coronary artery disease.	Journal of Periodontology.	Published
40.	Dr. I. Paavai, , Dr. T. Abirami,	Association of EBV, CMV and lipocalin with periodontitis in Type 2 Diabetes Mellitus subjects.	Oral disease	Published
51	Dr. I. Paavai, Dr. T. Abirami,	Evaluation of the periodontal viruses in cardiovascular patients associated with periodontitis	Oral Diseases	Published
41.	Dr. G. D. Gomathi	Effects of non-surgical periodontal therapy on saliva and gingival crevicular fluid levels of chemerin in	Cureus	Published

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		periodontitis subjects with and without type 2 diabetes mellitus		
42.	Dr. Ayswarya V Vummidi, Dr. Paavai Ilango, Dr. T. Abirami, Dr. G.D.Gomathi,	Comparison of Gingival crevicular blood and capillary finger prick blood in the assessment of blood glucose levels in gingivitis and periodontitis.	World Journal of Dentistry	Published

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LIST OF ONGOING PROJECTS 2022-23

S.NO.	TITLE	DEPARTMENT	STATUS
1.	Comparitive study on association of oral lesion with levels of hemoglobin and erythrocytes sedimentation rate in smokers and non smokers.	Oral medicine and radiology	On going
2.	Prevalence of geographic tongue in patient with and without systemic disorders and also comparison of serum iron zinc vitamin B 12 levels with symptomatic and non symptomatic patients.	Oral medicine and radiology	On going
3.	Assessment of thickness of maseter muscle in partially edentulous patients using ultra sonography.	Oral medicine and radiology	On going
4.	Prevalence of franks sign in smokers and non smokers with or without coronary artery disease among dental out patients.	Oral medicine and radiology	On going
5.	Prevalence of oral pigmentation in dental outpatients with or without systemic disease.	Oral medicine and radiology	On going
6.	Prevalence of geographical tongue in patients with or without systemic disease.	Oral medicine and radiology	On going
7.	Prevalence of smokeless tobacco lesions in dental outpatients.	Oral medicine and radiology	On going
8.	Evaluation of gingival biotype and its association with tooth shape in Thiruvallur population.	Periodontology	On going
9.	Analysis of characteristics of gingival stippling – An original study.	Periodontology	On going
10.	Efficacy of analysis of periodontal curette by optical microscopy.	Periodontology	On going
11.	Evaluation of Intra oral temperature in different sites of healthy individual.	Periodontology	On going

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12.	Evaluation of clinical and microbiological efficacy of a novel LDD agent with pomegranate extract in periodontitis.	Periodontology	On going
13.	Comparative evaluation of key periodontal pathogens among coronary heart disease and valvular heart diseases in periodontitis subjects.	Periodontology	On going
14.	Assessment of cytogenic damage in chronic periodontitis and type 2 diabetes mellitus subjects through micronucleus test.	Periodontology	On going
15.	Monitoring the healthy dental surgeon vitals before and immediately after performing extraction – A randomised study.	Oral and maxillofacial surgery	On going
16.	Role of virtual surgical planning in oral and maxillofacial surgery.	Oral and maxillofacial surgery	On going
17.	The influence of glycemic control over post extraction healing in diabetic patients.	Oral and maxillofacial surgery	On going
18.	Critical evaluation of incidence and prevalence of white spot lesion in patients having adverse oral habits.	Orthodontics	On going
19.	Therapeutic extraction effects on golden proportion of the face.	Orthodontics	On going
20.	Miniplat anchored skeletal class 3 correction case report.	Orthodontics	On going
21.	Frontal sinus dimension in different malocclusion.	Orthodontics	On going
22.	A comparative study on orthodontic patient with the effect of nicotine on orthodontic elastic ligature in tobacco user and non smoker.	Orthodontics	On going
23.	Evaluation of oral stereognostic ability among dentulous, partially edentulous and completely edentulous patients – a cross sectional study.	Oral pathology	On going
24.	Correlation between tongue print with finger print as personal identification.	Oral pathology	On going
25.	Awareness among middle school children about dental health care in Thiruvallur.	Oral pathology	On going

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26.	Evaluation of lip prints and their relation with gender, BMI and blood group of individuals in south indian population.	Oral pathology	On going
27.	Evaluation of lip print patterns and their relationship with premolar occlusions among college students.	Oral pathology	On going
28.	Evaluation of demographic pattern and their relationship with gender, blood group and DMFT index among adults.	Oral pathology	On going
29.	Assessment of occlusal groove patterns in permanent mandibular first and second molars among various blood groups in students.	Oral pathology	On going
30.	Comparative evaluation of antimicrobial efficacy of punica granatum and psidium gujava leaf extract against enterococcus fecalis and candida albicans.	Conservative dentistry and endodontics	On going
31.	Evaluation of three different polishing system on the surface roughness of packable and flowable composite resin material.	Conservative dentistry and endodontics	On going
32.	Comparing the clinical efficacy of various agents in direct pulp capping a randomized controlled trial.	Conservative dentistry and endodontics	On going
33.	A clinical weighing up of zirconomer, nano composites with amalgam in class I cavities – an in vitro study.	Conservative dentistry and endodontics	On going
34.	Comparative evaluation of various methods of tooth print recording and comparing similarity at different intervals – an in vivo study.	Conservative dentistry and endodontics	On going
35.	Therapeutic awareness trends in dentistry.	Multidisciplinary	On going
36.	Assessment of age and gender by radiographic analysis of the effect of dimensions of mandibular ramus and mental foramen.	Public health dentistry	On going
37.	Aromatherapy in minor surgical procedures in dentistry.	Public health dentistry	On going
38.	Comparison of antigingivitis and antiplaque efficacy of herbal and non- herbal tooth paste in patients with gingivitis.	Public health dentistry	On going

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39.	To assess and compare the antibacterial effect of onion mint extract and chlorhexidine mouthwash solution against oral salivary micro organisms.	Public dentistry	health	On going
40.	Assessment of oral hygiene status and tobacco habits in contract based workers of ICF.	Public dentistry	health	On going
41.	Evaluation of antimicrobial efficacy of enafix toothpaste against Staph. Aureus and A.actinomycetemcomitans.	Public dentistry	health	On going
42.	Evaluation of efficiency of matricaria chamomile tea flower extract against oral microorganisms.	Public dentistry	health	On going
43.	Assessment of sleep disturbances and associated factors among staff nurses in PHC and government hospital in Thiruvallur.	Public dentistry	health	On going
	Oral health knowledge, attitude and practice among nursing college students in Thiruvallur.	Public dentistry	health	On going
44.	Evaluations of awareness of HPV and PCOD and its effect on mental health among arts and science college student in Thiruvallur.	Public dentistry	health	On going
45.	Assessment of parental attitude and awareness towards preventive dentistry.	Public dentistry	health	On going
46.	Prevalence of potentially malignant lesions and conditions in village in Thiruvallur.	Public dentistry	health	On going
47.	Assessment of oral health status of law college students in Thiruvallur.	Public dentistry	health	On going
48.	Assessment of oral health status between systemic disease and healthy individuals among industry workers in autotech company Ambattur.	Public dentistry	health	On going
49.	Assessment of oral health status in garment industry workers.	Public dentistry	health	On going
50.	Evaluation of day to day hassles among parents of young offsprings to assess their lifestyle quality.	Public dentistry	health	On going
51.	Assessment of impact of physical appearance pressure on mental health among medical, dental and nursing college students in Thiruvallur.	Public dentistry	health	On going
52.	Comparing the anti gingivitis and antiplaque efficacy of herbal stabilised chlorine-dioxide and chlorhexidine in patients with gingivitis – randomised controlled trail.	Public dentistry	health	On going

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53.	Assessment of antimicrobial effect of phoenix dactylifera against porphyromonas gingivalis, streptococcus mutants and lactobacillus acidophilus and in vitro study.	Public dentistry	health	On going
54.	Assessment of social determinants of health.	Public dentistry	health	On going
55.	Oral hygiene status among bidi workers in thenkasi district.	Public dentistry	health	On going
56.	Assessment of oral hygiene status among workers of sugarcane factory.	Public dentistry	health	On going
57.	Antibacterial effectiveness of probiotic based experimental mouthwash against cariogenic pathogen - an invitro study.	Public dentistry	health	On going

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PDCH INNOVATION AND INCUBATION CENTRE - CALL FOR RESEARCH PROPOSAL

DATE: 17/9/2022

We pleased to inform that incubation center of Priyadarshini Dental College and Hospital is inviting research proposal from the third year, final year, and CRI of our institution for short – term projects of 3-month duration on innovative research topic from respective department

Guidelines for research proposal

Eligibility criteria

Third year, final year and CRI students are eligible for institutional research grant. Number of applicants: Minimum 2 from each specialty each department should submit proposal twice the number of sanctioned grants. Applicants are required to submit the proposal – outlining the objective, methodology, expected outcome and budget for the project

Peer review

Grant committee which includes external experts from respective specialty will evaluate and score the research proposal based on scientific merit, innovation and feasibility

Time line Applicants need to complete their research with in the allocated time (maximum 3 months)

Submission and reporting requirements


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Applicants are requested to start their research only after the institutional ethical committee approval and update regular reports and financial status to the research committee

Ethical committee

Research proposal must adhere to the ethical guidelines especially if human or animal subjects are involved

Intellectual property

The grant approved research property if send for further publications has to be initiated and approved by research committee and publication committee. The grant approved research project has to include institution name in the publication.

