



### PRINCIPAL DESK

World organ donation day is observed on August 13 every year. It is observed to raise the awareness about the importance of organ donation and to encourage people to become organ donors. It also aims to debunk the myths regarding organ donation. At least upto 8 lives can be saved by organ donations by one person after death. While it is a noble act one should be aware of the ethical issues and take every step to avoid malpractice. The first organ transplant was done by Dr Joseph Murray in 1954 when he did a renal transplant between 2 identical twins. In India organ donation day is celebrated on 27<sup>th</sup> November. There are around 5 lakh people in India waiting for a transplant. About .01% people donate organs after death. India has the "Transplantation of organs and tissues act" to regulate organ donation. Every institution doing the organ transplantation has a transplant committee to facilitate the procedure.

The first renal transplant was done in our institution in the year 2007. Since then 62 Renal transplantations including 5 cadaver transplants has been carried out which is a major achievement. I take this opportunity to congratulate the Urology and Nephrology departments as well all the people behind this for their dedicated efforts. Let us promote organ donation by spreading the message across people.

### BIOCHEMISTRY AND ITS IMPLICATIONS IN CLINICAL MEDICINE



**Dr GEETHA ANANTHA RAMAN,**  
Professor & HOD,  
Department of Biochemistry,  
PIMS&RC

The Science of Biochemistry deals with chemistry taking place in the human body in the normal as well as disease states. Every event in the body including thought processes is mediated by chemical processes. All diseases have a biochemical basis. The science of Biochemistry also includes the way in which genetic information is transmitted from parents to offspring and the abnormalities that can occur during the process. It also includes how to detect these abnormalities thereby helping to diagnose diseases in the fetus.

With the disappearance of covid, the era of pandemic of infectious diseases is a thing of the past. Today we are facing the pandemic of life style disorders mainly obesity, diabetes and heart disease. The basic biochemical mechanism underlying all the above disorders is insulin resistance. Insulin resistance means the hormone insulin produced in the body is not doing its functions. There are methods to measure insulin resistance in Biochemistry. If insulin resistance is identified we can correct it by appropriate measures.

Another rapidly progressing field is prenatal diagnosis - detecting abnormalities in the child before it is born. This gives the parents the option of terminating the pregnancy. An abnormal child is a liability to the parents and untold suffering for the child. This is more so in this era of nuclear family set up. This branch is practiced in western countries and is now becoming more popular in India. In all these areas Biochemists step in.

# Pushponam 2023



**NSS UNIT OF  
PIMSRC  
OBSERVED THE  
77<sup>TH</sup>  
INDEPENDENCE DAY**



The programme commenced at 9.00 am in the basketball court with Independence day address by Dr. Tomy Philip (Principal, PIMSRC). Dr. Tomy Philip hoisted the National Flag. Independence day flashmobs were performed by the students. The observance concluded with National Anthem by the volunteers and gathered. NSS programme officer Dr. Betsy A Jose (Assistant Professor, Department of Community Medicine) coordinated the programme along with EKAM college union .

## **WORLD BREASTFEEDING WEEK OBSERVANCE ON AUGUST 7<sup>TH</sup>, 2023**

The Department of Community Medicine, along with the Departments of Pediatrics and Obstetrics and Gynecology, in collaboration with the Department of Women and Child Development, Pathanamthitta division, Kerala State Government, organized a series of events to observe World Breastfeeding Week on August 7, 2023. The target audience included MBBS students from Pushpagiri College and MSW students from Assumption College. The event provided valuable insights to the attendees, creating awareness about the benefits of breastfeeding and the role of medical and community support in ensuring the well-being of mothers and infants.

The event commenced with informative health awareness sessions delivered by experts from different medical fields. Dr. Susan Mathew (Head of the Department of Obstetrics and Gynecology) discussed perinatal health, focusing on the well-being of mothers during pregnancy and childbirth. Dr. Jewel Maria George (Senior Resident in Pediatrics), highlighted the importance of exclusive breastfeeding for the optimal growth and development of infants. Dr. Preetha Jackson (Junior Resident in Community Medicine), shed light on various government programs aimed at promoting breastfeeding and supporting new mothers. Mrs. Anitha Deepthi (District Project Officer) and Dr. Preetha Kumari R (Child Development Project Officer, Department of Women and Child Development) discussed the various aspects related to the Maternity Benefit Act.

