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St. Peter's

Institute of Pharmaceutical Sciences

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Where brilliant minds converge to transform the future of pharmaceutical sciences

Volume 9 Issue 2

SPIPS BULLETIN



**St. Peter's is an Institutional
member of
St. Peter's Operates**





VISION

St.Peter's is committed to generate, disseminate and preserve knowledge and work with pioneers of this knowledge, and to be the most sought after institute globally in the field of pharmaceutical sciences by creating world class pharmacy professionals and researchers.

MISSION

To achieve academic excellence with integrity and creating opportunities for leadership and responsibilities through groundbreaking performance in the field of Pharmaceutical Sciences by educating students with pharmaceutical needs of the society and to advance the knowledge through research and to serve the profession and community.

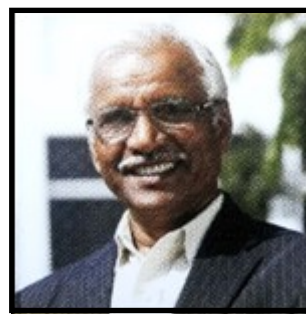


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5. Mundrathi Akila B.Pharm VII sem

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St.Peter's Institute of Pharmaceutical Sciences has organised a webinar on Good Clinical Practices in Clinical Research on 12-07-2021 organised by Convenor Dr. D Praveen ,Asst. Professor and Head, Pharmacy practice. Organizing Secretary Dr. P. Ranadheer Chowdary ,Asst Professor. Organizing Committee Ms. Shivani Ravula, Dr. G. Dharani, Ms. P. Anusha Assistant Professor.

Speakers: Dr M VijeyAanandhi

Professor and Head Dept of Pharmaceutical Chemistry and Analysis, School of Pharmaceutical Sciences Vels Institute of Science Technology and Advanced Studies, Spoke about Roles and Responsibilities of Trial Personnel and Ethics committee in Clinical Trials, Protects the right safety & well being of humans

Dr JithendraChimakurthy,Principal Pharmaceutical Sciences, Vignan's-Foundation for Science, Technology & Research Guntur spoke about Informed Consent Process in Clinical Trials Importance of informed consent,Informed consent form their responsibilities.

Dr.M.G.Rajanandh Assistant Professor Department of Pharmacy Practice ,Sri Ramachandra, Faculty of Pharmacy ,Sri Ramachandra Institute of Higher Education & Research who talked about Good Clinical Practice Guidelines and its importance in clinical trials.





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Quality Management

- ❖ Critical Process and Data identification
- ❖ Risk Identification
- ❖ Risk Evaluation
- ❖ Risk Control
- ❖ Risk Communication
- ❖ Risk Review
- ❖ Risk Reporting

Dr. M. Vijey Aanandhi

Dr. M. Vijey Aanandhi

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13 Principles of Good Clinical Practice

Ethics	Trial Staff
Trial Risk Vs Trial Benefit	Informed consent
Trail Participants	Clinical trial data
Information on Medicinal Product	Confidentiality
Good quality trials	Good Manufacturing Practice
Compliance with the study protocol	Quality Assurance
Medical Decisions	

Dr. D. Praveen

Dr. Jithendra Chimakurthy

3



WEBINAR ON MEDICINAL HERBS-Natural Restorative elements

St. Peter's Institute of Pharmaceutical Sciences has organised a webinar on MEDICINAL HERBS – A NATURAL RESTORATIVE ELEMENTS IN THE HEALTH CARE SYSTEM on 23.07. 2021 organised by Convenor Dr Kanakam Vijaya Bhaskar Assistant Professor, Organizing Secretary, Mrs P Sujatha, Organizing Committee Mr.P.Srinivasa Rao Mrs K Rajamani- Assistant Professor.

Dr Rokeya Sultana

Department of Pharmacognosy and Phytochemistry, Yenepoya Pharmacy College and Research Centre, Spoke about Role of Herbs / Natural Products for Healing Stress and Anxiety during COVID Pandemic Situation.

Dr M Sivakumar

Professor & Head

Faculty of Pharmacy Sree Balaji Medical College and Hospital Campus Bharath Institute of Higher Education and Research (DU), Spoke about Natural Products for a Healthy Immune System

Dr Baba Shankar Rao Garige

Associate Professor and Head

Department of Pharmacognosy and Phytochemistry, School of Pharmacy Anurag University Spoke about Bioactive Natural Products





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WEBINAR ON MEDICINAL HERBS-Natural Restorative elements

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Dr. Rokeya Sultana

Matricaria recutita (chamomile)



- Chamomile is one of the most popular single ingredient of herbal teas, or tisanes. Chamomile tea, brewed from dried flower heads, is used traditionally for several medicinal purposes like gastrointestinal tract ailments.
- Other uses include allergic rhinitis, attention deficit-hyperactivity disorder (ADHD), indigestion, insomnia, rheumatism, neuritis and various skin.
- Chamomile contains flavonoids, which exert benzodiazepine-like activity (Bastiani et al., 2009) and also has a phosphodiesterase inhibitory action, which leads to increased cAMP levels (Kupferschmid and Doi, 1993).
- A recent study evaluated the efficacy of a standardized extract of *Matricaria recutita* (E), compared with placebo for eight weeks in patients with mild to moderate GAD (DSM-IV). There was a statistically significant reduction in the scores of HAM-A in the group treated with extract compared to placebo treated group (Kesteven et al., 2009).

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DR M SIVAKUMAR

Research and Development

- Increase the health value of our diet and improve medical condition of humans.
- May easily be available and economically affordable.
- Avoid the side effects.



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Dr. Baba Shankar Rao Garige

ANURAG UNIVERSITY

Sources of Bioactive Natural products



Higher plants



Tissue culture



Fishes



Animals



Algae



Amphibians



Microorganisms



Lichens



Reptiles



Marine



Bryozoa

Presented by Dr. Baba Shankar Rao Garige

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WEBINAR ON APPROACHES TO CLINICAL PHARMACOKINETICS

St. Peter's Institute of Pharmaceutical Sciences has organised a webinar on Medicinal Herbs – A Natural Restorative Elements In The Health Care System on 27.07. 2021 by Organising committee secretary

Dr. D. Praveen

Asst. Professor and Head,
Pharmacy Practice
Organising committee

Dr. P. Ranadheer Chowdary - Assistant Professor

Dr. G. Dharani - Assistant Professor

Ms. Shivani Ravula - Assistant Professor

Dr. Jagannath Kota

Novartis Healthcare Pvt. Ltd.