Compliance regulation

Research must comply with all relevant regulation including that involving control substances or international collaboration according to ICMR guidelines of **NATIONAL ETHICAL GUIDE LINES FOR BIOMEDICAL AND HEALTH RESEARCH**

Accountability

Researcher must be prepared to be held accountable for the appropriate use of funds and the activities of research

Conflict of interest


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Tel: 044-2765 0160 / 16 Mobile: 98417 35858. PDCH.IN



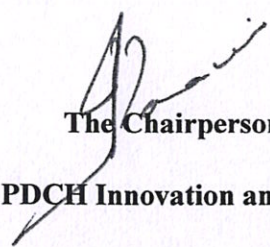
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(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32)

Candidate are often required to disclose any potential conflict that could affect the integrity of research. deadline for the submission of research proposal will be October any proposal beyond deadline will not be entertained decision of research committee will be final and binding. Proposal to be submitted as one soft copy to Research committee through mail and a hard copy to be submitted to the research committee

Detail should be submitted in following order:

- Title :
- Background :
- Objective :
- Methodology :
- Expected outcome :
- Novelty of study :
- Clinical significance :
- Budget :
- Investigator (Student) :


The Chairperson,
PDCH Innovation and
Incubation center


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Research Proposal Cover Letter

Date: 20/10/2022

From,

Mr. Naveen Gokul

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,

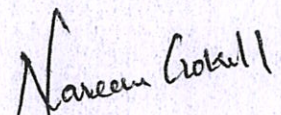
(Sub: Reg. Application for research proposal)

I'm requesting you to accept our research proposal for the grant on topic "Comparative study of antimicrobial efficacy of *Punica granatum* and *Psidium guajava* leaf extracts against *E. faecalis* and *Candida albicans*" guided by Dr. Jayasenthil. A, Professor and Head, Department of Periodontics.

Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,

Yours faithfully,



Naveen Gokul



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Research proposal

Title: Comparative Study of Antimicrobial Efficacy of Punicagranatum and Psidiumguajava Leaf Extracts Against Enterococcus faecalis and Candida albicans

Background: To derive herbal compounds with biocompatibility and alternative to conventional chlorhexidine against Enterococcus faecalis and Candida albicans and to compare the antimicrobial efficacy of Punicagranatum and Psidiumguajava extracts with 2% chlorhexidine.

Aim: To comparatively evaluate the antimicrobial Efficacy of Punicagranatum and Psidium guajava Leaf Extracts Against Enterococcus faecalis and Candida albicans

Method: Agar well diffusion method, Determination of MIC - Group I: 2% Chlorhexidine (2% CHX), Group II: 5% Pomegranate peel Ethanolic Extract (5% PE), Group III: 20% Pomegranate peel Ethanolic Extract (20% PE), Group IV: 5% Guava leaf Ethanolic Extract (5% GEE), Group V: 20% Guava leaf Ethanolic Extract (20% GEE), Group VI: 10% Ethanol* (50 µl) – control against Enterococcus faecalis and Candida albicans culture.

Expected outcome: Herbal antimicrobial agents might be used as a potent endodontic irrigants to eradicate root canal infections as they are effective, cost friendly and have antimicrobial properties but less efficacy compared to conventional root canal irrigants.

Budget: Rs.12,000/-

Investigator: Naveen Gokul

Guide: Dr. jayasenthil



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DENTAL COLLEGE AND HOSPITAL

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PDCH/Letter/PDCHIIC/32/Dec-2022

Date: 9/12/2022

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Mr. Naveen Gokul
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Mr. Naveen Gokul,

(Sub: Reg. Requisition for presentation)

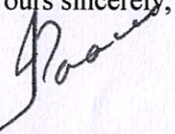
This letter is to formally request a presentation on 28/12/2022 titled “**Comparative study of antimicrobial efficacy of Punica granatum and Psidium guajava leaf extracts against E. faecalis and Candida albicans**” to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
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Yours sincerely,



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PDCH/Letter/PDCHIIC/32/JAN-2023

Proposal Acceptance Letter

Date: 20/1/2023

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Mr. Naveen Gokul,
CRI,
Priyadarshini Dental College and Hospital
Pandur

Dear Mr. Naveen Gokul,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **“Comparative study of antimicrobial efficacy of Punica granatum and Psidium guajava leaf extracts against E. faecalis and Candida albicans”** has been approved for grant funding of Rs.10,000/- (Rupees Ten Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you


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DENTAL COLLEGE AND HOSPITAL

(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32.)

Yours sincerely,

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

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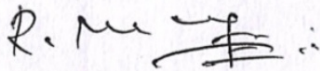
Payment Voucher

No. : 92

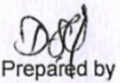
Dated : 20-Oct-23

Through : **Cash**

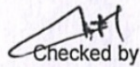
Particulars	Amount
Account : Seminars/Conference Expenses	10,000.00
On Account of : Being amount paid to Student Mr Naveen Gokul for Comparative Study of Antimicrobial Efficacy of Punica granatum and Psidium guajava Leaf Extracts Against Enterococcus faecalis and Candida albicans"	
Amount (in words) : INR Ten Thousand Only	
	₹ 10,000.00

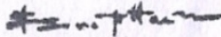


Receiver's Signature:

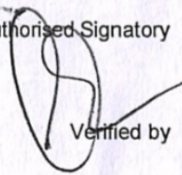

Prepared by




Checked by



Authorised Signatory


Verified by

Date: 25/04/2023

From,

Mr. Naveen Gokul

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "Comparative study of antimicrobial efficacy of *Punica granatum* and *Psidium guajava* leaf extracts against *E. faecalis* and *Candida albicans*" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.


I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that *P. granatum* and *P. guajava* can be used as a antimicrobial agent against *E. faecalis* and *Candida albicans*.

I have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,

Yours sincerely,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL
PANDUR - 631 203
THIRUVALLUR TK & DIST. TAMIL NADU

Naveen Gokul

EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2000/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2000/- |



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PANDUR - 631 203,
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Research Proposal Cover Letter

Date: 26/10/2022

From,

Mr. T. S. Mohammed Siddiq

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,

(Sub: Reg. Application for research proposal)

I'm requesting you to accept our research proposal for the grant on topic "Correlation between dental anomalies and blood group" guided by Dr.Rajeswari, Professor and Head, Department of Oral Pathology.

Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,

Yours faithfully,



T. S. Mohammed Siddiq



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
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Research Proposal

Title: Correlation between Dental Anomalies and Blood Group

Background: Dental anomaly is defined as a development disorder in which the defect appears to be different or noticeably variant from the normal form. The correlation between dental anomalies with blood group is well documented; however, the studies conducted between dental anomalies with blood group are very limited. Hence, this study is conducted to find out any correlation between blood group and dental anomalies.

Aim: The aim of this study was to determine the correlation between dental anomalies and blood group.

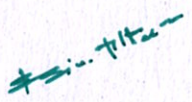
Method: The current study was carried out on contract-based workers in Chennai. The study included 120 people (81 men and 39 women). The age range for the participants was 20–60 years. The participants underwent a clinical oral examination after being questioned about conduct and socioeconomic status. Each patient's medical and dental histories were recorded.

Expected outcome: Dental anomalies are clinically evident abnormalities. Dental anomalies can cause diseases as well as esthetic issues. To identify the problem and provide the right treatment, a thorough examination and pertinent investigations are required.

Budget: Rs.12,000/- (Rupees Twelve Thousand Only)

Investigator: T. S. Mohammed Siddiq

Guide: Dr. Rajeswari. M. R. C


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DENTAL COLLEGE AND HOSPITAL

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PDCH/Letter/PDCHIIC/47/Dec-2022

Date: 3/12/2022

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Mr. T. S. Mohammed Siddiq,
CRI,
Priyadarshini Dental College and Hospital,
Pandur

Dear Mr. T. S. Mohammed Siddiq,

(Sub: Reg. Requisition for presentation)

This letter is to formally request a presentation on 27/12/2022 titled **“Correlation between dental anomalies and blood group”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you

Signature
PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,

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PDCH/Letter/PDCHIIC/01/Jan-2023

Proposal Acceptance Letter

Date: 9/1/2023

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Mr. T. S. Mohammad Siddiq,
CRI,
Priyadarshini Dental College and Hospital
Pandur

Dear Mr. T. S. Mohammad Siddiq,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal "**Correlation between dental anomalies and blood group**" has been approved for grant funding of Rs.12,000/- (Rupees Twelve Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL
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THIRUVALLUR TK & DIST. TAMIL NADU
Yours sincerely,

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Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

**... திருவல்லூர்*
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No: 1,Vgr Nagar, Vgr Gardens, Pandur
Thiruvallur Taluk & District
State Name : Tamil Nadu, Code : 33

Payment Voucher

No. : 104

Dated : 9-Jan-23

Through : **Cash**

Particulars	Amount
Account : Seminars/Conference Expenses	12,000.00

On Account of :

Being amount paid to Student Mr Mohammad Siddik for "Correlation between Dental Anomalies and Blood Group"

Amount (in words) :

INR Twelve Thousand Only

₹ 12,000.00

Receiver's Signature:

Prepared by

Checked by

Authorised Signatory

Verified by

Date: 12/04/2023

From,

Mr. T.S. Mohammed Siddiq

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "Correlation between dental anomalies and blood group" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

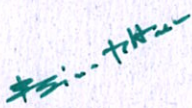
I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that There is a positive correlation between dental anomalies and blood groups.

