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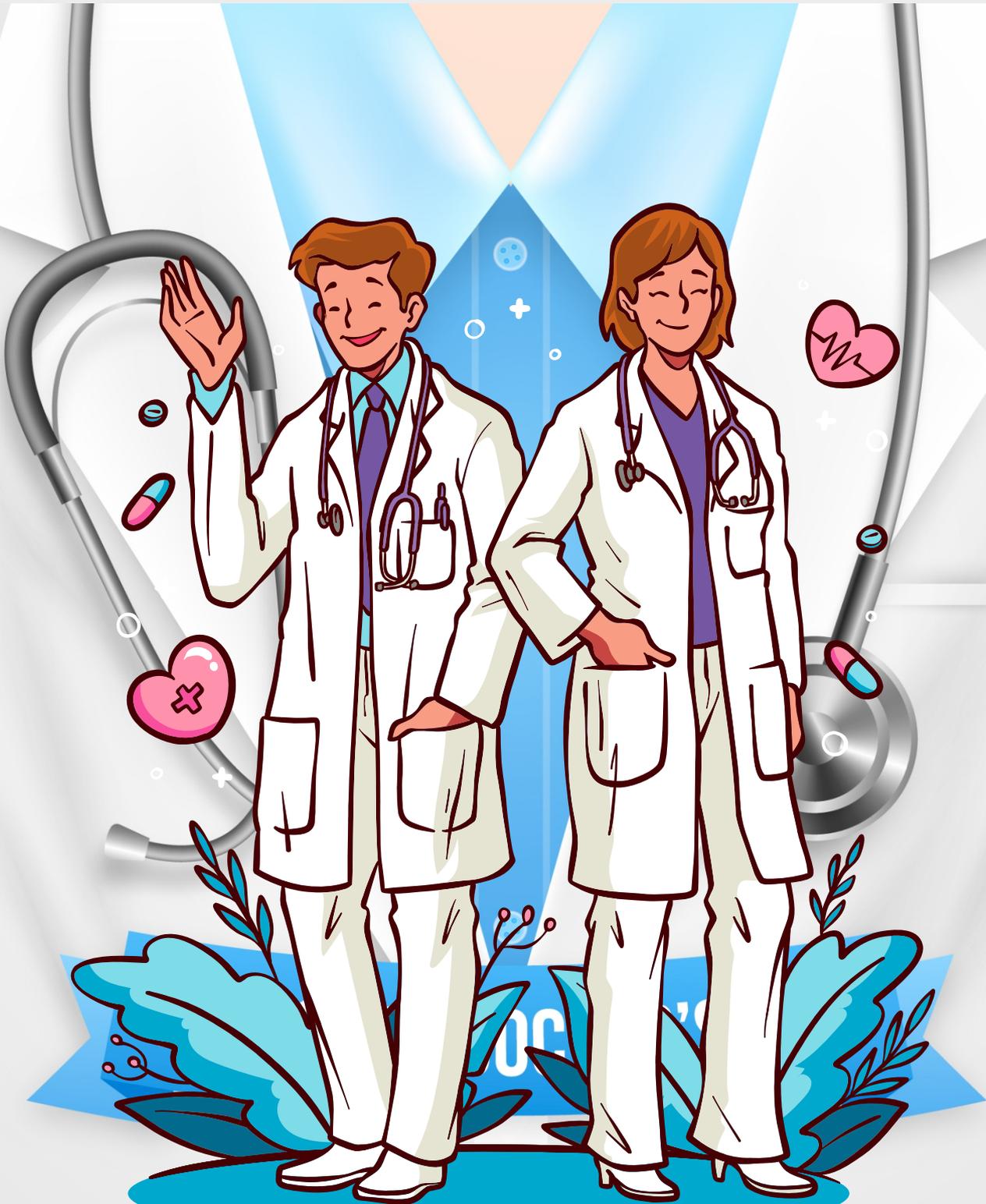
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iPHEx
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ಬೋಲಿವಲ, ಮುಂಬೈ



INSPIRATIONAL
PHARMACIST

Dr C.V.S. Subrahmanyam

ICONIC PHARMACY TEACHER

Kiran Naidu D.