Session I : Clinical Pharmacology Profiling in Drug Development

Dr. J. Vijaya Ratna

Professor

AU college of Pharmacy, Andhra University on Clinical Pharmacokinetics as Applied to Geriatric Population

Dr. K. V. R Murthy

Professor

Session III: In Vitro and in Vivo considerations in the dosage form development



Clinical pharmacology – what is in it

- **Clinical Pharmacology**
 - First-in-Human
 - SAD and MAD PK Studies
 - Healthy vs. Patient population
 - ADME (Mass Balance)
- **Specific Populations**
 - Renal Impairment
 - Hepatic Impairment
 - Age, gender, etc.
 - Pediatrics
- **Drug Interactions**
- **Population PK**
- **Biomarkers**
- **Pharmacogenomics**
- **Special Safety (e.g., TQT study)**
- **Exposure-response (PK/PD)**
 - Dose selection and optimization
 - Efficacy vs. Safety
 - Quantitative approaches
 - Clinical trial simulation
 - Disease models
- **Biopharmaceutics**
 - Bioavailability/Bioequivalence (BA/BE)
 - Food Effect
- **In Vitro Studies**
 - Protein Binding
 - Blood to Plasma Partitioning
 - In vitro drug metabolism, transport and drug interactions
- **Biologics**
 - Comparability

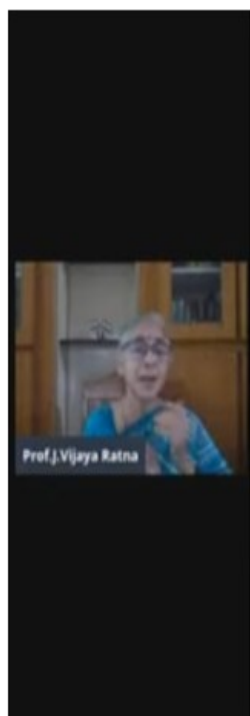
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WEBINAR ON APPROACHES TO CLINICAL PHARMACOKINETICS



Prof. J. Vijaya Ratna

ADVERSE DRUG REACTION RATE

- The rate of ADRs is much higher in the geriatric population in comparison to that of younger adults.
- This is because
 - changes in renal and hepatic function
 - and changes in body composition associated with aging.
 - and polypharmacy.
- Clinically significant changes in metabolism, distribution and excretion occur in the elderly patients.

Prof. J. VIJAYA RATNA

Zoom Meeting | 10:00 AM - 11:00 AM | This Meeting | 10:00 AM



Prof. K.V. RAMANA MURTHY

Prof. K.V. Ramana Murthy

A.U. College of Pharmaceutical Sciences



Biopharmaceutical properties of drug substance to be considered for designing formulations:

Physical properties

- ❖ physical state (melting point)
- ❖ solubility (aqueous, pH solubility profile, intrinsic dissolution)
- ❖ crystal form (polymorph)
- ❖ particle size distribution
- ❖ surface area
- ❖ physical stability (hygroscopicity)



ADVANCES IN DRUG DISCOVERY AND DEVELOPMENT

St. Peter's Institute of Pharmaceutical Sciences has organised a webinar on **Advances in Drug Discovery and Development** on 07.08.2021 organised by **Convenor Dr. Devender Kodati** Associate Professor & Head, Dept. of Pharmacology President, ISPOR-INDIA Telangana Chapter **Organizing Committee Mr. G. Santosh, Mrs. P. Anusha** Assistant Professor

SPEAKERS

Dr Kumar VS Nemmani

Director, Shri Vishnu College of Pharmacy, Bhemavaram, AP. Spoke about Pharmacological Screening in Drug Discovery

Dr Goutham Atla

Scientific Investigator, R&D –Human Genetics, GlaxoSmithKline (GSK), London, UK. Spoke about Human Genetics and Drug Discovery

Dr Raghavender Pottabathini

Lead Researcher, Medical Affairs, Strides Arcolab, Bengaluru. Spoke about Bioequivalence Studies in Drug Development.





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WEBINAR ON ADVANCES IN DRUG DISCOVERY AND DEVELOPMENT

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Drug Discovery: Stages and Steps

VISHNU

Dr. Kumar V.S. Nemmani

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Human Genome Project 20th anniversary

~3 billion nucleotides
23 pairs of chromosomes
>20,000 genes
>100,000 proteins
>1,000,000 regulators

Goutham Attla



ROLE OF PHARMACIST IN MANAGEMENT OF NON COMMUNICABLE DISEASES

St. Peter's Institute of Pharmaceutical sciences has organised a webinar on Management Of Non Communicable Diseases- A Clinical Pharmacist's Perspective on 12.08.2021. Organised by Convenor Dr. D. Praveen Asst Professor and Head Pharmacy Practice Dr. P. Ranadheer Chowdary Assistant Professor Pharmacy Practice

Organizing Committee Ms. N. Manusri ,Dr. A. Rajendra Prasad Assistant Professor.

SPEAKERS:

1. Dr.T.M.Vijayakumar

Associate Professor and Head, Department of Pharmacy Practice, SRM

Institute of Science and Technology. Spoke about Impact of Clinical Pharmacist Interventions on Therapeutic outcomes in non-communicable diseases.

2. Dr. Krishna Undela Spoke about Clinical Pharmacist lead Antimicrobial Stewardship: How successful it is in Developed Countries.

3. Dr. V. Rajalakshimi, Assistant Professor, Department of Pharmacology, Spoke about Pharmacists Role in combating Asthma and COPD in the Community.





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ROLE OF PHARMACIST IN MANAGEMENT OF NON COMMUNICABLE DISEASES

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Dr Vijayakumar TM

Table 3
Suggestions provided by the intervening pharmacist.

Sl. no.	Suggestions provided	Number (N) (n=189)
1	Consultation of drug	58 (30.69)
2	Addition of drug	29 (15.35)
3	Change in drug dose	37 (19.57)
4	Change in duration of therapy	10 (5.29)
5	Change in frequency of administration	6 (3.17)
6	Substitution of drug	23 (12.18)
7	Change in cost of therapy	3 (1.58)
8	Change in route of administration	7 (3.70)
9	Change in dosage form	2 (1.05)
10	Pharmaceutical aid	2 (1.05)
11	Others	17 (8.99)

* Need for lab. investigations (n=4), need for patient counseling (n=6)

Table 5
Results of clinical pharmacist recommendations.