It was followed by IEC Poster Display during which the Department of Pediatrics showcased Information, Education, and Communication (IEC) posters that emphasized the benefits of breast milk and exclusive breastfeeding. These posters aimed to create awareness among the attendees about the significance of early initiation and sustained breastfeeding practices. To complement the breastfeeding awareness initiative, the Integrated Child Development Services (ICDS) Supervisors from Pathanamthitta organized an exhibition featuring locally available nutritious food options. This exhibition aimed to educate attendees about the importance of a balanced diet for lactating mothers and the nutrition of infants.





## J K TRIVEDI MEMORIAL LECTURE

6th J K Trivedi Memorial Lecture was organised by the WFMH (Asia Pacific) and the National Alliance for Mental Health- India at Pushpagiri on 7th August 2023. The speaker, Dr. Miriam Isaac (from UK) was honoured by WFMH Vice President Prof. Roy Kallivayalil. Guest of honour was Dr. Jacob Abraham, HOD Paediatrics. Dr Joyce Geo, Dr Liza Verghese, Dr Soumya P Thomas, Dr Derrick Johnson, Sri Cyril Podipara and others spoke on the occasion.

## PUSHPAGIRI GRAND ALUMNI MEET 2023 – “RITHU”



The inauguration of the "Pushpagiri Grand Alumni Meet 2023 - Rithu" was held on 13th August 2023 at the Pushpagiri Senate hall. It was indeed a warm experience for all the alumni and the beloved teachers who are the pillars of the medical education in Pushpagiri for the past twenty years. The event was inaugurated by Fr. Jose Kallumalickal (CEO, Pushpagiri group of institutions) and felicitated by Dr. Tomy Philip (Principal PIMSRC), Rev. Fr. George Valiyaparambil (Director PIMSRC), Dr. T.U. Sukumaran (former HOD, Paediatrics) and Dr. Abraham Jose (former Dean, PIMSRC). The faculty and the alumni shared their fond memories related to their time in Pushpagiri. Teachers were honoured through the traditional ceremony of 'ponnada aniyikkal' by students from all the passed out batches. The event was a grand success and the beginning of many such Alumni meetups in the future.



## “Elevating research practice: a journey through research methodology, statistics and critical appraisal” – One day workshop

A one-day Workshop “Elevating research practice: a journey through research methodology, statistics and critical appraisal” was conducted on Monday, August 21, 2023 for Faculty and Post Graduates of Pushpagiri Group of Institutions. This workshop was jointly organized by the Research Development and Innovation Cell (RDIC), PIMS & RC and Pushpagiri Centre for Evidence Based Practice (PCEBP). The venue was Senate Hall and the programme was from 10 am to 4.30 pm. It was conducted by the following resource faculty, **Dr. Jayadevan Sreedharan** [PhD (Statistics), PhD (Epidemiology), [Professor of Epidemiology and Biostatistics, Director – Institute of Population Health, Gulf Medical University, Ajman, United Arab Emirates, Adjunct Professor- University of Arizona, USA] and **Dr. Jayakumary Muttappallymyalil MD, PhD** [Professor of Community Medicine, Gulf Medical University, Ajman, United Arab Emirates, Adjunct Professor- University of Arizona, USA].

The workshop started with welcome note by Prof. Dr. Abraham Varghese (Medical Director and Vice Principal-PG). He introduced and warmly welcomed the resource faculty. This was followed by the classes on overview of statistical methods and research methodologies for health and life sciences with examples from medicine. Activities followed these sessions to make sure that the participants understood the various methods used in medical research. In the afternoon, a detailed class on critical appraisal of published articles with illustrations on one article was taken by the faculty. Then the participants were divided in to four groups and each group was given a recent published article for critical appraisal. Presentation by two groups provided a good learning platform for the participants. Dr. Mathew Pulicken (Professor and Head of Critical Care and Deputy Medical Director) gave a detailed feed back on the entire programme. Rev. Fr. George Valiyaparambil attended the feed back session and distributed the certificates and mementos. The workshop ended with vote of thanks by Dr. Gaddam Vijaya Lakshmi (Professor of Anatomy and Vice principal-UG Academic).