Karnataka State Pharmacy Council

ELECTION 2023

Dr. Kaushik Devaraju M Pharm PhD

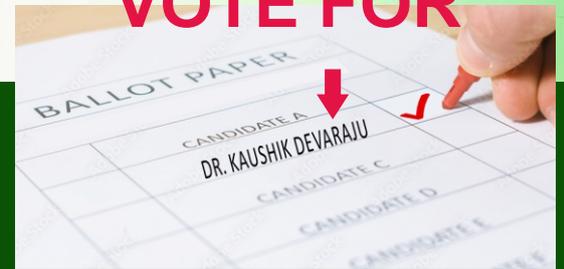
Pharmacist organizations require hard working, smart and visionary leadership. I confidently represent such champion leadership. I have honed my leadership skills by starting the organization: Karnataka Regd. Pharmacists Association (KRPA), that is now a bellwether pharmacist body that strives to provide progressive inputs including through webinars, Youtube videos, Sport events, lobbying, live events, and the monthly KRPA e-bulletin. Thus, I am achieving and contributing to noble profession of pharmacy through team play and effective leadership.

I have completed my M Pharm (Regulatory Affairs) and PhD in pharmacy and thus appropriately qualified to provide energetic and youthful leadership with a dash of humility.

Achievements:

1. Got Elected as President for 2 terms for Karnataka Registered Pharmacist Association at 2016 and 2019
2. Selected among Top 100 Young Leader from Karnataka and participated in Lead Prayana organised by Deshpande foundation for 14 day in 2016-2017.
3. Got Selected to Grand Finale of Smart India Hackathon which was held on 2nd & 3rd 2019 at Hyderabad
4. Founder and CEO of TUVVIE  Tuvvie®
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5. Under his leadership Karnataka Registered Pharmacists Association has got Swachhta Saarthi fellowship 2021-2022 from INVEST INDIA, Office of the Principal Scientific Advisor to government of India.
6. Winner of Amritha Startups Award 2021 & Runner up of Startup Karnataka Elevate 2021
7. Advisory Member of Vidyakula International School

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Importance of expo

Expo refers to a large international exhibition. Expos are zones where international buyers and sellers meet up; one gets a microcosm of the industry. A famous expo of pharmaceutical sector is CPHI (Convention on Pharmaceutical Ingredients). During expos, many deals are struck and learnings internalized. Participants get a sense of direction for their thinking and efforts. The showcasing of product technology spurs innovation to create products and services with a competitive advantage. Expo participation opens the mind, empowers through knowledge & insights - and gives impetus to more activity.



Expos are vital for the economy too. When deals are struck and agreements done either for contract manufacturing, contract marketing, technology transfer or training exchanges, there is boost to economy. Large scale deals can lead to much required job creation and career advancement. Expos in advanced countries are taken very seriously and all enablement and conveniences are provided to host the expo. ANUGA too is an example of food related expo where nutraceutical and nutritional product manufacturers hop on to the bandwagon and showcase their offerings to prospects.



Expos rekindle warmth and renew ties. Business is between people and not done through sheer objectivity. People like to catch up, exchange viewpoints and ideas; the sheer energy of a well-attended expo can be exhilarating and spurs on participants to explore new vistas of product development and business. Thus, expos are venues for people to people contact.

Expos have networking opportunities to solicit business growth and exchange information. During expos, networking dinners are organized – some companies use this occasion to

host get-together dinner for their clients & contacts, at hotels: all this is done to cement relations - retain customers and gain referrals for new customers. A parade of opportunities makes expos - the opportunity windows.

Expos also host various talks, panel discussions, expert seminars and masterclasses on technology and other burning topics of the day relevant to the industry. Hence, expo participation is valuable from guidance, motivation, direction, knowledge and relationships point of view.