Recommendations	Result (N) (n=189)
Suggestions accepted and therapy changed	110 (58.20)
Suggestions accepted but drug therapy not changed	71 (37.56)
Neither suggestion accepted nor therapy changed	8 (4.23)

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Krishna Undela

Mrs. Manusri Naredla

Dr P Ranadheer Chowdary

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Dr P Ranadheer Chowdary

Dr.A.Rajendraprasad

Dr. Rajalakshimi Vasudevan



INSOLUBLE DRUGS: DRUG DELIVERY CHALLENGES AND ADVANCES IN BIOAVAILABILITY

St. Peter's Institute of Pharmaceutical Sciences has organised a webinar on INSOLUBLE DRUGS -DRUG DELIVERY CHALLENGES AND ADVANCES IN BIOAVAILABILITY ENHANCEMENT TECHNIQUES on 17.08.2021 organised by Convenor Dr.Rajeshri Dhurke Associate Professor, Head, Dept. of Pharmaceutics Organizing committee. Dr. M. Kalpana,Mr. G. Sandeep,Ms. N. Manusri Assistant Professor

SPEAKERS :Dr.Kashinath Dhurke, Associate Professor, National Institute of Technology, Warangal spoke about Liquisolid technique: Application in Pharmaceutics

Dr. Suresh Bandari

Faculty and Coordinator of Continuing Education Course The University of Mississippi-School of Pharmacy Oxford, MS, USA. Spoke about Hot Melt Technology Extrusion: An Emerging Alternative Technology for the pharmaceutical Industry

Dr.Prabha Singh

Associate Professor, SVKM's Dr.Bhanuben Nanavati College of Pharmacy, Mumbai, Maharashtra. spoke about Nano lipid composites: A promising approach to improve bioavailability of lipophilic drugs





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INSOLUBLE DRUGS: DRUG DELIVERY CHALLENGES AND ADVANCES IN BIOAVAILABILITY

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Modern Approaches for Improving Bioavailability of Drugs



by
Dr. Dhurke Kashinath
Associate Professor
Department of Chemistry
National Institute of Technology Warangal-506 004
E-mail: Kashinath@nitw.ac.in

National Seminar
on
Insoluble Drugs: Drug Delivery Challenges and Advances in Bioavailability Enhancement Techniques
St. Peter's Institute of Pharmaceutical Sciences, Vidya Nagar, Hanamkonda
Hanamkonda (Dist), TS
August 17, 2021

Dr. Kashinath

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THE UNIVERSITY OF MISSISSIPPI
School of Pharmacy



Hot-Melt Extrusion: An emerging alternative technology for the Pharmaceutical Industry



Dr. Suresh Bandari
Research Scientist
Department Pharmaceutics and Drug Delivery
University of Mississippi
Oxford, Mississippi

8/17/2021

Ole Miss

Dr. Rajeshri Dhurke

Suresh Bandari



NOVEL PERSPECTIVES AND REGULATIONS IN DRUG DELIVERY

St. Peter's Institute of Pharmaceutical Sciences has organised a webinar on Novel Perspectives and Regulations in Drug Delivery on 04.09.2021

Organized by Convenor Dr. K. Kalpana Madikattu

Assistant Professor, Dept of Pharmaceutics

Organizing Secretary: Dr. Rajeshri Dhurke Associate Professor, HOD Dept of Pharmaceutics

Organizing Committee: Mr. P. Srinivas Rao,

Mrs. N. Manusri

SPEAKERS:

Dr. Vinod K.R

Principal, Sanjo College of Pharmaceutical Sciences, Kerala

Spoke on Development of Topical Nano Formulation Intended For Vitiligo

Dr. GSN Koteswara Rao

Vice Principal and Professor, HOD Pharmaceutics

KL College of Pharmacy, KL University.

talked about Formulation Strategies for Controlled Drug Delivery- A Novel Perspective