I have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,

Yours sincerely,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR - 601 301



EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 3000/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 3000/- |

[Handwritten signature]

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU

Correlation between Dental Anomalies and Blood Group

Abstract

Aim: The aim of this study was to determine the correlation between dental anomalies and blood group. **Background:** Dental anomaly is defined as a development disorder in which the defect appears to be different or noticeably variant from the normal form. The correlation between dental anomalies with blood group is well documented; however, the studies conducted between dental anomalies with blood group are very limited. Hence, this study is conducted to find out any correlation between blood group and dental anomalies. **Materials and Methods:** The current study was carried out on contract-based workers in Chennai. The study included 120 people (81 men and 39 women). The age range for the participants was 20–60 years. The participants underwent a clinical oral examination after being questioned about conduct and socioeconomic status. Each patient's medical and dental histories were recorded. **Results:** Out of 120 patients screened, 8 patients were referred with dental defects, 5 patients referred with developmental dental anomalies, and 4 patients referred with soft-tissue defects. It was found that the blood group of the patients with soft-tissue defects is found to be O positive, while patients with developmental abnormalities were found to be A positive and patients with blood group with dental defects were found to be B positive. **Conclusion:** Dental anomalies are clinically evident abnormalities. Dental anomalies can cause diseases as well as esthetic issues. To identify the problem and provide the right treatment, a thorough examination and pertinent investigations are required.

Keywords: Blood group, dental anomaly, development defects, malocclusion

T. S. Mohammed
Siddiq Hanif,
M. R. C. Rajeswari,
B. Prem Karthick

Department of Oral Pathology,
Priyadarshini Dental College
and Hospital, Thiruvallur,
Tamil Nadu, India

Introduction

During the process of dental development, complex interactions between genetic, epigenetic, and environmental variables can result in dental abnormalities. This process has multiple levels, factors, and dimensions.^[1] During the morphodifferentiation or histodifferentiation stages of tooth development, genetic and environmental variables, in particular, may contribute to developmental dental abnormalities.^[2] Significant esthetic and functional issues are brought on by dental abnormalities in both jaws.^[3] Therefore, it is crucial to conduct a detailed analysis of the circumstances that contributed to their formation. Specific genetic factors have been reported to be responsible for the development of dental anomalies in each jaw.^[4,5]

Blood type is an inherited factor that has been linked to various diseases around the world.

ABO blood type classification is the most popular system. This classification is broken down into four subcategories based on whether A and B antigens are present on the hemoglobin,^[6] with blood type O individuals not having either A or B antigen on their red cells, blood type AB individuals having both A and B antigens, blood type A individuals having an A antigen, and blood group B individuals having a B antigen.^[5]

The MN system and the Rhesus (Rh) system are two more crucial blood systems. Significant clinical implications of the ABO and Rh systems are defined by the type of several proteins found on the surface of red blood cells. The red cell membrane, which is also present in plasma and other bodily fluids, contains the antigens of the ABO system as an essential component. Various diseases and anomalies have been linked to the presence or lack of specific antigens, and antigens also serve as receptors for pathogenic pathogens. All human populations share the same blood systems, although they differ in the frequencies of specific types. The ABO and Rh systems have intricately

Submitted: 12-Jan-2023
Accepted: 15-Mar-2023
Published: 21-Aug-2023

Address for correspondence:

Dr. T. S. Mohammed Siddiq
Hanif,
Department of Oral Pathology,
Priyadarshini Dental College
and Hospital, Thiruvallur,
Tamil Nadu, India.
E-mail: studybds2023@
gmail.com

Access this article online

Website: <https://journals.lww.com/JDRR>

DOI: 10.4103/jdr.jdr_9_23

Quick Response Code:



How to cite this article: Hanif TS, Rajeswari MR, Karthick BP. Correlation between dental anomalies and blood group. J Dent Res Rev 2023;10:87-90.

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PDCH/Cir/PDCHIIC/20/AUG-2021

PDCH INNOVATION AND INCUBATION CENTRE - CALL FOR RESEARCH PROPOSAL

DATE: 13/8/2021

We pleased to inform that incubation center of Priyadarshini Dental College and Hospital is inviting research proposal from the third year, final year, and CRI of our institution for short – term projects of 3-month duration on innovative research topic from respective department

Guidelines for research proposal

Eligibility criteria


Third year, final year and CRI students are eligible for institutional research grant. Number of applicants: Minimum 2 from each specialty each department should submit proposal twice the number of sanctioned grants. Applicants are required to submit the proposal – outlining the objective, methodology, expected outcome and budget for the project

Peer review

Grant committee which includes external experts from respective specialty will evaluate and score the research proposal based on scientific merit, innovation and feasibility

Time line Applicants need to complete their research within the allocated time (maximum 3 months)

Submission and reporting requirements


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU.

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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Applicants are requested to start their research only after the institutional ethical committee approval and update regular reports and financial status to the research committee

Ethical committee

Research proposal must adhere to the ethical guidelines especially if human or animal subjects are involved

Intellectual property

The grant approved research property if send for further publications has to be initiated and approved by research committee and publication committee. The grant approved research project has to include institution name in the publication.

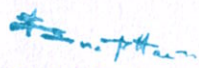
Compliance regulation

Research must comply with all relevant regulation including that involving control substances or international collaboration according to ICMR guidelines of **NATIONAL ETHICAL GUIDE LINES FOR BIOMEDICAL AND HEALTH RESEARCH**

Accountability

Researcher must be prepared to be held accountable for the appropriate use of funds and the activities of research

Conflict of interest


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Candidate are often required to disclose any potential conflict that could affect the integrity of research. deadline for the submission of research proposal will be October any proposal beyond deadline will not be entertained decision of research committee will be final and binding. Proposal to be submitted as one soft copy to Research committee through mail and a hard copy to be submitted to the research committee

Detail should be submitted in following order:

- **Title** :
- **Background** :
- **Objective** :
- **Methodology** :
- **Expected outcome** :
- **Novelty of study** :
- **Clinical significance** :
- **Budget** :
- **Investigator (Student)** :

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU

The Chairperson,
PDCH Innovation and
Incubation center

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Research Proposal Cover Letter

Date: 25/10/2021

From,

Ms. Nishitha Arun

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,


(Sub: Reg. Application for research proposal)

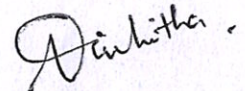
I'm requesting you to accept our research proposal for the grant on topic "Effect of grape seed extract in management of chronic periodontitis" guided by Dr. I. Paavai, Professor and Head, Department of Periodontics.

Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,

Yours faithfully,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



Nishitha Arun

Research proposal

Title: Clinical Efficacy of grape seed extract as an adjuvant to scaling and root planing in treating the chronic periodontitis

Aim: The purpose of this study was to investigate the clinical effectiveness of local application of grape seed gel as an adjunct to scaling and root planing in the treatment of patients with chronic periodontitis.

Method: The present study was a longitudinal, parallel design, randomized clinical trial. Seventy two patients with periodontal pockets were randomly divided into 2 groups with test group receiving intra pocket delivery of GSE with SRP and control group received SRP alone. The clinical parameters like plaque index, gingival index, probing depth and CAL was measured preoperatively and postoperatively.

Expected outcome: The efficacy of grape seed extract may be used as a prophylactic adjunctive natural agent for the management of the periodontal disease.

Budget: Rs 10,000/-

Investigator: Ms. Nishitha arun

Guided by: Dr. Paavai llango



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PANDUR - 631 203.
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Priyadarshini Dental College & Hospital

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PDCH/Letter/PDCHIIC/39/Dec-2021

Date: 18/12/2021

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms. Nishitha Arun,
CRI, Priyadarshini Dental College and Hospital,
Pandur


Dear Ms. Nishitha Arun,

(Sub: Reg. Requisition for presentation)

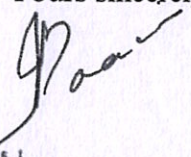
This letter is to formally request a presentation on 29/12/2021 titled **“Effect of grape seed extract in management of chronic periodontitis”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST TAMIL NADU

Yours sincerely,



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PRIYADARSHINI
DENTAL COLLEGE AND HOSPITAL

(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32.)

PDCH/Letter/PDCHIIC/02/Jan-2022

Proposal Acceptance Letter

Date: 9/01/2022

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Ms. Nishitha Arun
CRI,
Priyadarshini Dental College and Hospital
Pandur

Dear Ms. Nishitha Arun,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **“Effect of grape seed extract in management of chronic periodontitis”** has been approved for grant funding of Rs.10,000/- (Rupees Ten Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you

Yours sincerely,

Managed by Indira Education and Charitable Trust

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Tel: 044 2374 1616/1717/1818/1919

Campus Off: No.1, V.G.R Gardens, V.G.R Nagar, Pandur – 631203. Thiruvallur.

Tel: 044-2765 0160 / 16 Mobile: 98417 35858. PDCH.IN

[Signature]
PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



PRIYADARSHINI
DENTAL COLLEGE AND HOSPITAL

(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32.)

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs : Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

Payment Voucher

No. : 83

Dated : 24-Jan-22

Through : **Cash**

Particulars	Amount
Account : Seminars/Conference Expenses	10,000.00
On Account of : Being amount paid to Student Ms Nishitha Arun for "Effect of grape seed extract on chronic periodontitis"	
Amount (in words) : INR Ten Thousand Only	
	₹ 10,000.00

Nishitha

Receiver's Signature:

SP

Prepared by

Nishitha

SP

Checked by

Nishitha

Authorised Signatory

SP

Verified by

Date: 20/04/2022

From,

Ms. Nishitha Arun

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "Effect of grape seed extract in management of chronic periodontitis" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that grape seed extract can be used as a prophylactic adjunctive agent in management of periodontal diseases.