IPHEX 2023, Hyderabad

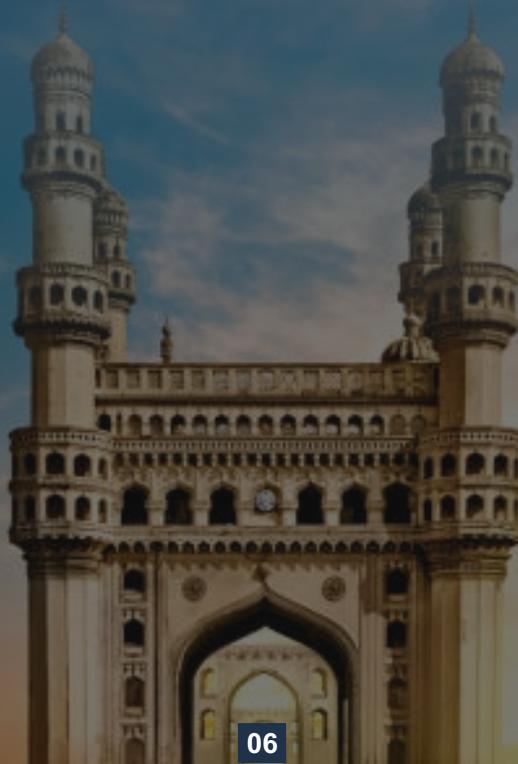
From the 5th of July 2023 to 7th July 2023, Group Pharmaceuticals team manned a stall during IPHEX 2023, Hyderabad. To say the least, participation in IPHEX 2023 was overwhelming. The idea of IPHEX 2023 was to showcase India as pharmacy of the world. The participation data is stunning, with 370 plus exhibitors, most being MSME (Micro, Small & Medium Enterprises) industries and in-bound international buyers came from 100 plus countries. There were interesting B2B meetings in a special hall to make the sales pitch and discuss terms and conditions on a one-to-one basis. Business visitors from as far as USA and others from African and Asian nations were there. Middle East and European prospective buyers added flavor to the event.

You could see energy and satisfaction among exhibitors, and it won't be an exaggeration to state all exhibitors including Group Pharmaceuticals got at least one serious enquiry maturing into a business.

The venue of IPHEX 2023, Hyderabad was Hitex Exhibition Centre, Hyderabad, which has excellent infrastructure. The four huge halls were to the brim with stalls and people; there was not a single booth or stall that was empty. The food during networking dinner on 5.7.2023 was delicious and the ambience plus the people all impeccably dressed in business suits has etched warm memories in participants. IPHEX 2023 was organized by Pharmexcil the pharmaceutical export council, and Dept. of Commerce, Govt. of India.

Participation in expos

Participation and visiting expos is vital not only for knowledge, trends, inspiration and contacts, but also this helps a person envision his own destiny. This time round, among exhibitors and visitors there were a good number of pharmacists. There was also small company specializing in transdermal patches manned by pharmacists at IPHEX 2023. Mr. Harish Jain, Director, Embiotic and a dyed-in-the-wool pharmacist too played his active role in helping organize the IPHEX 2023 event. Overall, it was a treat to watch the invigorated growth of pharmacy as a profession including on the international stage. Students of pharmacy and business too will benefit from visiting such expo events to empower themselves with experiential learnings.



Mr. Sunil S Chiplunkar

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FIRST CELLULAR THERAPY TO TREAT TYPE-1 DIABETES MELLITUS

Approved by US FDA



Atiqulla Shariff

Research Scholar
Dept. of Pharmacy Practice
JSS College of Pharmacy,
Mysuru-15.

Type-1 Diabetes Mellitus (T1DM) is also known as insulin-dependent diabetes mellitus (IDDM) is an autoimmune disorder resulting from destruction of pancreatic beta-cells. The patients with T1DM must be on exogenous insulin for lifelong to manage their blood sugar levels, that necessitates careful insulin dosage adjustments based on blood sugar levels. In addition, being a high-alert medication insulin doses must be carefully reviewed before each administration to prevent hypoglycemia (low blood sugar) and related serious adverse events. This is highly challenging in patients with brittle diabetes, where patients will be having severe and frequent blood sugar swings.

The newly developed cellular therapy provides potential treatment options in such patients to effectively manage blood sugar levels while avoiding insulin related adverse events. The therapy involves infusion of allogenic islet beta-cells from deceased donors' pancreatic cells into hepatic (portal) vein of T1DM patient recipient. The infusion can produce enough insulin, that eliminates the exogenous insulin requirement for managing blood sugar levels in the recipients.

Two non-randomized, single-arm studies were conducted to evaluate the safety and effectiveness of the newly developed cellular therapy. Among patients who received a single to maximum of three cellular therapy infusions, showed favorable results. Twenty-one patients were insulin independent for a period of one year post cellular therapy infusion. Similarly, eleven and ten patients were insulin independent for 1-5 years and more than 5 years, post cellular therapy infusion, respectively. However, five patients did not achieve insulin free days throughout the study period.

