

# Vydehi Institute of Medical Sciences & RC Department of Pharmacology

## PharmAcNews

August 2021 to July 2022

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### Message from Chairperson

Mrs. D.A. Kalpaja



It gives me immense pleasure to herald the first issue of PharmAcNews,

the annual newsletter of the department of pharmacology, VIMS & RC that focuses on academic milestones, achievements, and accomplishments. It has been said that education is the most powerful tool to elicit change; and creativity is the key to success. PharmAcNews combines both to give the reader an exciting and meaningful presentation of academic news in pharmacology in the last year.

### Message from Dean

Dr. G. Prabhakar



Best wishes for the success of PharmAcNews launched by the Department of Pharmacology

### Message from Principal

Dr. Shreedhar Venkatesh



Wishing the newsletter all the success. Congratulations to the pharmacology team on the wonderful knowledge sharing endeavor. Best wishes to "PHARMAQUEST"

### From the desk of Editorial Team

Faculties of the department of Pharmacology

We are thrilled to present the first academic newsletter of the Department of Pharmacology, Vydehi Institute of Medical Sciences & Research Centre, Bengaluru. "PharmAcNews". Pharmacology is one of the cornerstones in health sciences curricula. The subject prompts the educators to rethink and reform effective teaching learning methods for better delivery of content towards productive understanding, and future therapeutics. Here, we present the teaching-learning innovations that we incorporated for our classes. Also, there are excerpts from our yearly webinar PHARMAQUEST, and other activities of the department.

# PHARMAQUEST 2021

Department of Pharmacology & Pharmacovigilance unit: PVP-AMC, Vydehi Institute of Medical Sciences & Research Centre, Bengaluru Welcomes you to

**PHARMAQUEST-2021**  
AUGUST 2<sup>ND</sup> - 5<sup>TH</sup> 2021  
Virtual CME 1.30 to 3.30 pm

**Patron**  
Smt. Kalpaja D.A - Chairperson, Vydehi Group of Institutions

**Organizing Chairman**  
Dr. G. Prabhakar - Dean, VIMS & RC

**Vice Chairman**  
Dr. M. Umamaheswar - Medical Superintendent, VIMS & RC

**Organizing Secretary**  
Dr. Ananya Chakraborty, Professor & HOD

**Organizing Joint Secretaries**  
Dr. Kevin Manohar Sais- Associate Professor  
Dr. Shubhata Swamy - Associate Professor  
Dr. Mehroban, A - Assistant Professor  
Dr. Latha Kamath - Assistant Professor  
Dr. Nishith Sekhar Revappala- Senior Tutor

**Guest Speakers**  
Dr. Anirban Chakraborty, Professor & Director, NUCSER, NITTE  
Dr. Animesh Jain, Professor of Community Medicine, KMC Mangalore  
Dr. Rovin Vincent, Expert Safety Physician, Merck Group  
Dr. Subramanya. N.K, Professor, Department of Paediatrics, VIMS & RC

Pharmaquest aims to provide an insight into the development of a drug from discovery stage to its clinical journey. It will focus on the therapeutic safety issues related to bedside prescription. It will also provide a direction towards dissemination of clinical knowledge and challenges to broader scientific community through medical writing and various publications.

**PROGRAM SCHEDULE**

**DAY 1 (02/08/21): DRUG DEVELOPMENT**

- Welcome address & Introduction - Dr. Ananya Chakraborty
- Zebrafish: an emerging model in preclinical research - Dr. Anirban Chakraborty
- Computation models in research - Dr. Kevin M Sais
- A module to medicine - Dr. Mehroban A

**DAY 2 (03/08/21): DRUG INTERACTIONS**

- Overview on drug interactions - Dr. Ananya Chakraborty
- Case discussions on pharmacokinetic & pharmacodynamic interactions: Dr. Kevin M. Sais, Dr. Shubhata Swamy, Dr. Mehroban, Dr. Nishith R S
- Resources to update on drug interaction: Dr. Latha Kamath
- Conclusion and QA: Dr. Ananya Chakraborty

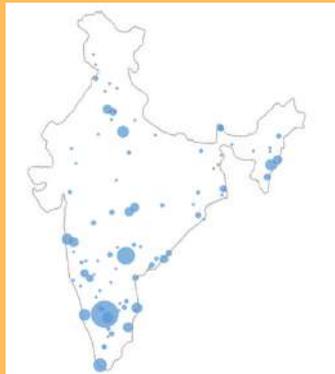
**DAY 3 (04/08/21): PHARMACOVIGILANCE**

- IMA perspective of pharmacovigilance - Dr. Subramanya. N.K
- Resuspended drugs and safety monitoring - Dr. Shubhata Swamy
- Role of adverse drug reaction monitoring centers - Dr. Latha Kamath
- Post-marketing surveillance and pharma industry - Dr. Rovin Vincent