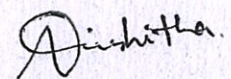
I have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,

Yours sincerely,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2000/- |
| 3. Statistical analysis | : Rs. 1500/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2500/- |



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Research Proposal Cover Letter

Date: 23/10/2021

From,

Ms. Visali. R

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,

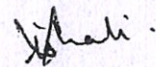
(Sub: Reg. Application for research proposal)

I'm requesting you to accept our research proposal for the grant on topic "Comparison of gingival crevicular and capillary finger prick blood in the assessment of blood glucose levels in gingivitis and periodontitis patients" guided by Dr. Vasanth Ayswarya, Senior Lecturer, Department of Periodontics.

Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,

Yours faithfully,



Visali. R

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Research proposal

Title: Comparison of gingival crevicular and capillary finger prick blood in the assessment of blood glucose levels in gingivitis and periodontitis patients

Background: Diabetes and periodontitis being interlinked with each other influence the oral health and its related treatment. This emphasizes mandatory evaluation of blood glucose levels during regular dental screening. This study evaluates the GCB oozing during periodontal examination that can serve as an alternative source of blood for glucose evaluation, being less traumatic and noninvasive than FPB.

Aim: The aim of this study is to determine the blood glucose levels from gingival crevicular bleeding during routine periodontal examination and to compare its accuracy with finger-prick blood (FPB) using a self-monitoring device during routine dental visits.

Method: The prospective study was carried out to find whether gingival crevicular blood collected can be source of blood for glucometeric analysis. Routine periodontal examination was done and categorized as group I (gingivitis; $n = 40$) and group II (periodontitis; $n = 40$). Finger prick blood and crevicular blood were evaluated for random blood sugar levels and correlated.

Expected outcome: Gingival Crevicular Blood collected during diagnostic periodontal examination may also be a reliable source of blood for glucometeric analysis.

Budget: Rs. 11,000/- (Rupees Eleven Thousand Only)

Investigator: Ms. Visali.R

Guided by: Dr. V.Vasanth Ayswarya



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PDCH/Letter/PDCHIIC/47/Dec-2021

Date: 16/12/2021

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms. Visali
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Ms. Visali,

(Sub: Reg. Requisition for presentation)

This letter is to formally request a presentation on 30/12/2021 titled **“Comparison of gingival crevicular and capillary finger prick blood in the assessment of blood glucose levels in gingivitis and periodontitis patients”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you

[Signature]
**PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU**

Yours sincerely,

[Signature]

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PDCH/Letter/PDCHIC/06/Jan-2022

Proposal Acceptance Letter

Date: 21/01/2022

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Ms. Visali. R
CRI,
Priyadarshini Dental College and Hospital
Pandur

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Dear Ms. Visali. R,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **“Comparison of gingival crevicular and capillary finger prick blood in the assessment of blood glucose levels in gingivitis and periodontitis patients”** has been approved for grant funding of Rs.11,000/- (Rupees Eleven Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you

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Tel: 044 2374 1616/1717/1818/1919

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Tel: 044-2765 0160 / 16 Mobile: 98417 35858. PDCH.IN



PRIYADARSHINI
DENTAL COLLEGE AND HOSPITAL

(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32.)

Yours sincerely,

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

PRINCIPAL

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PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

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Thiruvallur Taluk & District
State Name : Tamil Nadu, Code : 33

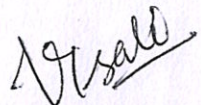
Payment Voucher

No. : 81

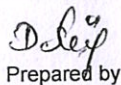
Dated : 21-Jan-22

Through : **Cash**

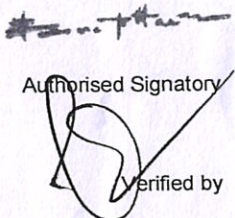
Particulars	Amount
Account : Seminars/Conference Expenses	11,000.00
On Account of : Being amount paid to Student Ms Visali for "Evaluation of periodontal and haematological finding in diabetic patient – a case control study"	
Amount (in words) : INR Eleven Thousand Only	
	₹ 11,000.00



Receiver's Signature:


Prepared by


Checked by


Authorised Signatory
Verified by

Date: 28/04/2022

From,
Ms. Visali,
CRI,
Priyadarshini Dental College and Hospital
Pandur
To,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "Comparison of gingival crevicular and capillary finger prick blood in the assessment of blood glucose levels in gingivitis and periodontitis patients" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that GCB collected during diagnostic periodontal examinations may also be a reliable source of blood for glucometric analysis.

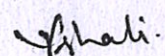
I have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,

Yours sincerely,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2500/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2500/- |



PRINCIPAL

PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Comparison of Gingival Crevicular and Capillary Finger-prick Blood in the Blood Glucose Levels Assessment of Gingivitis and Periodontitis Patients

Ayswarya V Vummidi¹, Paavai Ilango², Vatsala T³, Visali R⁴, Abirami T⁵, Arul Pari⁶, Gomathi GD⁷

ABSTRACT

Aim: The aim of this study is to determine the blood glucose levels from gingival crevicular bleeding during routine periodontal examination and to compare its accuracy with finger-prick blood (FPB) using a self-monitoring device during routine dental visits.

Materials and methods: A total sample size of $n = 80$ with group I (gingivitis; $n = 40$) and group II (periodontitis; $n = 40$) subjects were included in this study. On periodontal examination, gingival crevicular blood (GCB) was collected and simultaneously FPB was collected from the same patient. A quantity of 2 μ L blood from both were analyzed by self-monitoring glucometer (Accu-Chek Active). Results were obtained and statistically analyzed using SPSS software.

Result: The mean GCB and FPB glucose levels were 50.98 ± 31.538 and 94.28 ± 41.464 , respectively in gingivitis group whereas the mean GCB and FPB were 89.38 ± 46.022 and 160.80 ± 77.761 , respectively in periodontitis group. Both the groups suggested a strong positive correlation, where $r = 0.924$ in gingivitis group and $r = 0.808$ in periodontitis group.

Conclusion: The results from this current study show that GCB collected during diagnostic periodontal examination may also be a reliable source of blood for glucometeric analysis. The glucose levels of crevicular blood can also be a potential risk factor to alter the oral microflora favoring dysbiosis which may lead to the progression of periodontitis.

Clinical significance: Diabetes and periodontitis being interlinked with each other influence the oral health and its related treatment. This emphasizes mandatory evaluation of blood glucose levels during regular dental screening. This study evaluates the GCB oozing during periodontal examination that can serve as an alternative source of blood for glucose evaluation, being less traumatic and noninvasive than FPB.

Keywords: Diabetes, Finger-prick blood, Gingival crevicular blood, Glucose, Periodontitis.

World Journal of Dentistry (2022); 10.5005/jp-journals-10015-2094

INTRODUCTION

Diabetes mellitus is a systemic disorder which is caused due to metabolic dysregulation primarily because of carbohydrate metabolism characterized by hyperglycemia (blood glucose >180 – 200 mg/dL) that results from defects in insulin secretion or impaired insulin action or both. Alterations in lipid and protein metabolism were also seen. Chronic elevation in blood glucose is associated with long-term dysfunction of various organs such as eyes, kidneys, heart, nerves, and blood vessels.¹ People with undiagnosed diabetes are likely to have diabetes for several years leading to an altered beta-cell function before even being diagnosed. Diabetes mellitus is also associated with long-term complications such as retinopathy, nephropathy, neuropathy, micro- and macrovascular diseases, altered wound healing, and periodontitis.² The earlier diagnosis of diabetes may help to prevent the long-term complications that are responsible for its high morbidity rate.³

Periodontitis being a known complication of diabetes, is an inflammatory disease of the supporting tissue of the teeth caused by specific microorganism resulting in progressive destruction of the periodontal ligament and the alveolar bone with pocket formation, recession, or both. As a part of inflammation of periodontium, gingival crevicular bleeding on probing is a common clinical finding of periodontitis. Gingival crevicular bleeding occurs as a result of vasodilation and engorgement of blood vessels and ulcerated epithelium which bleeds spontaneously on probing.

^{1-5,7}Department of Periodontics, Priyadarshini Dental College and Hospital, Chennai, Tamil Nadu, India

⁶Department of Pedodontics, Thai Moogambigai Dental College and Hospital, Chennai, Tamil Nadu, India

Corresponding Author: Paavai Ilango, Department of Periodontics, Priyadarshini Dental College and Hospital, Chennai, Tamil Nadu, India, Phone: +91 9003091193, e-mail: drpaavailango@gmail.com

How to cite this article: Vummidi AV, Ilango P, Vatsala T, et al. Comparison of Gingival Crevicular and Capillary Finger-prick Blood in the Blood Glucose Levels Assessment of Gingivitis and Periodontitis Patients. *World J Dent* 2022;13(5):493–497.

Source of support: Nil

Conflict of interest: None

Periodontitis is influenced by various risk factors like smoking, systemic disease, stress, etc. Though the risk factors include various systemic diseases, diabetes is considered as one of the major risk factors associated with periodontitis. Literature suggests that poor glycemic control may cause high prevalence of gingival inflammation, periodontal destruction, and vice versa.⁴ This is attributed due to the advanced glycation end products (AGEs) that bind to its receptors in the macrophages and releases inflammatory cytokines. The TNF-alpha and IL1-beta produced release hydrolase, matrix metalloproteinase (MMP), and collagenase thereby leading to destruction of connective tissue and periodontal disease.²

Research Proposal Cover Letter

Date: 21/10/2021

From,

Ms. Rajalakshmi

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,


(Sub: Reg. Application for research proposal)

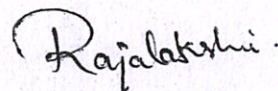
I'm requesting you to accept our research proposal for the grant on topic "Efficacy of local drug delivery of Achyranthus aspera gel in the management of chronic periodontitis" guided by Dr. I. Paavai, Professor and Head, Department of Periodontics.

Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,

Yours faithfully,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU.



Rajalakshmi

Research proposal

Title: Efficacy of LDD of achyranthus aspera gel in the management of chronic periodontitis.

Background: Periodontitis is an inflammatory disease of microbial origin. Locally delivered antimicrobials reduce subgingival flora. *Achyranthes aspera* gel has antimicrobial, antioxidant, anti-inflammatory, and immunostimulant effects.

Aim: To Assess Efficacy of LDD of Achyranthus aspera gel in the management of chronic periodontitis

Method: Patients with chronic periodontitis were considered in the study and categorized into two equal groups (Group A: scaling and root planing (SRP) with *A. aspera* gel, Group B: SRP with placebo gel). The clinical parameters like plaque index, gingival index, probing depth and CAL was measured preoperatively and postoperatively.

Conclusion: *A. aspera* gel when delivered locally along with SRP showed a beneficial effect. *A. aspera* gel as a non-surgical local drug delivery system proved to be without any side effects in the management of periodontitis. *A. aspera* gel has strong anti-inflammatory effects in addition to its antioxidant activity.

Budget: Rs. 11000/- (Rupees Eleven Thousand Only)

Investigator: Ms. Rajalakshmi

Guide: Dr. Paavai Ilango



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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/36/Dec-2020

Date: 11/12/2020

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms. Rajalakshmi
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Ms. Rajalakshmi,

(Sub: Reg. Requisition for presentation)

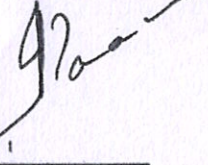
This letter is to formally request a presentation on 22/12/2021 titled **“Efficacy of local drug delivery of Achyranthus aspera gel in the management of chronic periodontitis”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,



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Regd. Office : No.19, Govindan Street, Ayyavoo Colony, Aminjikarai, Chennai - 29. Ph : 044 - 2374 1717 / 1818, Fax : 044 - 2374 0433, Web : www.indiraeducational.org
Campus : No.1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203. Thiruvallur Taluk & District. Tel : 2765 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

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PDCH/Letter/PDCHIIC/06/Jan-2021

Proposal Acceptance Letter

Date: 25/01/2021

From,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

To,

Ms. Rajalakshmi

CRI,

Priyadarshini Dental College and Hospital

Pandur

Dear Ms. Rajalakshmi,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **"Efficacy of local drug delivery of Achyranthus aspera gel in the management of chronic periodontitis"** has been approved for grant funding of Rs.11,000/- (Rupees Eleven Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,

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Campus : No 1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel : 2785 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

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PANDUR - 631 203.
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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs : Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

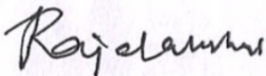
Payment Voucher

No. : 84

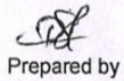
Dated : 25-Jan-21

Through : **Cash**

Particulars	Amount
Account : Seminars/Conference Expenses	11,000.00
On Account of : Being amount paid to Student Ms Rajalakshmi for "Efficacy of LDD of achyranthus aspera gel in the management of chronic periodontitis"	
Amount (in words) : INR Eleven Thousand Only	
	₹ 11,000.00

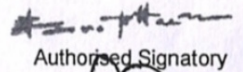


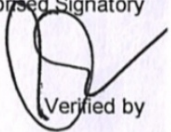
Receiver's Signature:


Prepared by




Checked by


Authorised Signatory


Verified by

Date: 29/04/2021

From,
Ms. Rajalakshmi,
CRI,
Priyadarshini Dental College and Hospital
Pandur
To,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "Efficacy of local drug delivery of Achyranthus aspera gel in the management of chronic periodontitis" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that A aspera gel can be used as a non-surgical local drug deliver agent proven to be efficacious without any side effects in the management of periodontitis.

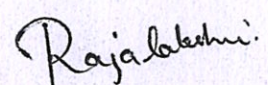
I have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST.

Yours sincerely,



EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2500/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1200/- |
| 5. Logistics | : Rs. 2300/- |



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Cir/PDCHIIC/19/AUG-2020

PDCH INNOVATION AND INCUBATION CENTRE - CALL FOR RESEARCH PROPOSAL

DATE: 20/8/2020

We pleased to inform that incubation center of Priyadarshini Dental College and Hospital is inviting research proposal from the third year, final year, and CRI of our institution for short – term projects of 3-month duration on innovative research topic from respective department

Guidelines for research proposal

Eligibility criteria

Third year, final year and CRI students are eligible for institutional research grant. Number of applicants: Minimum 2 from each specialty each department should submit proposal twice the number of sanctioned grants. Applicants are required to submit the proposal – outlining the objective, methodology, expected outcome and budget for the project

Peer review

Grant committee which includes external experts from respective specialty will evaluate and score the research proposal based on scientific merit, innovation and feasibility

Time line Applicants need to complete their research within the allocated time (maximum 3 months)

Submission and reporting requirements


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THIRUVALLUR TK & DIST. TAMIL NADU.

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Campus : No 1, V.G.R. Gardens, V.G.R. Nagar, Pandur - 631 203. Thiruvallur Taluk & District. Tel : 2785 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

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Applicants are requested to start their research only after the institutional ethical committee approval and update regular reports and financial status to the research committee

Ethical committee

Research proposal must adhere to the ethical guidelines especially if human or animal subjects are involved

Intellectual property

The grant approved research property if send for further publications has to be initiated and approved by research committee and publication committee. The grant approved research project has to include institution name in the publication.


Compliance regulation

Research must comply with all relevant regulation including that involving control substances or international collaboration according to ICMR guidelines of **NATIONAL ETHICAL GUIDE LINES FOR BIOMEDICAL AND HEALTH RESEARCH**

Accountability

Researcher must be prepared to be held accountable for the appropriate use of funds and the activities of research

Conflict of interest


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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU.

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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Candidate are often required to disclose any potential conflict that could affect the integrity of research. deadline for the submission of research proposal will be October any proposal beyond deadline will not be entertained decision of research committee will be final and binding. Proposal to be submitted as one soft copy to Research committee through mail and a hard copy to be submitted to the research committee

Detail should be submitted in following order:

- **Title** :
- **Background** :
- **Objective** :
- **Methodology** :
- **Expected outcome** :
- **Novelty of study** :
- **Clinical significance** :
- **Budget** :
- **Investigator (Student)** :


The Chairperson,

PDCH Innovation and

Incubation center



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Campus : No 1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel: 2785 0160 / 161 / 458 / 450

Research Proposal Cover Letter

Date: 28/10/2020

From,

Ms.Rudra. L

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,


(Sub: Reg. Application for research proposal)

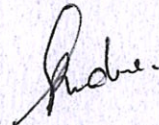
I'm requesting you to accept our research proposal for the grant on topic "An in vitro evaluation of antimicrobial efficacy of curcumin oral gel against P. gingivalis and P. intermedia" guided by Dr. I. Paavai, Professor and Head, Department of Periodontics.

Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,

Yours faithfully,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203
TAMIL NADU



Rudra. L

Research proposal

Title: An in vitro evaluation of curcumin oral gel antimicrobial efficacy against *Porphyromonas gingivalis* and *Prevotella intermedia*.

Aim: Evaluate antimicrobial efficacy of turmeric, a rhizome of *Curcuma longa* in the form of Curenext® Oral Gel against *Porphyromonas gingivalis* and *Prevotella intermedia* and compare its efficacy with tetracycline.


Method: Antibacterial activity of *C. longa* gel was screened using disk diffusion method with tetracycline as a positive control. The zone of inhibition was measured in millimetre around both the organisms. Results: The gel at different concentrations showed antibacterial efficacy against *P. gingivalis* and *P. intermedia*. The maximum zone of inhibition was obtained at 2% concentration of curcumin which is 10.3 mm diameter against *P. gingivalis* and 11.4 mm against *P. intermedia*.

Expected outcome: The efficacy of *C. longa* Oral Gel may be used as a prophylactic adjunctive natural agent for the management of the periodontal disease.

Budget: Rs 11,000/- (Rupees Eleven Thousand Only)

Investigator: Rudra.L

Guided by: Dr.Paavai Ilango


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PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/28/Dec-2020

Date: 17/12/2020

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms. Rudra. L,
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Ms. Rudra. L,

(Sub: Reg. Requisition for presentation)

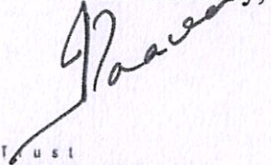
This letter is to formally request a presentation on 30/12/2020 titled **“An in vitro evaluation of antimicrobial efficacy of curcumin oral gel against P. gingivalis and P. intermedia”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,



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Campus : No.1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel : 2785 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

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PANDUR - 631 203.
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Regd Office No 18, Govindan Street, Ayyavoo Colony, Aminjikarai, Chennai - 29 Ph : 044 - 2374 1717 / 1616, Fax : 044 - 2374 0433, Web : www.indiraeducational.org
Campus : No 1, V.G.R Gardens, V.G.R. Nagar, Pandur - 631 203, Thiruvallur Taluk & District Tel : 2765 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

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PDCH/Letter/PDCHIIC/08/Jan-2021

Proposal Acceptance Letter

Date: 24/01/2021

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Ms. Rudra. L
CRI,
Priyadarshini Dental College and Hospital
Pandur

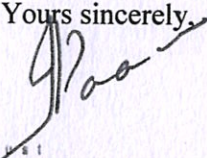
Dear Ms. Rudra,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal "**An in vitro evaluation of antimicrobial efficacy of curcumin oral gel against P. gingivalis and P. intermedia**" has been approved for grant funding of Rs.11,000/- (Rupees Eleven Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you 

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,


Managed by Indira Educational and Charitable Trust

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Campus : No.1, V.G.R. Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel : 2765 0160 / 161 / 488 / 450

PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs : Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

Payment Voucher

No. : 82

Dated : 24-Jan-21

Through : **Cash**

Particulars	Amount
Account : Seminars/Conference Expenses	11,000.00

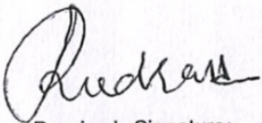
On Account of :

Being amount paid to Student Ms Rudhra.K for "An in vitro evaluation of curcumin oral gel antimicrobial efficacy against Porphyromonas gingivalis and Prevotella intermedia."