Mrs. K. Manasa

Assistant Drug Inspector,

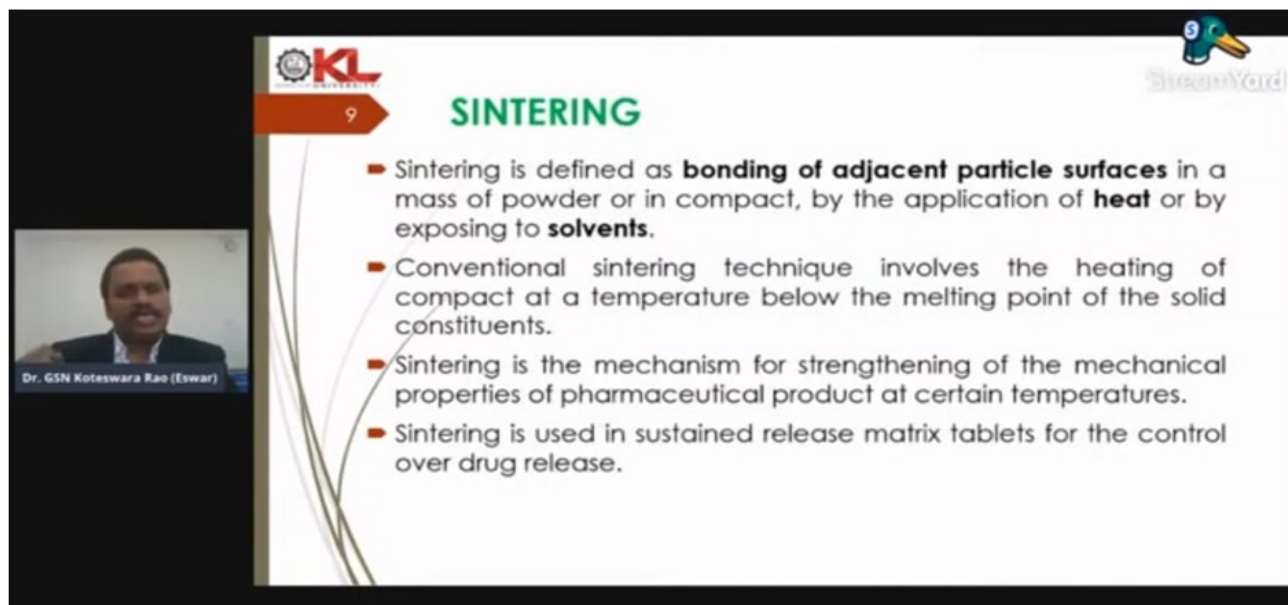
CDSCO, New Delhi

gave a talk on overview of Drugs And Cosmetics Act and Rules



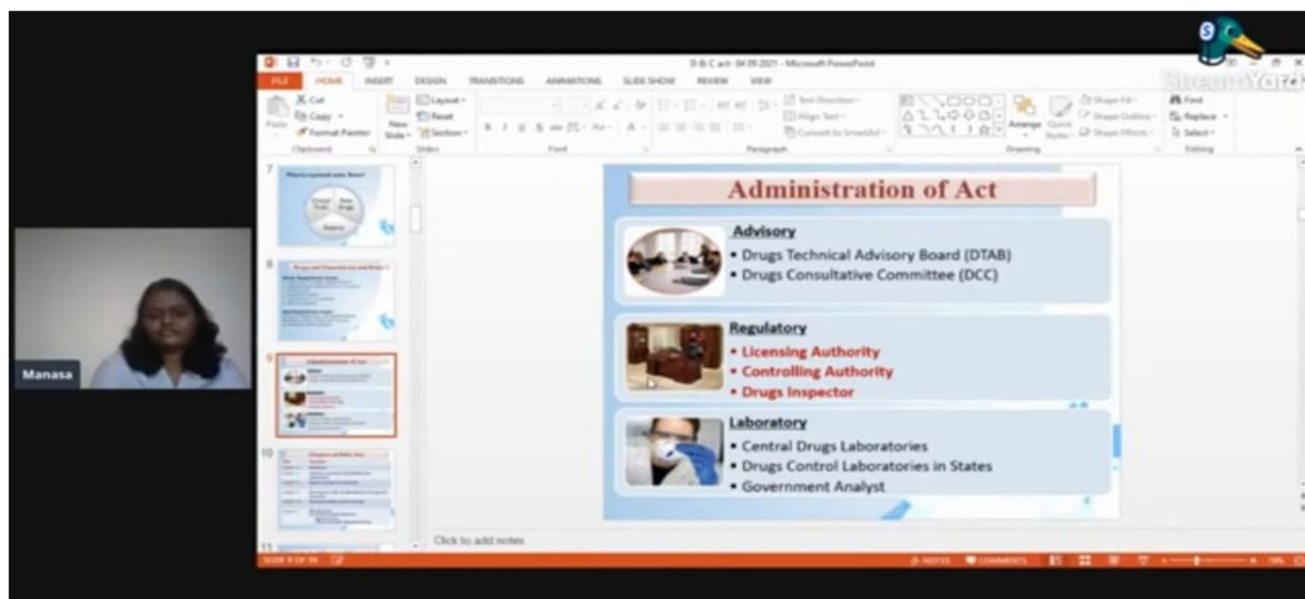


NOVEL PERSPECTIVES AND REGULATIONS IN DRUG DELIVERY



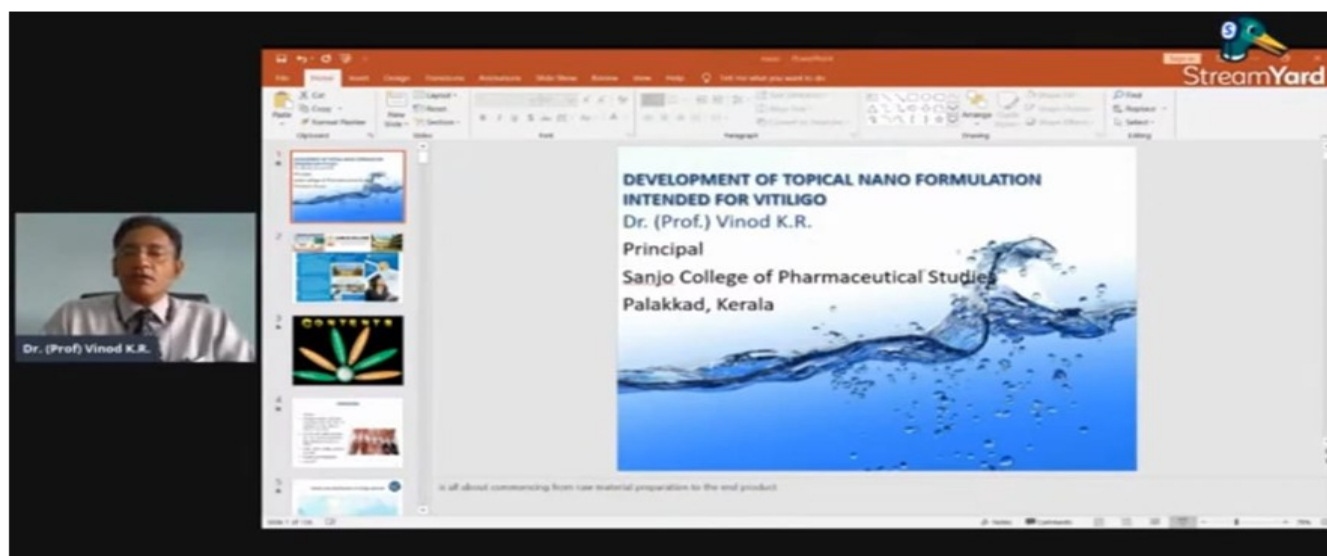
SINTERING

- Sintering is defined as **bonding of adjacent particle surfaces** in a mass of powder or in compact, by the application of **heat** or by exposing to **solvents**.
- Conventional sintering technique involves the heating of compact at a temperature below the melting point of the solid constituents.
- Sintering is the mechanism for strengthening of the mechanical properties of pharmaceutical product at certain temperatures.
- Sintering is used in sustained release matrix tablets for the control over drug release.