The most common adverse reactions were nausea, fatigue, anemia, diarrhea, and abdominal pain. In addition, many patients experienced at least one procedure related adverse event while administering allogenic islet beta-cells infusion into hepatic portal vein and adverse reactions to immunosuppressants used to maintain islet cell viability among the recipients. Thus, based on these study results, the US FDA has approved the first allogenic pancreatic islet cellular therapy for T1DM, with patient directed labelling on 28th June 2023.

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A CASE REPORT ON FAROPENEM INDUCED SEIZURES

Faropenem is an orally active broad-spectrum antibiotic, belonging to the class carbapenems. It is mainly used in the treatment of respiratory, ENT and genitourinary infections. The adverse effects of Faropenem are nausea, rashes, vomiting, abdominal pain and diarrhoea.

A 48-year-old woman visited the OPD with the complaints of burning micturition since 7 days, reduced appetite, generalized fatigue in the past 3 days and increased PV bleeding even up to 8th day of menstruation. She was a known case of type 2 DM, focal seizures, and had history of neurocysticercosis for which she was treated 5 years back. The patient was seizure free from past one year. She was on regular medications for her comorbid conditions (sitagliptin, metformin, levetiracetam and dexamethasone).

During physical examination the patient's temperature was 103°F, BP was 130/80 mm Hg, RBS was 352 mg/dL, pulse rate of 120beats/min. in view of these findings, the patient was admitted to the hospital. On further examinations her HbA1c was 12.8, urine routine test showed greenish- yellow colour for sugar, and urine acetone was positive. WBC total count was 10,300cell/ μ L. CT of brain showed no significant abnormality, the EEG suggested normal wake record. The urine culture was done, the organism found was E. coli and it was resistant to cephalosporins.

During hospitalization the patient was initially treated with antimicrobials like ceftriaxone, then switched over to piperacillin tazobactam, azithromycin, fluconazole, oseltamivir along with levetiracetam, vitamin supplements and insulin.

The patient was symptomatically better and was discharged on day 6 with Faropenem, fluconazole, levetiracetam, tranexamic acid, multivitamins & insulin.

The patient was back to the hospital 5 days after discharge with the complaints of multiple episodes of involuntary movement of left lower quadrant of face in past 2 days, each episode lasted about 1 min without loss of control. On physical examination the patient's temperature was normal, BP was 150/90 mm Hg, RBS was 345 mg/dL, pulse rate of 110beats/min. patient was admitted to the hospital again and initially received the same treatment. Later she developed 2 episodes of focal seizures lasting for about 1 min in hospital for which inj. Levetiracetam 750 mg was administered. The following day the patient's temperature was normal, BP was 120/70 mm Hg, she further developed multiple episodes of focal seizures for which tab. Clobazam and Oxcarbazepine was added to the therapy. The next day, Faropenem was withheld & Amikacin 750mg was added to the treatment plan. The patient was observed closely for 3 more days, she was symptomatically better and had no further episodes of seizure therefore was discharged with the medications: Levetiracetam, Clobazam, Oxcarbazepine, multivitamins & insulin.

The patient was followed up for 1 month after discharge and she had no further episodes of seizure.

After Faropenem was withdrawn, the patient had no further episodes of seizures and was symptomatically better. It was observed that the seizures occurred due to Faropenem induced CNS toxicity.

ZUHA SHARIF
6th Pharm.D

Al- Ameen College of Pharmacy



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ಡಾ. ರೇಖಾ ಕೆ ಶೆಟ್ಟಿ
ಬೋಲಿವಾಲ, ಮುಂಬೈ