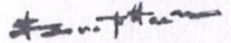
Amount (in words) :

INR Eleven Thousand Only

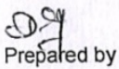
₹ 11,000.00


Receiver's Signature:

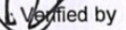




Authorised Signatory


Prepared by


Checked by


Verified by

Date: 21/04/2021

From,
Ms. Rudra. L
CRI,
Priyadarshini Dental College and Hospital
Pandur
To,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "An in vitro evaluation of antimicrobial efficacy of curcumin oral gel against P. gingivalis and P. intermedia" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that Curcuma longa oral gel can be used as a prophylactic adjunctive agent in management of periodontal diseases.

I have enclosed the expenses of this study along with this letter. Please do find the attachment.

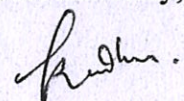
In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,



EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3500/- |
| 2. Materials | : Rs. 2500/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2000/- |



PRINCIPAL

PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



We found a match

Your institution may have access to this item.
Find your institution then sign in to continue.

Title

An in vitro evaluation of curcumin oral gel antimicrobial efficacy against *Porphyromonas gingivalis* and *Prevotella intermedia*.

Authors

Rudhra, K.; Ilango, Paavai; Chandran, Veejai;
Abirami, T.; Vummidi, Ayswarya V.;
Mahalingam, Arulpari

Publication

Drug Invention Today, 2020, Vol 13, Issue 1,
p97

ISSN

0975-7619

Publication type

**-u-#2-*
PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU





Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Cir/PDCHIIC/18/AUG-2019

PDCH INNOVATION AND INCUBATION CENTRE - CALL FOR RESEARCH PROPOSAL

DATE: 19/8/2019

We pleased to inform that incubation center of Priyadarshini Dental College and Hospital is inviting research proposal from the third year, final year, and CRI of our institution for short – term projects of 3-month duration on innovative research topic from respective department

Guidelines for research proposal

Eligibility criteria


Third year, final year and CRI students are eligible for institutional research grant. Number of applicants: Minimum 2 from each specialty each department should submit proposal twice the number of sanctioned grants. Applicants are required to submit the proposal – outlining the objective, methodology, expected outcome and budget for the project

Peer review

Grant committee which includes external experts from respective specialty will evaluate and score the research proposal based on scientific merit, innovation and feasibility

Time line Applicants need to complete their research with in the allocated time (maximum 3 months)

Submission and reporting requirements


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU.

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Campus : No 1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203, Thiruvallur Taluk & District. Tel : 2765 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Applicants are requested to start their research only after the institutional ethical committee approval and update regular reports and financial status to the research committee

Ethical committee

Research proposal must adhere to the ethical guidelines especially if human or animal subjects are involved

Intellectual property

The grant approved research property if send for further publications has to be initiated and approved by research committee and publication committee. The grant approved research project has to include institution name in the publication.

Compliance regulation

Research must comply with all relevant regulation including that involving control substances or international collaboration according to ICMR guidelines of **NATIONAL ETHICAL GUIDE LINES FOR BIOMEDICAL AND HEALTH RESEARCH**

Accountability

Researcher must be prepared to be held accountable for the appropriate use of funds and the activities of research

Conflict of interest


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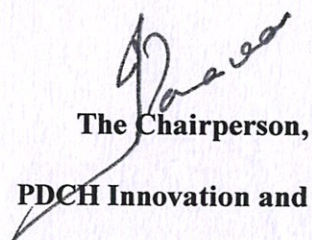
Priyadarshini Dental College & Hospital


(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Candidate are often required to disclose any potential conflict that could affect the integrity of research. deadline for the submission of research proposal will be October any proposal beyond deadline will not be entertained decision of research committee will be final and binding. Proposal to be submitted as one soft copy to Research committee through mail and a hard copy to be submitted to the research committee

Detail should be submitted in following order:

- Title :
- Background :
- Objective :
- Methodology :
- Expected outcome :
- Novelty of study :
- Clinical significance :
- Budget :
- Investigator (Student) :


The Chairperson,
PDCH Innovation and
Incubation center


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Campus : No 1, V.G.R Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel : 2765 0160 / 161 / 488 / 450

Research Proposal Cover Letter

Date: 30/10/2019

From,

Ms. Evangeline. B and Ms. Haritha Shahina

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,

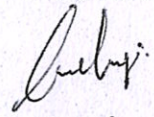
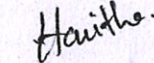
(Sub: Reg. Application for research proposal)

We are requesting you to accept our research proposal for the grant on topic "Comparison of lipid profile in tobacco users and non-tobacco users" guided by Dr. B. Karthika, Reader, Department of Oral Medicine and Radiology.

Details of our study is attached below. Kindly sanction us the financial grant for this research topic.


Thanking you,

Yours faithfully,

Evangeline. B

Haritha Shahina


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Research proposal

Title: Comparison of lipid profile in tobacco users and non-tobacco users

Background: Tobacco usage is one of the major factors in the genesis of coronary atherosclerosis and development of coronary heart diseases (CHD). Tobacco usage is recognized as a major risk factor for the development of ischemic heart disease may lead to alter a normal plasma lipoprotein pattern.

Aim: To study variations of the lipid profile in tobacco users and non-tobacco users. To study the lipid profile in different age group of tobacco users and non-tobacco users.


Method: The prospective study was carried out to find percentage of dyslipidemia among tobacco users in comparison with controls total 60 patients were included satisfying all the inclusion and exclusion criteria in this study. Serum lipid profile was analysed in all the subjects

Expected outcome: Increased amount of tobacco usage may cause more of dyslipidemia. Thus the study might create awareness among smokers and tobacco users about the variation in lipid profile impact and discourage tobacco usage in any form.

Budget: Rs.11,000/- (Rupees Eleven Thousand Only)

Investigator: Evangeline. B CRI,
Haritha shahina CRI

Guided by: Dr. B. Karthika


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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/31/Dec-2019

Date: 7/12/2019

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms. Evangeline. B and Ms. Haritha Shahina
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Ms. Evangeline. B and Ms. Haritha Shahina,

(Sub: Reg. Requisition for presentation)

This letter is to formally request a presentation on 26/12/2019 titled **“Comparison of lipid profile in tobacco users and non-tobacco users”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,

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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/06/Jan-2020

Proposal Acceptance Letter

Date: 22/01/2020

From,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

To,

Ms. Evangeline. B and Ms. Haritha Shahina

CRI,

Priyadarshini Dental College and Hospital

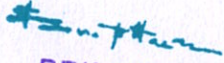
Pandur

Dear Ms. Evangeline. B and Ms. Haritha Shahina,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **“Comparison of lipid profile in tobacco users and non-tobacco users”** has been approved for grant funding of Rs.11,000/- (Rupees Eleven Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you


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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Yours sincerely,

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
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Campus : No 1, V.G.R. Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel: 2765 0160 / 161 / 488 / 450

PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs . Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

Payment Voucher

No. : 198

Dated : 22-Jan-20

Through : **Cash**

Particulars	Amount
Account : Seminars/Conference Expenses	11,000.00

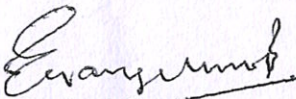
On Account of :

Being amount paid to Student Ms Evangeline for "comparison of lipid profile in tobacco users and non-tobacco users"

Amount (in words) :

INR Eleven Thousand Only

₹ 11,000.00

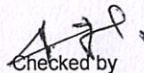


Receiver's Signature:



Prepared by

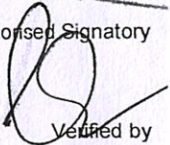




Checked by



Authorised Signatory



Verified by

Date: 28/04/2020

From,

Ms. Evangeline. B and Haritha Shahina

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

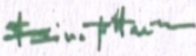
We are writing to inform you the successful completion of the "Comparison of lipid profile in tobacco users and non-tobacco users" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. We would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

We are pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that increased amount of tobacco usage causes more of dyslipidemia.

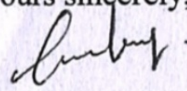
We have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, we are now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,


Haritha.

EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3500/- |
| 2. Materials | : Rs. 2000/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1200/- |
| 5. Logistics | : Rs. 2300/- |



PRINCIPAL

PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU

Research Proposal Cover Letter

Date: 22/10/2019

From,

Mr. Senthilnathan and Ms. Kowsalya

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,

(Sub: Reg. Application for research proposal)

We are requesting you to accept our research proposal for the grant on topic "Evaluation of antibacterial activity of Nigella sativa seed extract against P. gingivalis and P. intermedia" guided by Dr. I. Paavai, Professor, Department of Periodontics.

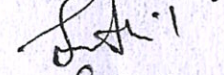
Details of our study is attached below. Kindly sanction us the financial grant for this research topic.