Administration of Act

- Advisory**
 - Drugs Technical Advisory Board (DTAB)
 - Drugs Consultative Committee (DCC)
- Regulatory**
 - Licensing Authority
 - Controlling Authority
 - Drugs Inspector
- Laboratory**
 - Central Drugs Laboratories
 - Drugs Control Laboratories in States
 - Government Analyst



**DEVELOPMENT OF TOPICAL NANO FORMULATION
INTENDED FOR VITILIGO**

Dr. (Prof.) Vinod K.R.
Principal
Sanjo College of Pharmaceutical Studies
Palakkad, Kerala

is all about commencing from raw material preparation to the end product



PHARMACOVIGILANCE AND DRUG SAFETY

St. Peter's Institute of Pharmaceutical Sciences has organised a webinar on Pharmacovigilance And Drug Safety: Academia Industry Practices on 05.09.2021 organised by Convenor Dr.D.Praveen-Asst Professor & Head, Pharmacy Practice Organizing Secretary Dr.P. Ranadheer Chowdary-Assistant Professor

Organizing Committee and Alumni Association Members Mrs.Manusri Naredla, Ms.Shivani Ravula, Dr. G.Dharani, Assistant Professor.

SPEAKERS:

Dr.Navya Beemarthi

Drug Safety Associate

Cognizant Technology Solutions Hyderabad spoke about Introduction and Evolution of Pharmacovigilance

Dr. Sowmya Tirumala

Drug Safety Associate

Bioclinica Drug Safety Solutions

Mysuru, talked about Individual Case Safety Reports

SAMEERA

Sr .Executive - Pharmacovigilance Clinchoice Private Ltd , gave a talk on Pharmacovigilance Basic Concepts-ADR reporting form, Causality Assessment.

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International Response to Disasters

- As a means of pooling existing data on ADRs, WHO's Programme for International Drug Monitoring was started in 1968, post the Thalidomide disaster.
- Initially a pilot project in 10 countries with established national reporting systems for ADRs, the network has since expanded significantly as more countries worldwide, developed national Pharmacovigilance centers for the recording of ADRs.
- Currently, 86+ countries participate in the programme, which is coordinated by WHO, together with its collaborating center in Uppsala, Sweden.
- The collaborating center is responsible for maintaining the global ADR database, Vigibase.

Navya Beemarthi

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PHARMACOVIGILANCE AND DRUG SAFETY

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Literature Reports

- The medical literature is a significant source of information for the monitoring of the safety profile and of the risk-benefit balance of medicinal products, particularly in relation to the detection of new safety signals or emerging safety issues.
- Review, abstracts, meetings, draft manuscripts qualify for being ICSR if have suspected adverse reactions.
- If multiple medicinal products are mentioned in the publication, only those which are identified by the publication's author(s) as having at least a possible causal relationship with the suspected adverse reaction should be considered for literature review by the concerned MAHs.

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Sowmya Tirumala

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Click to add notes

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Remarks Comment

60%

Therapeutic effects

Can cause

Adverse reactions in patient

Continuous monitoring

PV Department

Involved in

Research Phase

Market Phase

Collecting

ICSR

Sameera



ROLE OF PHARMACIST IN MANAGEMENT OF AUTO IMMUNE DISEASES

St.Peter's Institute of Pharmaceutical Sciences has organised a webinar on Role Of Clinical Pharmacist In The Management Of Autoimmune Diseases on 13.09.2021 organised by Convenor Ms. Shivani Ravula-Assistant Professor. Dr.D.Praveen-Asst Professor and Head Pharmacy Practice. Dr. P. Ranadheer Chowdary, Dr. G. Dharani- Assistant Professor.

SPEAKERS:

1. Manasaveena Valupadasu

Pharmacist

D'offay Pharmacy Seychelles.

Session 1- Overview of Autoimmune Disorders and the Impact of Pharmacist Care.

2. Shyli makula

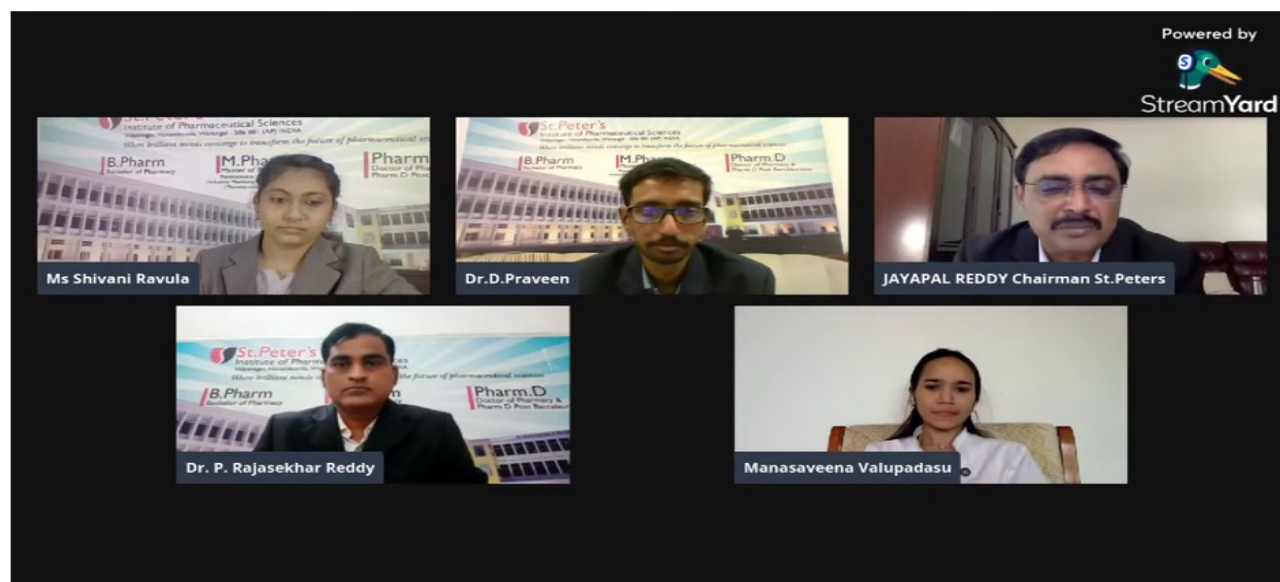
Pharmacist North Carolina, USA

Session 2- Role of Clinical Pharmacist in Type 1 Diabetes Management.

3. Dr S Sarumathy

Associate Professor SRM College of Pharmacy Chennai

Session 3- Role of Clinical Pharmacist in Rheumatoid Arthritis Management.