**DAY 4 (05/08/21): MEDICAL WRITING**

- Research idea and execution - Dr. Ananya Chakraborty
- Basics of publications - Dr. Animesh Jain
- Software for reference management - Dr. Nishith R S

The department of Pharmacology, VIMS & RC in association with Adverse Drug Reaction Monitoring Centre (Pharmacovigilance Program of India- AMC), Vydehi Hospital conducted the 4 day long virtual CMEs. The dates were from August 2nd to 5th, 2021. It was conducted between 1.30 and 3.30 pm daily. The program was awarded 3 CME points by Karnataka Medical Council. It was attended by 510 delegates from 90 cities of India that included 132 participants from the host Institution. The event had 4 reputed guest speakers, and one of them was an alumni from undergraduate medical student from 2004 batch of VIMS & RC. Six faculties from department of pharmacology were organizing secretaries and speakers. The topics ranged from preclinical zebra fish model for drug discovery, basics and Pharmacovigilance processes in the industry, clinical pharmacokinetics like drug interactions, and orientation on research and publication writing. All presentations were uploaded to slide share, and made available to the participants and the larger community.



## Highlights & location map

4 days

2 hours daily

3 KMC credit points

510 participants

Representation from 90 cities

## FEEDBACK: SNAPSHOT

02:24:15 Isha Walia: very informative thank you  
02:24:26 Dr. ChandraKala Sharma: It was great for me to be a part of this program. excellent session and very well organized. thank you all

The slides shown were crisp, not too wordy, and I really appreciated the clarity of presentations. Overall, we are learning a lot from these sessions ma'am. 12:07 PM

Certificate received. Thank you so much for academic feast 🙏

Dear sir/madam, I received the e-certificate. I thank the organising team for a wonderful programme.

Dr Prathima

Received certificate. Thanks to the organizers for such a wonderful effort 🙏🙏 11:44 PM

a Sharma: need recorded sessions thanks everyone for such nice sessions please do upload them on YouTube and share the powerpoint presentations do share ppts all session it was a very informative session and

# INNOVATIONS IN TEACHING LEARNING METHODS

## MEMES

Memes are an excellent expression of creativity.  
What did Elon Musk says about meme makers?

" Who controls the memes, controls the Universe"



I just wanted to control the attention of students in a post lunch session. That was the initial reason I started using memes in my slides. Pharmacology being a highly volatile subject; I also wanted students to remember something from my class. What better than offer a good meme bait to them. In the ever dwindling attention span of our young generation; throwing a meme seemed to work. At least, I am thinking it did. There was an atmosphere of elation for many of the memes. Ah and may be some students kind of disliked couple of them. Never mind, whether they liked them or not, they can't ignore the memes nor me!!! Remember meme-makers control the universe according to Elon Musk. I could control the attention of students through memes. That's a great achievement indeed. - Dr Nishith R, Assistant Professor

## ROLE PLAY & PANEL DISCUSSION

We conducted role plays for prescription communication & AETCOM. The 224 students of first CBME batch were divided into 15 groups. They were randomly allotted case scenarios after initial briefing. Each group had to enact roles of a physician, a patient, an attender, and observers. Significantly, 87.73% felt that the sessions aided better understanding of pharmacology concepts. Also, AETCOM role play sessions were concluded by a panel discussion by clinical experts. The doubts of students were cleared regarding communication, & decisions during clinical practice.  
- Dr Meharban A, Assistant Professor



## CONCEPT MAP ON PAPER & A SLIDE

Concept maps are metacognitive tools. These are pictorial representations that encourage students to think reflectively about a topic. I had addressed the second batch CBME students on the topic "Antiplatelet drugs". After the class, we provided chart papers and encouraged students to sum-up the topic. The students volunteered and worked in teams. After that, we also encouraged 1-slider presentations post small group discussions.  
- Dr Ananya Chakraborty, Professor & HOD



## PMED

[Pharmacology Made Easy for Dental]

'Madam pharmacology classifications are too volatile'. 'Is there an easy way to remember the drug classifications?' These are the questions which our students constantly ask us. Pharmacology requires a lot of studying and remembering. So, this year we started a new initiative and conducted a pharmacology mnemonic competition for dental students. The students in 10 groups, prepared & presented mnemonics. They felt that the presentations helped them to look at the drugs from a new perspective, and that classifications could be easily remembered.  
- Dr Latha Kamath, Assistant Professor



## ALUMNI AS FACILITATORS

- Dr Swaroop H.S, senior medical manager, Novonordisk, interacted with students about drug development, & promotional literature.
- Dr Roshlin Jose, project coordinator, UNT Health Sciences Centre, Fort Worth, Texas, USA, interacted about ICMR research projects for undergraduates, & how it helped her in her journey.
- Dr Siddharth A, past undergraduate interacted about his RGUHS research project and grant writing.
- Mr. Sumukh D, recent pass-out from pharmacology, briefed about ways of studying pharmacology.