## NETHRAM 2023

Department of Ophthalmology conducted the annual CME - NETHRAM' 23 in association with Ophthalmic society of Pathanamthitta and Kerala society of Ophthalmic surgeons on August 20<sup>th</sup> at Pushpagiri Medical College senate Hall. Around 100 delegates from various parts of Kerala attended the program to share insights. Eminent speakers from various subspecialties of ophthalmology added immense value to the conference. A state wise PG quiz competition was conducted providing a platform for postgraduate students to enhance their knowledge and skills in Ophthalmology. This one day program featured a diverse range of topics including advances in cataract surgery techniques, recent developments in glaucoma management, innovations in retinal imaging and treatment, paediatric ophthalmology updates. The NETHRAM Ophthalmology conference successfully brought together ophthalmology professionals and the event contributed to the continued growth and development of the field, ensuring that eye care remains at the forefront of healthcare.



## INSPIRATIONS 2023 - ANNUAL CME OF INSPIRE

The annual CME of the Department of Respiratory Medicine, Pushpagiri Medical College "Inspirations 2023" was conducted on 20<sup>th</sup> August at Vijaya International Convention Centre. The CME was blessed and inaugurated by Rev. Father Jose Kallumalikal (CEO, Pushpagiri Medical College and Secretary of Pushpagiri Medical Society). Dr. Mathew Ninan (Professor and HOD of Respiratory Medicine) delivered the Presidential address. Dr. P Sukumaran (Professor), Dr. Bency K Thomas (Associate Professor), Dr. Kurian Oommen (President- APCCM), Dr. B. Jayaprakash (Secretary - APCCM), Dr. Tomy Philip (Principal, Pushpagiri Medical College), Dr. Abraham Varghese (Medical Superintendent & Vice Principal - PG), addressed the gathering. Dr. Nandini V (Baby Memorial Hospital, Kozhikode), Dr. Rajesh V (Rajagiri Hospital, Kochi), Dr. Jefferson Daniel (Christian Medical College, Vellore), spoke regarding the various newer advancements in the management of Asthma. Dr. B. Jayaprakash (Professor and HOD, Govt TD Medical College Alappuzha, Secretary APCCM), conducted the Pushpagiri Diamond Jubilee State level Quiz Competition. Dr. Anushree, Dr. Vivek (Government Medical College, Kottayam) were the winners. Dr. Vani, Dr. Abdullah (Aster Medcity) came second and Dr. Reshma, Dr. Anjali (Govt TD Medical College, Alappuzha Medical College) secured the third position. The CME programme was well appreciated by the audience and was a huge success.



## FAMILY AND CARERS' MEET

Family and Carers' Meet (organised by WFMH -Asia-Pacific and NAMH-India) and Onam celebrations at the Department of Psychiatry, Pushpagiri were conducted on 23<sup>rd</sup> August. CEO, Rev. Fr. Jose Kallumalikal inaugurated the function. Fr. Thomas Pariyarath (Administrator), Dr. Roy Kallivayalil (HOD), Dr. Liza Varughese, Ms. Lisy Thomas, Sri Vijayan Nambodiri and Dr. Derrick Johnson were also present. The highlights were Onam songs by medical students, huge participation by users, carers and families and Onam gifts for all.



## GUEST LECTURE ON HIV

The Department of Community Medicine organised a Guest lecture on HIV on 7<sup>th</sup> August 2023. Mr. Dennies George (Cluster program Manager, DISHA Kollam, KSACS) delivered the lecture regarding recent advances in HIV/AIDS program. The program was coordinated by Dr. Betsy A Jose, Assistant Professor, Community Medicine.