Thanking you,



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours faithfully,


Kowsalya.
Senthilnathan

Kowsalya

Research proposal

Title: Evaluation of Antibacterial Activity of *Nigella sativa* Seed Extract against *Porphyromonas gingivalis* and *Prevotella intermedia*

Background: Chemical plaque control agents and local drug delivery used in the management of periodontal therapy possess many adverse effects upon long-term usage. Hence, there is a search of herbal antibacterial agents with least adverse effects, which are being experimented to be used as an alternative to chemical agents. *Nigella sativa* is one such herb known for its antibacterial activity against many microorganisms. In this study, *N. sativa* is tested for its efficacy against significant periodontal pathogens.

Aim: The study aims were to evaluate the antibacterial activity of *N. sativa* against significant periodontal pathogens, *Porphyromonas gingivalis* and *Prevotella Intermedia*, and to compare its efficacy with tetracycline

Method: Methanolic extract of *N. sativa* seeds with three different concentrations of 12.5, 25, and 50 mg/ml was prepared, and the antibacterial activity of *N. sativa* seeds was tested against bacterial strains of *P. gingivalis* and *P. intermedia* in culture plates. Zones of inhibition of bacterial growth were measured in three different concentrations and compared with tetracycline.

Expected outcome: *N. sativa* may be used as a safe adjunct in periodontal therapy.

Budget: Rs. 10000/- (Rupees Ten Thousand only)

Investigator: Mr senthilnathan CRI,

Mr kowsalya CRI

Guided by: Dr. Paavai Ilango



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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/33/Dec-2019

Date: 9/12/2019

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Mr. Senthilnathan and Ms. Kowsalya
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Mr. Senthilnathan and Ms. Kowsalya,

(Sub: Reg. Requisition for presentation)

This letter is to formally request a presentation on 26/12/2019 titled **“Evaluation of antibacterial activity of Nigella sativa seed extract against P. gingivalis and P. intermedia”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you

Yours sincerely,

PRINCIPAL
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Priyadarshini Dental College & Hospital

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PDCH/Letter/PDCHIIC/17/Feb-2020

Proposal Acceptance Letter

Date: 22/02/2020

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Mr. Senthinathan and Ms. Kowsalya,
CRI,
Priyadarshini Dental College and Hospital
Pandur

Dear Mr. Senthinathan and Ms. Kowsalya,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **"Evaluation of antibacterial activity of Nigella sativa seed extract against P. gingivalis and P. intermedia"** has been approved for grant funding of Rs.10,000/- (Rupees Ten Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you

PRINCIPAL
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PANDUR - 631 203.
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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Yours sincerely,

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
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Campus : No 1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203. Thiruvallur Taluk & District. Tel : 2765 0160 / 161 / 488 / 450

Date: 18/05/2020

From,

Mr. Senthilnathan and Ms. Kowsalya

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)


We are writing to inform you the successful completion of the "Evaluation of antibacterial activity of Nigella sativa seed extract against P. gingivalis and P. intermedia" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

We are pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that Nigella sativa can be used as a safe adjunct in periodontal therapy.

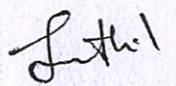
We have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, we are now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,


Kowsalya.

EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2000/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2000/- |


PRINCIPAL
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PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Home > Bacteria > Bacteriology > Prevotella > Bacteroidetes > Microbiology > Prevotella intermedia

Article

Evaluation of antibacterial activity of Nigella sativa seed extract against Porphyromonas gingivalis and Prevotella intermedia

January 2020 · Journal of Interdisciplinary Dentistry 10(2):51

DOI:10.4103/jid.jid_62_19

Authors:



Kowsalya
Senthilnathan



Paavai Ilango
Tamil Nadu Dr. M.G.R. Medical University



Abirami Thanigaimalai
Tamil Nadu Dr. M.G.R. Medical University



VasanthAyswary
Vummidi

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To read the full-text of this research,
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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs : Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

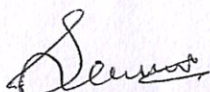
Payment Voucher

No. : 42

Dated : 22-Oct-20

Through : **Cash**

Particulars	Amount
Account : Seminars/Conference Expenses	10,000.00
On Account of : Being amount paid to Student Mr. Senthilnathan for "Evaluation of Antibacterial Activity of Nigella sativa Seed Extract against Porphyromonas gingivalis and Prevotella intermedia"	
Amount (in words) : INR Ten Thousand Only	₹ 10,000.00



Receiver's Signature:



Prepared by





Checked by



Authorised Signatory



Verified by



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Cir/PDCHIIC/20/SEP-2018

PDCH INNOVATION AND INCUBATION CENTRE - CALL FOR RESEARCH PROPOSAL

DATE: 14/9/2018

We pleased to inform that incubation center of Priyadarshini Dental College and Hospital is inviting research proposal from the third year, final year, and CRI of our institution for short – term projects of 3-month duration on innovative research topic from respective department

Guidelines for research proposal

Eligibility criteria


Third year, final year and CRI students are eligible for institutional research grant. Number of applicants: Minimum 2 from each specialty each department should submit proposal twice the number of sanctioned grants. Applicants are required to submit the proposal – outlining the objective, methodology, expected outcome and budget for the project

Peer review

Grant committee which includes external experts from respective specialty will evaluate and score the research proposal based on scientific merit, innovation and feasibility

Time line Applicants need to complete their research within the allocated time (maximum 3 months)

Submission and reporting requirements


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU

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Campus : No 1, V.G.R.Gardens, V.G.R. Nagar, Pandur - 631 203 Thiruvallur Taluk & District. Tel : 2765 0160 / 161 / 488 / 450



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Applicants are requested to start their research only after the institutional ethical committee approval and update regular reports and financial status to the research committee

Ethical committee

Research proposal must adhere to the ethical guidelines especially if human or animal subjects are involved

Intellectual property

The grant approved research property if send for further publications has to be initiated and approved by research committee and publication committee. The grant approved research project has to include institution name in the publication.

Compliance regulation

Research must comply with all relevant regulation including that involving control substances or international collaboration according to ICMR guidelines of **NATIONAL ETHICAL GUIDE LINES FOR BIOMEDICAL AND HEALTH RESEARCH**

Accountability

Researcher must be prepared to be held accountable for the appropriate use of funds and the activities of research

Conflict of interest

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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
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Candidate are often required to disclose any potential conflict that could affect the integrity of research. deadline for the submission of research proposal will be October any proposal beyond deadline will not be entertained decision of research committee will be final and binding. Proposal to be submitted as one soft copy to Research committee through mail and a hard copy to be submitted to the research committee

Detail should be submitted in following order:

- **Title** :
- **Background** :
- **Objective** :
- **Methodology** :
- **Expected outcome** :
- **Novelty of study** :
- **Clinical significance** :
- **Budget** :
- **Investigator (Student)** :


The Chairperson,

PDCH Innovation and

Incubation center


PRINCIPAL

**PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203,
THIRUVALLUR TK & DIST. TAMIL NADU**

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Research Proposal Cover Letter

Date: 22/10/2018

From,

Ms. Dhanapriya kumar and Ms. Divya N. kumar

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur


Respected Sir/Madam,

(Sub: Reg. Application for research proposal)

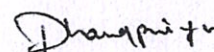
We are requesting you to accept our research proposal for the grant on topic "Platelet count and its association with periodontitis in smokers and non-smokers" guided by Dr. T. Sridhar, Professor and Head, Department of Oral Medicine and Radiology.

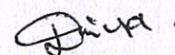
Details of our study is attached below. Kindly sanction us the financial grant for this research topic.

Thanking you,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU.

Yours faithfully,





Dhanapriya kumar

Divya N kumar

Research proposal

Title: "Platelet count and its association with periodontitis in smokers and non-smokers"

Background: Periodontitis is an inflammatory disease of chronic infections. The disease has multiple etiologies among which smoking is a significant one. 'Smoking and periodontitis is an ever related concept but they are less correlated in terms of platelet count. The present study involved the estimation of platelet count in smokers and non-smokers with and without periodontitis so as to assess the impact of platelets in both smoking and periodontitis.

Aim: The aim of the study to evaluate the platelet count and its association with periodontitis in smokers and non-smokers.

Method: 120 systemically healthy periodontitis subjects were included in the study and categorized as four groups based on the presence or absence smoking habit. Platelet examination was done by routine blood investigation.

Expected outcome: There might be quantitative association between platelets and periodontitis in smokers and non-smokers.

Budget: Rs 10,000/- (Rupees Ten thousand only)

Investigator: Ms. Dhanapriya Kumar, CRI, Ms Divya N. Kumar, CRI,

Guided by: Dr T. Sridhar


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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/40/Dec-2018

Date: 7/12/2018

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms Dhanapriya Kumar, Ms Divya N. Kumar
CRI, Priyadarshini Dental College and Hospital,
Pandur


Dear Dhanapriya Kumar and Divya N. Kumar,

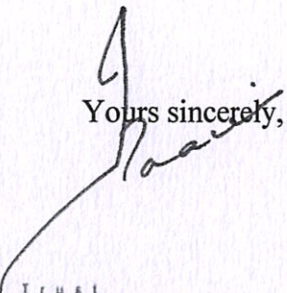
(Sub: Reg. Requisition for presentation)

This letter is to formally request a presentation on 25/12/2018 titled **“Platelet count and its association with periodontitis in smokers and non-smokers”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,


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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs : Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

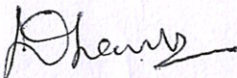
Payment Voucher

No. : 70

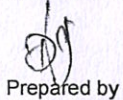
Dated : 17-Jan-19

Through : **Cash**

Particulars	Amount
Account :	
Seminars/Conference Expenses	10,000.00
On Account of :	
Being amount paid to Student Ms Dhanapriya for Platelet count and its association with periodontitis in smokers and non-smokers	
Amount (in words) :	
INR Ten Thousand Only	
	₹ 10,000.00



Receiver's Signature:

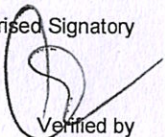

Prepared by




Checked by

H.K. Venkat Prasad

Authorised Signatory


Verified by



Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

PDCH/Letter/PDCHIIC/09/Jan-2019

Proposal Acceptance Letter

Date: 17/01/2019

From,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

To,

Ms. Dhana Priya.K and Ms. Divya N Kumar

CRI,

Priyadarshini Dental College and Hospital

Pandur

Dear Ms. Dhana Priya.K and Ms. Divya N Kumar,

(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **"Platelet count and its association with periodontitis in smokers and non-smokers"** has been approved for grant funding of Rs.10,000/- (Rupees Ten Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,

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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.