# ACHIEVEMENTS & ACTIVITIES

## PHARMACOVIGILANCE WEEK

It was celebrated from 17 to 23rd September 2021 on the theme "Pharmacovigilance: a step towards patient safety". We organized awareness sessions for healthcare workers, patients and caregivers; distributed medication cards to patients with chronic diseases. We also held competitions.



## AHS, NURSING & BPT

Allied Health Sciences started in 2004 has grown to include eight B.Sc and three M.Sc courses. In pharmacology, we engage students through group discussions, doubt clearing sessions & mentoring.

- Dr Kevin Monohar Salis, Associate Professor, & Registrar AHS

We engage nursing students through simplified concepts, case scenarios & nursing responsibilities towards medication safety.

- Dr Shubhatara Swamy, Associate Professor

Physiotherapy first batch was introduced to pharmacology concepts on 15th Feb 2022.

- Mrs. Sindhu KC, Sr Tutor

## OTHER ACTIVITIES OF FACULTIES

- P&T committee & NABH medication safety
- Coordination of animal ethics committee

## HONORS & AWARDS

**Dr Ananya Chakraborty**

- 3rd Prize for Poster from Pharmacovigilance Program of India, September 2021
- Best Academician Award from Vydehi Institute of Medical sciences & research center, 2022
- Invited faculty for CME/Webinar/Workshop
  - "Representation and interpretation of meta-analysis and summary of findings" In ICMR ECHO EBM conducted by PGI Chandigarh, September 2021
  - "CBME IN Pharmacology: A roadmap for effective implementation" organized by KS Hegde Medical academy, May 2022
  - "ICMR National ethical guidelines for biomedical and health research" for the EC members of MGMC&H, SMSH & Dental college, Jaipur, May 2022
  - "Medication management: A key to patient safety" organized by SSIMC & JJM, Davangere, July 2022

**Dr Meharban A:** PhD in Pharmacology , Aug 2021

**Dr Latha Kamath:** DNB Pharmacology, Feb 2022

**Dr Sandeep Khot, Postgraduate student:** Industry internship at Novonordisk, Aug 2021

## INDUSTRY COLLABORATION

We conducted a workshop for trainees of Novo nordisk on the theme "Functioning of pharmacovigilance in a hospital set-up." 17 trainees were accompanied by their 3 managers. The session started at hospital lobby. A skit was presented by students from Vydehi Institute of Pharmacy to demonstrate the awareness session on medication safety. It was followed by observation of a simulated case of adverse drug reaction at the department of general medicine. The group then had first-hand experience of uploading reports through software used by Adverse Drug Reaction Monitoring Centre.



## GUEST TALKS



Dr. Durga Prasad Reddy, Professor & HOD of cardiothoracic surgery, addressed about cardiac surgeries

Dr. Vittal Nayak, Professor & HOD of ophthalmology, oriented and encouraged students towards eye donation

## CONFERENCE PRESENTATIONS "ASPIRE"/ iCON & PUBLICATIONS

1. Meharban, Latha, Ananya. Learner's perspective & successful outcomes of roleplay initiatives towards prescription communication by 2nd year students in a medical college in south India"
2. Latha, Nishith, Ananya. Well being & perspective of 2nd MBBS students on online classes held during COVID 19 pandemic in a tertiary care teaching hospital"
3. Latha, Ananya, Meharban. Perception & reflection of AETCOM module by 2nd year MBBS students as a learning tool in the patient autonomy & decision making in a tertiary care teaching hospital"
4. Sandeep & Ananya. Factors effecting glycemic control in participants with T2DM: A Cross-sectional study
5. Chakraborty A, Reval N, Kamath L (February 01, 2022) Adverse Events Following COVID-19 Vaccination in Selected Apartments in Bangalore, India. Cureus 14(2): e21809. doi:10.7759/cureus.21809

# STUDENTS CORNER

## UNIVERSITY RANK & DISTINCTIONS

21% medical undergraduates students of first CBME batch got distinction in Pharmacology  
68% medical undergraduates students of first CBME batch got first class in Pharmacology

10.9% of dental undergraduates got distinction in Pharmacology  
70.9% dental undergraduates got first class in Pharmacology

## PHARMACOVIGILANCE WEEK CELEBRATION

Participation of students

Winner of Essay writing



Student posters



Celebration with Pharmacy students



## ROLE PLAYS FOR PRESCRIPTION COMMUNICATION & AETCOM



## WINNING TEAMS OF PMED 2021 (Pharmacology Made Easy for Dental-2021)



## ACTIVITIES BY POSTGRADUATE STUDENTS



# COMING SOON

## PHARMAQUEST 2022

Department of Pharmacology,  
Vydehi Institute of Medical Sciences & Research Centre, Bengaluru  
Welcomes you to