## GUEST LECTURE ON HEALTH WORKFORCE

The Department of Community Medicine organized a Guest lecture on "Health Workforce" by Dr. Tapas Nair (Technical Officer, WHO). It was followed by a talk by Dr. Sherin Susan Paul (Professor, Community Medicine, PIMS&RC) on the topic "Health Equity and Community Health Workers - Opportunities and Challenges". After the session postgraduates interacted with Dr. Tapas Nair where they discussed about the relevance of Community Medicine speciality in the broader Public health context. Dr. Sherin Susan Paul was the coordinator of the program.

# PUSHPAGIRI . RESEARCH CENTRE UPDATES

Visit to MG University Kottayam for planning for future collaborations



The exuberant Scientists and Faculties of Pushpagiri Research Centre (PRC) under the leadership of our Director, **Rev. Fr. Dr. Mathew Mazhavancheril** visited MG University Kottayam on 11<sup>th</sup> August, 2023. The research team had a meeting with **Dr. Nandakumar Kalarikkal**, Senior Professor (Ex-Director & Chair) in School of Pure and Applied Physics and Honorary Director International and Inter University, Centre for Nanoscience and Nanotechnology. He is also serving as the Director-in-Charge, School of Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam - 686 560, Kerala, India. The research team from PRC presented their research domain and their research works in the meeting which included presentations from:

- Dr. Nebu George Thomas** – Tissue Engineering and Regenerative Medicine Laboratory
- Dr. Yogesh Bharat Dalvi** – Molecular Biology Laboratory
- Dr. Soumya R. S** – Biochemistry Laboratory
- Dr. Aniket Naha** – Medical Biotechnology and Computational Drug Designing Laboratory

The Research Director Rev. Fr. Dr. Mathew Mazhavancheril introduced the scientists of PRC and briefed the research activities and achievements of PRC initially. The research team had fruitful discussions with Prof. Nandakumar Kalarikkal and his scholars. Both the institutes have been collaborating since long and produced several publications and patents in international peer-reviewed journals of high repute. The members discussed and planned on future collaborations and research activities to be undertaken. The PRC team thereafter visited different laboratories and saw the various advanced instrumentation facilities and their accessibilities for using them for our future researches. The meeting ended with the scientists wishing good luck and fruitful collaborations for joint future endeavors.



## Academia-Industrial collaboration



In an exciting development, Pushpagiri Research Centre (PRC) hosted a significant meeting on August 16<sup>th</sup>, marking a pivotal step towards fostering Academia-Industrial collaboration. The event witnessed a constructive dialogue between PRC's esteemed scientists and researchers, led by Research Director Rev. Dr. Mathew Mazhavancheril, and Dr. Sreeraj Gopi, (the Co-founder and Director of Molecules Food Solutions Private Limited.)

The rendezvous, held at the Pushpagiri Research Centre, was marked by enthusiastic participation from both sides. Dr. Sreeraj Gopi, a prominent figure in the field of food solutions, shared valuable insights from the industry and highlighted the potential avenues for collaboration between academia and the industry. The interaction revolved around synergizing research efforts, sharing expertise, and jointly addressing key challenges faced by both academia and industry.

The main thrust of the discussion was the exploration of opportunities for PRC's foray into Academia-Industrial collaboration. With its rich history of research excellence, PRC aims to bridge the gap between theoretical advancements and practical implementations. By partnering with industry leaders like Molecules Food Solutions Private Limited, PRC is poised to contribute significantly to innovative solutions, technological advancements, and skill development that align with real-world industrial needs.

Rev. Dr. Mathew Mazhavancheril, Research Director at PRC, expressed his optimism about the collaboration's potential to catalyze groundbreaking advancements. He emphasized the need for academia and industry to collaborate closely, as such partnerships have the potential to drive meaningful change and sustainable progress.

Both parties agreed to embark on further discussions to delineate the specifics of their collaboration. This pioneering effort signifies a crucial step forward in strengthening the relationship between academia and the industry, fostering an environment of mutual learning and growth.