ROLE OF PHARMACIST IN MANAGEMENT OF AUTO IMMUNE DISEASES

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2. AUTO IMMUNITY

➤ The immune system mistakenly targets healthy cells, rather than foreign pathogens or faulty cells. In this scenario, they cannot distinguish self from non-self.

The diagram consists of three ovals arranged horizontally. The leftmost oval is red and labeled 'HIGH LEVEL AUTO IMMUNITY'. The middle oval is blue and labeled 'AUTO IMMUNITY'. The rightmost oval is yellow and labeled 'LOW LEVEL AUTO IMMUNITY'. Arrows point from the red oval to the blue oval, and from the blue oval to the yellow oval.

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Diabetes

Diabetes is a chronic, metabolic disease characterized by elevated levels of blood glucose (or blood sugar), which leads over time to serious damage to the heart, blood vessels, eyes, kidneys and nerves.

Type 1 Diabetes :

Once known as juvenile diabetes or insulin-dependent diabetes, it is a chronic condition in which the pancreas produces little or no insulin by itself.

Type 2 Diabetes:

Type 2 diabetes, usually seen in adults, which occurs when the body becomes resistant to insulin or doesn't make enough insulin.

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Healthy Joint Vs RA Affected Joint

The image shows two diagrams of a knee joint. The left diagram, labeled 'Healthy joint', shows a normal joint with labels for 'Cartilage', 'Meniscus', and 'Reduced joint space'. The right diagram, labeled 'Rheumatoid arthritis', shows a joint with significant damage. Labels include 'Bone erosion', 'Swollen inflamed synovial membrane', 'Cartilage wears away', and 'Reduced joint space'. The RA joint is depicted with a red, inflamed appearance.

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Medication Errors and Pharmaceutical Care

St. Peter's Institute of Pharmaceutical sciences has organised a webinar on Overview Of Pharmaceutical Care Concepts And Medication Errors on 15.09.2021. Organised by Convenor Dr.G. Dharani, Mrs.P.Anusha, Dr. D.Praveen Asst Professor and Head Pharmacy Practice Ms.Shivani Ravula- Asst Professor

SPEAKERS:

Dr. P. Lakshmi(Ex director, Drug information center, Karnataka State Pharmacy Council, Bangalore) Prof.& Head, Department of Pharmacy Practice.Spoke about Medication Dispensing Errors- Pharmacist Perspectives.

Dr. K.S. Arun Kumar

Pharm.D.,Ph.D Faculty, A.U.College of Pharmaceutical Sciences, Andhra University, Visakhapatnam, A.P. talked about Preventive Steps to Reduce Medication Errors: Role of Clinical Pharmacist.

Dr. Avinash Khadela

Assistant Professor Department of Pharmacology & Pharmacy Practice, Maliba Pharmacy College, UkaT arsadia University. Spoke about Medication Errors: Humanistic & Economic Impact.

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Prof.Dr.P.K.Lakshmi GPRCP

Study: An Observational Study to Evaluate The Factors which Influence The Dispensing Errors in The Hospital Pharmacy of A Tertiary Care Hospital

Outcomes

- Stage of the dispensing process where the **maximum numbers of dispensing errors** occurred was at the **filling stage**
- Maximum number of errors occurred in the **in-patient pharmacy**
- Different types of dispensing errors observed were
 - **wrong patient / Identical name of patients**
 - **Identical package**
 - **Identical name of drugs**
 - **Wrong dosage forms**
 - **wrong strength**
 - **wrong time**
 - **drug omission**

DrLakshmi GPRCP Sep 2021 September 15, 2021 14



Medication Errors and Pharmaceutical CARE

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Medication Errors-Introduction

Definition:

The United States National Coordinating Council for Medication Error Reporting and Prevention defines a medication error as:

"any preventable event that may cause or lead to inappropriate medication use or patient harm while the medication is in the control of the health care professional, patient, or consumer"

Dr.K.S.Arun Kumar

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5 CLASSIFICATION

The American Society of Health Systems pharmacist (ASHP) define the following categories for medication errors:

- Prescribing errors
- Wrong time errors
- Improper dose errors
- Wrong administration or technique errors
- Monitoring errors
- Compliance errors
- Omission errors
- Unauthorized drug errors
- Wrong dosage errors
- Wrong drug preparation errors
- Deteriorated drug errors

Dr. Avinash Khadela

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Dr.G.Dharani

Prof.Dr.P.K.Lakshmi GPRCP

Dr. P. Rajasekhar Reddy

Jayapal Reddy, Chairman St.Peter's

Dr.D.Praveen



ROLE OF PHARMACIST IN MANAGEMENT OF INFECTIOUS DISEASES

St. Peter's Institute of Pharmaceutical Sciences has organized a webinar on EMERGING INFECTIOUS DISEASES MANAGEMENT- PHARMACIST'S perspective on 18.09.2021 organized by Convenor Dr.D.Praveen Asst Professor & Head, Pharmacy Practice. Organizing Secretary

Dr.P. Ranadheer Chowdary

Mrs.Manusri Naredla Assistant Professor

Dr.G.Dharani Assistant Professor

Ms Shivani Ravula Assistant Professor

Speakers:

1. Dr Sabeena Hussain Syed Asst Professor & HOD

Pharmacognosy GenbaSopanrao Moze College of Pharmacy Pune, Maharashtra

Session: Natural products in the management of emerging infectious diseases.

2. Dr M Prajwala Clinical Pharmacist Quality Assurance Vijaya Diagnostic Centre, Hyderabad

Session: Antimicrobial resistance.

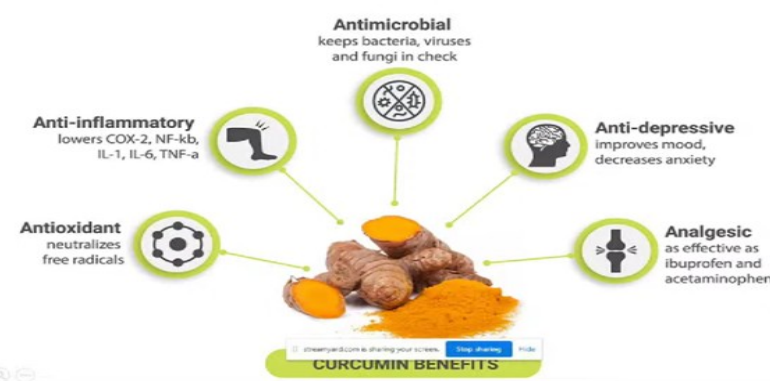
3. Dr Mriganka Pal Aggregate Reports Analyst

Pfizer India Pvt Ltd Chennai

Session: Role of pharmacists In Infectious disease management.