### PHARMAQUEST

AUGUST 2<sup>ND</sup> - 5<sup>TH</sup> 2022  
Virtual CME 1.30 to 3.30 pm

#### Patron

Smt. Kalpaja D.A - Chairperson, Vydehi Group of Institutions

#### Co Patron

Dr. Mahesh B. Kottapalli – Advisor, VIMS & RC

#### Organizing Chairmen

Dr. G. Prabhakar - Dean, VIMS & RC

Dr. Shreedhar Venkatesh – Principal, VIMS & RC

#### Advisory Committee

Dr. Col. Fiaz Ahmed Sattar - Vice- Principal, VIMS & RC  
Dr. M. Umamaheswar - Medical Superintendent, VIMS & RC  
Dr. Durgaprasad Reddy B – MEC Chairman, VIMS & RC

#### Organizing Secretary

Dr. Ananya Chakraborty, Professor & HOD

#### Organizing Joint Secretaries

Dr. Kevin Manohar Salis- Associate Professor  
Dr. Shubhatara Swamy - Associate Professor  
Dr. Meharban. A - Assistant Professor  
Dr. Latha Kamath - Assistant Professor  
Dr. Nishith Sekhar Revappala- Assistant Professor  
Mrs. Sindhu K C - Senior Tutor

#### Organizing Members

Mrs. Vishakha Khandare, Junior Pharmacovigilance Associate  
Dr. Sandeep Khot, Tutor

Pharmaquest aims to provide an insight into the challenges in conducting preclinical studies. It will focus on the medication safety issues related to bedside prescription. It will also provide a direction towards understanding the role of digital technologies and newer innovations in healthcare.

#### PROGRAM SCHEDULE

##### Day 1 (02/08/22): Preclinical Research

1. CPCSEA Guidelines for preclinical studies: Dr. Srikumar B N, Additional Professor, Department of Neurophysiology, NIMHANS
2. Grant writing for preclinical studies: Dr. Anirban Chakraborty, Professor & Director, NUCSER, NITTE
3. Panel discussion on the challenges in the conduct of preclinical studies: Academia & industry perspective with various stakeholders

##### DAY 2 (03/08/22): Medication Safety

1. Hospital perspectives of medication safety: Dr. Meenakshi Kalyan , Professor, Department of Medicine, VIMS & RC
2. Lab data and signals towards pharmacovigilance: Dr. Arpitha, Associate Manager, Medical Data Review, IQVIA
3. Industry perspective of medication safety: Dr. Akarsh U S, Associate Director in GS-GBS, Novo Nordisk

##### DAY 3 (04/08/22): Innovations in healthcare & Therapeutics

1. Digital healthcare for chronic disease prevention and rehabilitation: Dr. Alben Sigamani, Founding Partner & Chief Scientific Officer, Numen Health
2. Introduction to HEOR: Dr. Amit Dang, Founder & CEO MarksMan HealthCare
3. Regulatory challenges for digital therapeutics: Dr. Girish N, Member secretary, Vydehi institutional ethics committee, Professor of microbiology, VIMS and RC

##### DAY 4 (05/08/2020)

Poster Presentation: Postgraduates / Interns

**TARGET AUDIENCE:** Pharmacologists, interns, postgraduates of medical and allied health sciences, and independent researchers

Registration fee: Rs. 100

Through Google Pay UPI Id: [sandeepkhot90@okhdfcbank](mailto:sandeepkhot90@okhdfcbank)

Please use the same phone number that you will mention in the registration form

The sessions will be conducted online over Zoom platform  
Link will be shared to registered participants 24 hours prior to webinar

Last date of registration: 25/07/2022

For any queries related to registration, please contact:  
Dr. Sandeep - 9999663956

Registration link: <https://forms.gle/dWuMbahL4ZwU6oMn7>

Approved for 3 credit hours by KMC

#### Guidelines for the E-Poster presentation

1. Registration for CME is mandatory for participating in E-poster
2. Single slide E-poster using appropriate font size and colour combination that ensures readability
3. Diagrams, graphs, and tables as appropriate can be included
4. Time allotted – 4 minutes for presentation and 2 minutes for questions
5. Abstracts in structured format (<250 words) needs to be submitted
6. Kindly forward the abstracts to [pharmacologyvydehi@gmail.com](mailto:pharmacologyvydehi@gmail.com) in PDF format on or before 29th July 2022
7. Selected abstracts will be informed via email/ WhatsApp

Last date for Abstract Submission: 29/07/2022

## Location map of participants of PHARMAQUEST 2022 from India

India: 440  
International: 1