As PRC and Molecules Food Solutions Private Limited prepare to venture into this promising partnership, the future holds the promise of cutting-edge research, innovative solutions, and the integration of academia's intellectual vigor with the industry's practical acumen. This milestone meeting undoubtedly sets the stage for a new era of collaborative excellence





congratulations



Dr. G MEENU, Dr. RAKHI MANOHAR, Dr. VIMAL THOMAS OOMMEN

The young innovation program that was organized and conducted by the Kerala Government at Kannur, the post graduate students of pushpagiri college of dental sciences holds the 1<sup>st</sup> place for their project. The team includes Dr. Meenu G, Dr. Rakhi Manohar, Dr. Vimal Thomas Oommen, Currently pursuing their post graduation from department of periodontology, Puhpagiri College of Dental Sciences. The topic presented was regarding the bonegrafts that was developed from fish bones, Under the guidance of Dr. Thomas George V ( Prof. & Head, Department Of Periodontology), Dr. Nebu George Thomas ( Scientist & Prof, Pushpagiri Research centre And Department Of Periodontology), Dr. Binci P K ( Scientist, CIFT). Scientific help for the development of fish bone based bone grafts are done in CIFT and Pushpagiri Research Centre. Work will be performed at the Tissue Engineering & Regenerative Medicine Lab of PRC.

## PUSHPAGIRI RESEARCH CENTRE ONAM CELEBRATION



# RESEARCH CENTRE PUBLICATIONS

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CHAPTER

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## Phospholipase activities in cardiovascular disease and its role as a potential biomarker in heart failure

R.S. Soumya<sup>a</sup> and Prathapan Ayyappan<sup>b</sup>

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### 1 Introduction

Despite the massive advancements in medical therapeutics, coronary artery disease (CAD) has remained the prominent trigger of mortality worldwide in recent decades. The existing knowledge on the evaluation of cardiovascular risk is insufficient, and it merely represents the

myocardial infarction and is a chief contributor to multiple peripheral vascular diseases (PVD) (Alfarisi et al., 2020; Ambrose and Bhullar, 2019; Libby et al., 2019). This is accredited, in part, to environmental factors, traditional risk factors, and stressful lifestyles. However, in the last few decades many conventionally created atheroprotective and cardioprotective medications based

jove

2

## Isolation, Culture, and Characterization of Dental Pulp Stem Cells from Human Deciduous and Permanent Teeth

Sukumaran Anil<sup>1,2</sup>, Nebu G. Thomas<sup>2</sup>, Elna P. Chaliserry<sup>2</sup>, Yogesh B. Dalvi<sup>2</sup>, Ramya Ramdoss<sup>3</sup>, Sajith Vellappally<sup>4</sup>

<sup>1</sup>Oral Health Institute, Department of Dentistry, Hamad Medical Corporation <sup>2</sup>Pushpagiri Institute of Medical Sciences and Research Centre <sup>3</sup>Saveetha Dental College, Saveetha Institute of Medical and Technical Sciences <sup>4</sup>College of Applied Medical Sciences, King Saud University

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### Citation

Anil, S., Thomas, N.G., Chaliserry, E.P., Dalvi, Y.B., Ramdoss, R., Vellappally, S. Isolation, Culture, and Characterization of Dental Pulp Stem Cells from Human Deciduous and Permanent Teeth. *J. Vis. Exp.* (1), e65767. doi:10.3791/65767 (2023).

### Abstract

In the realm of regenerative medicine and therapeutic applications, stem cell research is rapidly gaining traction. Dental pulp stem cells (DPSCs), which are present in both deciduous and permanent teeth, have emerged as a vital stem cell source due to their accessibility, adaptability, and innate differentiation capabilities. DPSCs offer a readily available and abundant reservoir of mesenchymal stem cells, showcasing impressive versatility and potential, particularly for regenerative purposes. Despite their promise, the main hurdle lies in effectively isolating and characterizing DPSCs, given their representation as a minute fraction within dental pulp cells. Equally crucial