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Date: 18/04/2019

From,
Ms. Dhanapriya Kumar and Ms. Divya N. Kumar
CRI,
Priyadarshini Dental College and Hospital
Pandur
To,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)


We are writing to inform you the successful completion of the "Platelet count and its association with periodontitis in smokers and non-smokers" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. We would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

We are pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested a quantitative association between platelets and periodontitis in smokers and non-smokers.


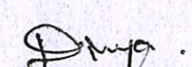
We have enclosed the expenses of this study along with this letter. Please do find the attachment.

In light of the successful completion of the study, we are now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely

EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2000/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2000/- |



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THIRUVALLUR TK & DIST. TAMIL NADU.

Research Proposal Cover Letter

Date: 29/10/2018

From,

Ms. Vanessa Ravel

CRI,

Priyadarshini Dental College and Hospital

Pandur

To,

The Chairperson,

PDCH Innovation and Incubation centre,

Priyadarshini Dental College and Hospital,

Pandur

Respected Sir/Madam,

(Sub: Reg. Application for research proposal)

I'm requesting you to accept our research proposal for the grant on topic "Evaluation of antibacterial activity of lemon grass oil against oral clinical isolates- An invitro study" guided by Dr. I. Paavai, Reader, Department of Periodontics.

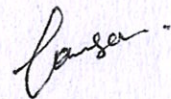
Details of my study is attached below. Kindly sanction me the financial grant for this research topic.

Thanking you,



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours faithfully,



Vanessa Ravel

Research proposal

Title: Evaluation of Antibacterial Activity of Lemongrass Oil against Oral Clinical Isolates – An In vitro Study

Background: There are 1,200 oral species out of which 400 are potentially important and 20 organisms are periodontopathic. Periodontal flora plays the important role in initiation and progression of periodontal diseases. There are various conservative and surgical procedures to treat and prevent periodontal diseases. Local drug delivery agents reduce microbial burden, blocks collagenase activity and inhibits bone loss; out of which tetracycline is common in use. Unwanted side effects and resistance of microorganisms towards antibiotics due to their widespread use have modified the general prescription about their efficacy. Various researches elucidate that herbal extracts exhibit wide range of antibacterial activity. In recent years, Lemongrass essential oil gains scientific interest as it targets even the periodontal pathogens. The purpose of this study is to comparatively evaluate the antibacterial activity of lemongrass essential oil with that of tetracycline

Aim: To comparatively evaluate the antibacterial activity of lemongrass essential oil with tetracycline against *Streptococcus mutans*, *Staphylococcus epidermidis* and *Lactobacillus* and to determine the minimal inhibitory concentration of lemongrass essential oil.

Method: It is an *in vitro* study done to demonstrate the antimicrobial activity of lemongrass against the oral microbes. Based on their involvement in various clinical conditions *Streptococcus mutans*, *Staphylococcus epidermis* and *Lactobacillus* were selected for the study. These organisms were inoculated to a solid media and incubated overnight aerobically at 37°C to obtain a pure culture. The culture was made as a suspension in sterile saline with the turbidity matching 0.5 Macfarland standard. This is used to make a lawn culture on the Mueller Hinton Agar. Antimicrobial effect of tetracycline was tested using standard disc of doxycycline 30 mcg (Himedia, SD012) and sterile disc was used to prepare lemongrass essential oil which contained 10 µl, 15 µl and 20µl. In each category 5 discs were tested to get a mean zone of inhibition. After 24 hours of incubation the zone of inhibition was measure in mm using a scale. The measured zone size was tabulated and compared among the groups.

Expected outcome: The antibacterial activity of lemongrass essential oil may be better than tetracycline against *Streptococcus mutans*, *Staphylococcus epidermidis* and *Lactobacillus*.

Budget: Rs 10,000/- (Rupees Ten Thousand only)

Investigator: Ms. Vanessa Ravel

Guided by: Dr. Paavai Ilango



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Priyadarshini Dental College & Hospital

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PDCH/Letter/PDCHIIC/42/Dec-2018

Date: 18/12/2018

From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

To,
Ms. Vanessa Ravel
CRI, Priyadarshini Dental College and Hospital,
Pandur

Dear Vanessa Ravel,

(Sub: Reg. Requisition for presentation)

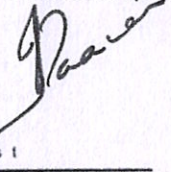
This letter is to formally request a presentation on 28/12/2018 titled **“Evaluation of antibacterial activity of lemon grass oil against oral clinical isolates- An invitro study”** to discuss and seek approval for the grant proposal submitted. The purpose of presentation is to provide a detailed overview of your proposed project, address any questions, or concerns we may have and ensure a clear understanding of the potential impact and significance of the research.

Please confirm your availability at your earliest convenience.

Thanking you 

PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,



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PDCH/Letter/PDCHIIC/11/Jan-2019

Proposal Acceptance Letter

Date: 24/01/2019

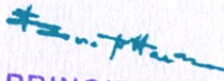
From,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur
To,
Ms. Vanessa Ravel
CRI,
Priyadarshini Dental College and Hospital
Pandur

Dear Ms. Vanessa Ravel,

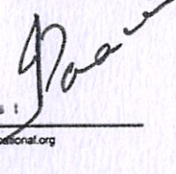
(Sub: Letter of acceptance for research proposal)

We are pleased to inform that your research proposal **"Evaluation of antibacterial activity of lemon grass oil against oral clinical isolates- An invitro study"** has been approved for grant funding of Rs.10,000/- (Rupees Ten Thousand Only) by PDCH Innovation and Incubation centre. The study has undergone a thorough evaluation process including a comprehensive review of research proposal, ethical consideration and the potential impact of the research. We look forward to the successful implementation and the completion of the research project.

Thanking you


PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,



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Priyadarshini Dental College & Hospital

(Approved by Govt. of India & DCI - New Delhi & Affiliated to the Tamilnadu Dr. MGR Medical University, Chennai - 32)

Note:

1. Get ethical clearance before the start of the study.
2. To submit report after the completion of the research project.


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PRIYADARSHINI DENTAL COLLEGE & HOSPITAL

Runs : Indira Educational And Charitable Trust

No: 1,Vgr Nagar, Vgr Gardens, Pandur

Thiruvallur Taluk & District

State Name : Tamil Nadu, Code : 33

Payment Voucher

No. : 71

Dated : 24-Jan-19

Through : **Cash**

Particulars	Amount
Account :	
Seminars/Conference Expenses	10,000.00
On Account of :	
Being amount paid to Student Ms Vanessa Ravel for "Evaluation of Antibacterial activity of lemongrass oil against oral clinical isolates – an in vitro study"	
Amount (in words) :	
INR Ten Thousand Only	
	₹ 10,000.00

Receiver's Signature:

Prepared by

Checked by

Checked by

H.R. Venkatesh Prasad

Authorised Signatory

Verified by

Date: 15/04/2019

From,
Ms. Vanessa Ravel
CRI,
Priyadarshini Dental College and Hospital
Pandur
To,
The Chairperson,
PDCH Innovation and Incubation centre,
Priyadarshini Dental College and Hospital,
Pandur

Respected Madam,

(Sub: Reg. Completion of the study and requisition to publish)

I am writing to inform you the successful completion of the "Evaluation of antibacterial activity of lemon grass oil against oral clinical isolates- An invitro study" project as per the proposal submitted without any deviations. This was made possible through the generous funding provided by the PDCH Innovation and Incubation Center. I would like to express my sincere gratitude for the support and trust you have placed in our research endeavors.

I'm pleased to report, that the study has yielded significant findings and insights with the ultimate goal of advancing knowledge in the field of dentistry. The current study suggested that lemongrass essential oil showed higher antibacterial activity than tetracycline.

I have enclosed the expenses of this study along with this letter. Please do find the attachment.

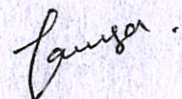
In light of the successful completion of the study, I'm now seeking your approval for the dissemination of our findings through publication in reputable academic journals and other relevant platform.

Thanking you,



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
THIRUVALLUR TK & DIST. TAMIL NADU

Yours sincerely,



EXPENSES

- | | |
|----------------------------|--------------|
| 1. Lab procedures | : Rs. 3000/- |
| 2. Materials | : Rs. 2000/- |
| 3. Statistical analysis | : Rs. 2000/- |
| 4. Stationery and Printing | : Rs. 1000/- |
| 5. Logistics | : Rs. 2000/- |



PRINCIPAL
PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,
PANDUR - 631 203.
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