ಇದೆಂತಹ ತಳಮಳ ನನ್ನ ಮನಸ್ಸಿನ
ಸಮುದ್ರದ ಅಲೆಗಳು ಎದ್ದಿದೆ ಆಕಾಶದ ಎತ್ತರ
ಬೀಳುತ್ತಿದೆ ರಭಸದಿಂದ ಮಾಡಿ ಶಬ್ದ ಭಯಂಕರ
ಇದೆಂತಹ ತಳಮಳ ನನ್ನ ಮನಸ್ಸಿನ
ಹೇಳಲು ಬಯಸುವ ಮಾತು ಇರುತ್ತೆ ಮನಸ್ಸಿನಲ್ಲಿಯೇ ಮುದ್ದೆಯಾಗಿ
ಹೊರ ಬೀಳುತ್ತೆ ಅನಗತ್ಯ ಶಬ್ದದ ಸುರಿಮಳೆ ಸಾಲು-ಸಾಲಾಗಿ
ಇದೆಂತಹ ತಳಮಳ ನನ್ನ ಮನಸ್ಸಿನ ಕಾಯುತ್ತಿದ್ದೆ ಈ ಅವಕಾಶಕ್ಕೆ
ಹೇಳಲು ಧನ್ಯವಾದ, ನಿನ್ನ ಕಾರ್ಯಕ್ಕೆ
ತುಂಬು ಮನದಿಂದ ಮಾಡಿದೆ ನೀನು ಎಲ್ಲರಿಗೆ ಸಹಾಯ
ಆದರೆ ನುಂಗಿದೆ ಜನರ ಕಡುನುಡಿಯ ಕಪಾಯ
ಮರೆಯಬೇಡ ಇದೇ ಜೀವನದ ರೀತಿ
ಆದರೂ ,ನೀ ಮುಂದುವರಿಸು ಜನರಿಗೆ ಕೊಡುತ್ತಿರುವ ನಿನ್ನ ಪ್ರೀತಿ
ಇದೇ ನಿನ್ನ ಈ ಗುಣ ,ಮರೆತು ಪುನಃ ತೊಡಗಿದೆ ಇತರರ ಸಹಾಯಕ್ಕೆ
ಕೊಟ್ಟಿದೆ ನಿನಗೆ ತೆಗೆದುಕೊಳ್ಳಲು ನಿರ್ಧಾರ ಪ್ರತಿ ಭಾರಿ
ಬೀಳದೆ ಜಗಳ ನಡುವೆಯ ತಪ್ಪು-ಸರಿ
ನಿನ್ನ ಹೃದಯ ಮೃದು ಬೆಣ್ಣೆ ಕೇಳು ಬರೇ ಅದರ ಸನ್ನೆ
ಹಾಕು ಮುಂದೆ ಹೆಜ್ಜೆ ನಮಲ್ಲಿ ಇರಲಿಲ್ಲ ಈ ಪ್ರಜ್ಞೆ
ನಿನ್ನ ಈ ಸಾಮರ್ಥ್ಯ ನನಗೆ ದೊರೆಯಲಿಲ್ಲ ಬಹುಶ ನಾನು ನಿನ್ನ ಸ್ವ ಧೈರ್ಯ ತೋರಲಿಲ್ಲ
ನಿನ್ನಂತಹ, ಸಹೋದರಿ ಸಿಕ್ಕಿದು ನಮ್ಮ ಭಾಗ್ಯ
ಇವತ್ತು ಪ್ರಾರ್ಥಿಸುವೆ ದೇವರಲ್ಲಿ ಕೊಡಲಿ ನಿನಗೆ, ಸುಖ -ಶಾಂತಿ ಮತ್ತು ಆರೋಗ್ಯ
ನಿನ್ನಹಾದಿಯ ಮುಳ್ಳು ಹೂವು ಆಗಲಿ ಜಗದಲ್ಲಿ ನಿನ್ನ ಖ್ಯಾತಿ ಪಸರಿಸಲಿ
ಬರುವ ಅಡ್ಡ ಗೋಡೆ ನಿನ್ನ ಪ್ರಗತಿಯಲ್ಲಿ
ದೇವರು ಬೀಳಿಸುವರೆಂಬ ನಂಬುಗೆ ಇದೇ ನನಗೆ ನನ್ನ ಭಕ್ತಿಯಲ್ಲಿ
ಸದಾ ನಗು ನಗುತ್ತಾಳೆ ಇರು ನೀನು ಇದನ್ನು ನೋಡಿ ಆನಂದಿಸುವೆವು ನಾನು
ಶಬ್ದದಿಂದ ಹೇಳಲಾದೆ ಅಸಮರ್ಥ
ಈ ಪದ್ಯ ರೂಪ ಕೊಡಲಿ ನಿನಗೆ ನನ್ನ ಸಂದೇಶ ಇದನ್ನ ಓದಿ ನೀನು ಪಡೆ ಸಂತೋಷ
ಇದೇ ನನ್ನ ಈ ಕವಿತೆಯ ಉದ್ದೇಶ

.....