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## Ganoderma applanatum (Pers.) Pat. augments antitumor activity of doxorubicin and provides chemoprevention to murine tumor model

Ruby Varghese<sup>1†</sup>, Yogesh Bharat Dalvi<sup>1,3†\*</sup>, Namitha Vijay<sup>1</sup> & Vikram Gowda<sup>2</sup>

<sup>1</sup>Pushpagiri Research Centre, <sup>2</sup>Department of Physiology, Pushpagiri Institute of Medical Sciences and Research Centre, Thiruvalla, Kerala, India <sup>3</sup>Department of Chemistry, School of Sciences, Jain Deemed to be University, Bengaluru, Karnataka, India

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Doxorubicin (DOX) is a chemotherapeutic drug, used widely in the treatment of a variety of solid and hematological malignancies. However, its clinical utility is markedly reduced by dose-dependent cardiotoxicity. In the present study, Dalton lymphoma Ascites (DLA) cell line was administered to create a solid tumor in a murine model. DOX (25 mg/kg body wt) was administered intraperitoneally in overnight fasted Swiss albino mice to induce cardiac toxicity and hepatotoxicity. Thirty minutes before administering the chemotherapeutic drug, water-alcohol extract of the medicinal mushroom *Ganoderma applanatum* (GAWE) was administered to allotted groups. After five days, the extent of heart damage was analyzed by Electrocardiogram (ECG), further blood serum parameters, such as SGOT, SGPT, ALP, CK-MB, and LDH as well as antioxidants, such as GSH, GPx and tissue peroxidation by MDA level was determined for both liver and heart tissues. The mode of prevention by the mushroom extract from the damage caused by DOX at the molecular level and aberrations in tissue morphology by histopathology was also analyzed. The increase in blood serum parameters and MDA levels were significantly reduced with the GAWE administration. GAWE also upregulated heart and liver antioxidant enzymes and reduces ST, QT interval, and QRS complex, and increased heart rate as compared to DOX treated group. GAWE dose-dependently mitigated DOX-induced cellular discrepancies as evidenced by gene expression study and histological analysis. Hence, it can be concluded that the water-alcohol extract of *Ganoderma applanatum* (GAWE), is a potent candidate for adjuvant chemotherapy in cancer treatment as it effectively mitigated organ system drug-induced toxicities.

Keywords: Artist's Fungus, Cancer, Cardioprotection

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### Chapter

## Toxicity of Natural Hydroxyapatite

Saumya John, Rakhi Manoharan, Kavya Suresh, Lekshmi Mini, Nibu Varghese, Sajith Vellappally and Nebu George Thomas

### Abstract

Hydroxyapatite (HA) has been extensively researched in bone regeneration procedures for its close similarity with natural bone in composition and also due to its osteoconductive and bone healing properties. Natural hydroxyapatite (NHA) is

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### Original Article

## Photofunctionalization of Dental Implant Surfaces - A Histomorphometric Animal Study

Veena Paul<sup>1</sup>, Ahy Mathew T<sup>1</sup>, Nazia Rasheed<sup>1</sup>, Annie Susan Thomas<sup>1</sup>, Nebu George<sup>1</sup>

<sup>1</sup>Department of Prosthodontics, Amnor Dental College and Hospital Muvattupuzha, Kerala, India, <sup>2</sup>Department of Prosthodontics, Pushpagiri College of Dental Sciences, Thiruvalla, Kerala, India, <sup>3</sup>Private Practitioner, Kottayam, Kerala, India, <sup>4</sup>Department of Periodontics, Pushpagiri College of Dental Sciences, Thiruvalla, Kerala, India

**ABSTRACT** Aims: To compare and evaluate the degree of osseointegration of UV-treated (photo functionalized) and non-treated dental implants surface coated with Calcium phosphate using the Resorbable Blast Media (RBM) technique in an animal model. Settings and Design: Evaluative-Animal study design. Materials and Methods: Six titanium dental implants of diameter 3.2 mm and length of 8 mm with Calcium phosphate coated surface using RBM or resorbable blast media technology (Implant Genesis: Genesis Normo Implant system) were placed epicrestally into the proximal femoral condyle of New Zealand white female rabbits such that each animal received two implants. Before implantation, one out of the two dental implants was photo functionalized with intense UV light for 15 minutes. After twelve weeks of healing, the animals were euthanized and the harvested specimens were analyzed using histomorphometric light microscopy to assess two parameters