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ADVANTAGE OF NATURAL PRODUCTS OVER CONVENTIONAL DRUGS



- Antimicrobial**
keeps bacteria, viruses and fungi in check
- Anti-inflammatory**
lowers COX-2, NF-kb, IL-1, IL-6, TNF-a
- Antioxidant**
neutralizes free radicals
- Anti-depressive**
improves mood, decreases anxiety
- Analgesic**
as effective as ibuprofen and acetaminophen

CURCUMIN BENEFITS

Dr Sabeena Hussain Syed



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ROLE OF PHARMACIST IN MANAGEMENT OF INFECTIOUS DISEASES





Dr. Mriganka Pal

WHY AN INFECTIOUS DISEASE PHARMACIST?

- ❑ Clinical pharmacist can provide the physician's necessary inputs pertaining to the selection of drugs, which would ultimately improve clinical outcomes, reduce toxicity, maintain costs and would preserve the antimicrobial potential of the antimicrobials.
- ❑ This is one of the many reason to apply the clinical pharmacist competence in patient medical team.

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Dr. Prajwala

Cont..

Mangalore (2010) Sikkim (2011) Tertiary trauma center of AIIMS, New Delhi (2011)	180 clinical samples 291 clinical specimens 196 carrier screening nasal samples 3,984 clinical specimens Gram Negative <i>Pseudomonas Acinetobacter</i> <i>Klebsiella E. coli Enterobacter</i> spp. Gram positive <i>S.aureus</i> Coagulase negative staphylococci	Enterococcal strains MRSA Overall resistance of gram negative organisms were 50 against carbapenems, 65 aminoglycosides, 76 Fluoroquinolones, 88 third generation cephalosporins, 65 beta lactam-beta lactamase inhibitor combinations 58 methicillin resistant 85 methicillin resistant
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VIRTUAL WORKSHOP ON PHARMACOVIGILANCE

The ADR monitoring centre of St Peter's Institute of Pharmaceutical Sciences organized a virtual workshop on Pharmacovigilance and Drug Safety.

Ms Sravani spoke about the importance of ADR monitoring and Dr.Srinivas explained the ADR forms. All Pharm D and B.Pharm students attended the event.

**St. Peter's Institute of
Pharmaceutical
Sciences**

 **22.09.2021
2PM IST** 



National Pharmacovigilance
Week 2021

**Virtual Workshop on
Pharmacovigilance and
Drug Safety**



01 Ms Sravani Marpaka
Sr.Pharmacovigilance Associate/
Research Scientist
AMC- Osmania Medical College
PvPI - IPC

02 Dr Srinivas Velupula
Pharmacovigilance Associate
Department of Pharmacology
Kakatiya Medical College,
MGM Hospital Warangal

**St.Peter's ADR Monitoring
Centre**



Organizing Team
Chairman
Sri T. Jayapal Reddy

LOC-Chair
Dr. Rajasekhar Poonuru
Principal

Convenor
Dr. D.Praveen
Asst Professor & Head,
Pharmacy Practice
Co-ordinator AMC

Dr.P. Ranadheer Chowdary
Assistant Professor
Deputy Co-ordinator AMC

Organizing Secretary
Dr.G.Dharani
Assistant Professor

Ms.Shivani Ravula
Assistant Professor

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WORLD PHARMACIST DAY- ORAL PRESENTATIONS

St.Peters has organised oral presentation competition on the eve of World Pharmacist day on 25th September 2021 around 30 students were participated and delivered presentation on topic “Pharmacist-transforming global health” cash of Rs 5000/- was given to the winners.

The winners of the session are

- 1.Sameeksha Pulijala
2. Pragna Kranthy
- 3.Sri Vinya Mamde
4. Fiza Ruba(Special Appreciation)

St. Peter's Institute of Pharmaceutical Sciences

Oral Presentation Competition

Theme: Pharmacy: Always trusted for your health

WORLD 25 SEPTEMBER PHARMACISTS DAY

Topic of the Presentation

1. Pharmacist – Transforming Global Health

Guidelines

1. All Registered Students must make a PPT presentation of not more than 12 slides
2. Preliminary round will be held on 23.09.2021
3. Each Presentation will be permitted for 8 minutes + 2 minutes for interaction session
4. The Top 8 students will be selected for final round which will be held on 25.09.2021
5. The winner will receive a cash prize of Rs.5000
6. All registered students presenting on preliminary round will get e-certificates.

5000/-
Cash Prize

For Registration
<https://docs.google.com/forms/d/e/1FAIpQLSe18uCGCV7-E89Z8ImYA-aI2YN-fsXoYT-UVhVGc9M32F0TaA/viewform>

PHARMACY
Always trusted for your health

WORLD 25 SEPTEMBER PHARMACISTS DAY

fip



St.Peters has organised rally on the eve of National Pharmacy week celebrations on 24th November 2021 on theme Pharmacists: An Integral part of health care. Dr.J.Sudhakar Reddy, pediatrician, Medical superintendent, Rohini Super Speciality Hospital, Hanamkonda, Warangal has Inagurated the event. Students conducted the rally from collector office to college with various Pharmacy slogans and made the event successful.





St.Peters has conducted poster presentations on the eve of National Pharmacy week celebrations on 27th November 2021.

Prizes awarded

1st prize-kaktiki reddy sriteja on topic Pharmacogenomics: Precision Medicine and Drug Response

2nd prize- Thallapally Smigdha: TPA In Brain Stroke

3rd prize- 1.Rhumana Tazneen- Microbubbles and ultrasound In





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INTERNATIONAL PHARMACY WEEK CELEBRATIONS





FAREWELL PARTY

A memorable date was seized in frame on 20th December 2021 FAREWELL was organized by batch XANTHRONS [2018-2022] to outgoing batch EXOTICIANS [2017-2021]. Program was started by lighting of lamp followed by devotional song then our seniors shared their journey. Then our Chairman Sri.T.Jaypal Reddy and Principal Dr.P.Rajasekhar addressed the event and wished everyone a great success ahead. Some of students had shared their beautiful journey of 4 yrs with everyone. At the end of event hand prints of outgoing batch were collected.