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ORIGINAL ARTICLE

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## Effectiveness of Platelet-Rich Fibrin with Decalcified Freeze-Dried Bone Allograft Compared to Decalcified Freeze-Dried Bone Allograft Alone in Mandibular Grade-II Furcation Defects: A Quasi-Experimental Study

Prameetha George Ittycheria<sup>1</sup>, Thomas George Veliyaveetil<sup>1</sup>, Annie Kitty George<sup>1</sup>, Saumya John<sup>1</sup>, Nebu George Thomas<sup>1</sup>, Sunu Alice Cherian<sup>1</sup>

<sup>1</sup>Department of Periodontology, Pushpagiri College of Dental Sciences, Thiruvalla, India.

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# ACHIEVEMENTS



**Dr. Mebin's**, Department of Urology presented a poster at the South Zone Conference of Urologists (SZUSICON 2023) held at Kovalam, Trivandrum on 12<sup>th</sup> August 2023. The topic was Paraganglioma of the urinary bladder : A case report



**Dr Glady Thomas**, Department of General Surgery completed her FMAS (Fellowship in Minimal Access Surgery ) conducted by Association of Minimal Access Surgeons of India (AMASI) in August 2023 . At Amrita institute of medical sciences Ernakulam



**Dr. John B. Jacob**, Department of General Surgery completed his FMAS (Fellowship in Minimal Access Surgery ) conducted by Association of Minimal Access Surgeons of India ( AMASI) in August 2023 . At Amrita institute of medical sciences Ernakulam



**Mr. Jojo Y George** ( Asst. Librarian ) (First Rank in Master of Library & Information Science, MG University) Kerala Library Association Gold Medal Award 2023. Received from Dr. VP Joy IAS ( Former Chief Secretary, Govt. of Kerala) Sri. Jacob Punnoose IPS ( Former Director General of Police), Dr. P S Sreekala (Director Kerala Knowledge Mission) , Smt. PK Sobhana ( Kerala State Librarian)

## APPOINTMENTS



**Dr. Deepthi S** is appointed as Assistant Professor in the Department of Forensic Medicine from 21<sup>st</sup> August 2023.



**Dr. Jaqulin Elsa Mathew** is appointed as Junior Resident in the Department of Nephrology from 1<sup>st</sup> August 2023.



**Dr. Joan Toms George** is appointed as Junior Resident in the Department of Oncology from 14<sup>th</sup> August 2023.



**Dr. Sharon Shibu Cherian** is appointed as Junior Resident in the Department of Neurology from 21<sup>st</sup> August 2023.



**Dr. Jasmine Mary John** is appointed as Junior Resident in the Department of Urology from 23<sup>rd</sup> August 2023.



**Dr. Archana Surendran** is appointed as Senior Resident in the Department of OBG from 9<sup>th</sup> August 2023.

## PROMOTIONS



**Dr. JS Divya Louis** (Department of OBG ) has been promoted to Assistant Professor from 1st August 2023.

## **PUSHPAGIRI CLINICAL CLUB NEWS**

The sessions of Clinical Club were conducted in the Month of August.  
Topics taken and their respective speakers were as follows:

- ▶ Role of ERCP in management of Biliary diseases- Dr. Divyansh Bhatt
- ▶ Mitochondria as a fascinating Therapeutic Target - Dr. Soumya R S
- ▶ When your Brain stops your Heart - Dr. Arun S
- ▶ PCNL - Our Experience - Dr. Mebin B Thomas

Conveners Capsule – Soft Doctor Series Speakers for the month were:

Dr. Harikrishnan S  
Dr. Soumya R S  
Dr. Mithun Murali Krishna  
Dr. Nebu Issac Mammen

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