FAREWELL PARTY





POSTER PRESENTATIONS

St.Peters has conducted poster presentations for final year students on 23rd December 2021.

NAME	TOPIC
Sathvika Chintakuntla	Repurposed drugs
Rafeequnnisa	Shifting towards patient centric health care
Reethika Bharatha	Cross-Talk between Mechanosensitive Ion Channels & Calcium Regulatory Proteins in Cardiovascular Health & Disease
G Shiva	ABC Proteins
MaduriAkhila	Tack endovascular system
Sukanya Induri	Neonatal abstinence syndrome
Niveditha	Migrane
Sairi. Madhwika	Paroxymal nocturnal haemoglobinuria
N.Tejasree	Cryotherapy
NandamVishnu-priya	Water birth
Sangeetha Enumula	Radio frequency against ageing skin
ShravyaVemuganti	Role of Micronutrients in respiratory tract



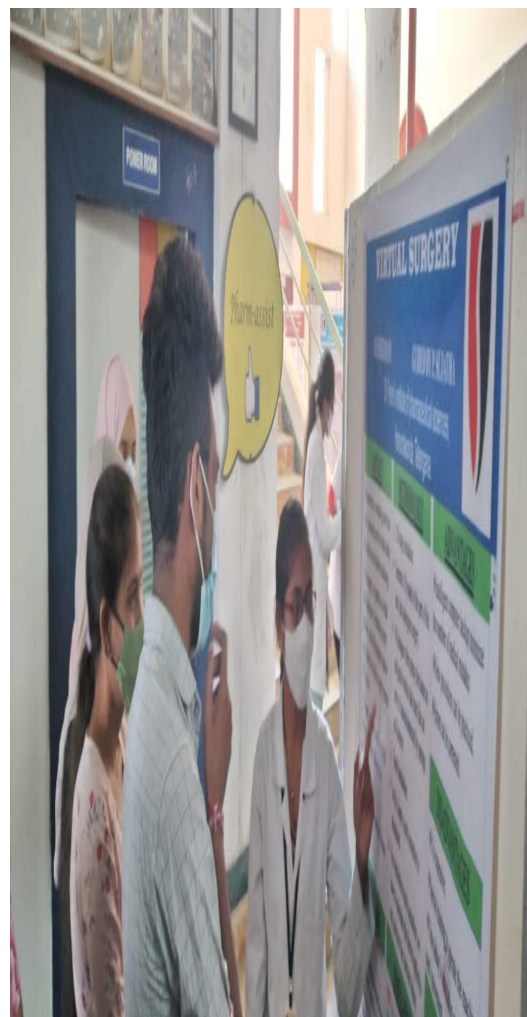
POSTER PRESENTATIONS

<u>DivyaKandikonda</u>	<u>Sucide Gene Therapy For Cancer Treatment</u>
<u>Bhavani Tanuku</u>	<u>Glycine Role in Covid 19</u>
<u>Sharanayakodam</u>	<u>Autism</u>
<u>S.Akshitha</u>	<u>Multiple Sclerosis and and its therapy</u>
<u>Harshitha .P</u>	<u>Non-Invasive Prenatal DNA Test</u>
<u>NagaraniRavula</u>	<u>Micro-RNA in detecting Lung Cancer</u>
<u>Esther Rani Maggidi</u>	<u>Virtual Surgery</u>
<u>Meghana Kotini</u>	<u>Taupathies – Deciphering Disease Mechanism</u>
<u>Amena Mahveen</u>	<u>Duros Technology</u>
<u>V.Gouthami</u>	<u>Oral cancer</u>
<u>M.Nagarekha</u>	<u>Sensor diagnostics to detect diseases early</u>
<u>Y.Sushmitha</u>	<u>Blood Brone Pathogen</u>
<u>Gouhar Fathima</u>	<u>Cell-selex Technology</u>
<u>Vemula vamshikiran</u>	<u>Water therapy</u>
<u>Gouhar Fathima</u>	<u>CELL-SELEX Technology</u>

<u>Sai Sanjana Sri Namthebad</u>	<u>Intra Uterine Devices</u>
<u>Jinu Jose</u>	<u>Drug eluting implants</u>
<u>M.Akhila</u>	<u>Tula System</u>
<u>SravvaTalakoti</u>	<u>Ajinomoto</u>
<u>Ayesha siddiqua</u>	<u>Know your plastics</u>
<u>SpoorthyPanuganti</u>	<u>Microelectronicspill</u>
<u>M.Harika</u>	<u>Dual Energy X-ray</u>
<u>Chandragiri Pranavi</u>	<u>Bimatoprost Ocular Insert</u>
<u>P.Chandana</u>	<u>Power Blending</u>
<u>Sowmya V</u>	<u>Smart insuline patch</u>
<u>Mohammed Anjum</u>	<u>CRISPER Technology</u>
<u>Lavanya Nerella</u>	<u>Varicose veins</u>
<u>KilariSathwika</u>	<u>PCOS</u>
<u>SravanthiPadidela</u>	<u>Brain Gate Technology</u>
<u>Pindi Meghana</u>	<u>Adenovirus as varicose Veins</u>
<u>Snigdha Gudavalli</u>	<u>C-Pathway</u> <u>-Bridging CROs &Clinical Trials</u>
<u>SravuPabba</u>	<u>Genomics in Bioinformatics</u>
<u>K.Sai Sujith</u>	<u>Cytokine storm</u>
<u>Vamshi Kiran Vemula</u>	<u>Water Therapy</u>
<u>Ameeksha</u>	<u>Sedentary lifestyle</u>
<u>B.Tejomayi</u>	<u>Artificial intelligence in health</u>



POSTER PRESENTATIONS





ORAL PRESENTATIONS

St.Peter's Institute has organized oral presentations for Students of pharm-D VI Year new Technology's on December 29th 2021 topics given to students were:

1. Ms Pragna Kranthy - Gene therapy for haemoglobinopathies and CTNNB1 gene mutations
2. Ms Sri Vinya Manda - Virtual Clinical Trials
3. Ms Bonagiri Meghana on Pharma Industry- Astra Zeneca Pharma





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We are St. Peter's.



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