ಈ ಮೇಲಿನ ಕವನ ಬರೆದಿಟ್ಟೆ, ಕಳುಹಿಸಲು ಪ್ರಕಾಶಕರಿಗೆ ಮರೆತುಬಿಟ್ಟೆ
ಈ ಕವನ ಪ್ರಕಟವಾಗಿಲ್ಲ ನಿನಗೆ ಇದನ್ನು ಓದುವ ಅವಕಾಶ ಸಿಗಲಿಲ್ಲ
ನಿನಗೇ ಪ್ರೇರಿಸುವ ಮಾತು ಕಾಗದದಲ್ಲಿಯೇ ಇದ್ದು ಹೋಯಿತು
ನಿನ್ನಹೃದಯಕ್ಕೆ ನಾಟಿ, ನಿನ್ನ ಋಷಿ ಪ್ರಕಟಿಸುವ ಮೊದಲೇ
ನಮನ್ನು ಬಿಟ್ಟು ದೇವರ ಮನೆ ಸೇರಿದೆ ಕೂಡಲೇ
ಈ ಕವನ ಪ್ರಕಟಿಸುವ ಉದ್ದೇಶ ಸ್ವರ್ಗದಿಂದಲೂ ನೀನು ಇದನ್ನ ಓದಿ ಪಡೆಯು ಸಂತೋಷ

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THREE CHEERS TO MR. HARISH JAIN Today, *Dr. Kaushik Devaraju, President, KRPA (Karnataka Regd. Pharmacists Association)*, Dr. Shravan, Pharmacist and Director, Nargund Pharmacy College(s) and group, Mr. Umashankar (Drugs Control Department), Mr. Rathnesh, Pharmacist and Mr. Sunil S Chiplunkar, Advisory Member, KRPA ... in the *august presence of Mr. Sunil Attavar Sir, Mr. Jatish Shethji, Mr. Shastry Sir and other personnel of KDPMA honoured *Mr. Harish Jain, Director, Embiotic, Bangalore* for his achievement of gaining the position of *President, FOPE* (Federation of Pharmaceutical Entrepreneurs), a very powerful body of pharmaceutical personnel based at Gurgaon: <https://fopeindia.in/>

***Mr. Harish Jain** M Pharm, is a proud pharmacist and B Pharm alumnus of Govt. College of Pharmacy, Bangalore.**



JSS COLLEGE OF PHARMACY

Sri Shivarathreeshwaranagar, Mysuru-570 015

International Yoga Day was celebrated at Mysore Palace with the participation of the principle, vice principal, NSS Programme Officer, and NSS Volunteers.



SAMAVARTANA Graduate's Reception-2023





Al-Ameen College of Pharmacy



Happy to inform that our Al-Ameen College of Pharmacy, Bangalore student Ms. SHWETHA K has Received GOLD MEDAL for securing 1st Rank in M.Pharm (Pharmaceutical Quality Assurance) in the RGUHS Exams. Our college got total One Gold Medal & 19 Ranks in different specialties in RGUHS exams during the academic year 2021-22. She was Awarded Gold Medal on 10th June 2023 during the 25th RGUHS convocation held at JRD Tata Auditorium, Indian Institute of Science, Bangalore.



The International Day against Drug Abuse and Illicit Trafficking, or World Drug Day, was observed by the NSS & IIC of Al-Ameen College of Pharmacy, Bangalore on 26th June-2023. Mr. Narayanswamy, ACP of Ulsoor Gate Jurisdiction, Bengaluru was the Chief Guest & Speaker. In his awareness talk to students, he highlighted the Harmful effects of Drug abuse, Role of Police in creating awareness and curbing the menace.



The 9th International Day of Yoga is celebrated on 21st June by the NSS Unit of Al-Ameen Group of Institutions. 'Yoga for Vasudhaiva Kutumbakam' or 'Yoga for the Welfare of All as One World-One Family,' is the theme for the International Yoga Day 2023.

CAMPUS BUZZ



Dr N Raghavendra Naveen, Dr Naga Prashant K, Ms Asha B R, Mr Harsha T L, Ms Tejaswini got the opportunity to visit Deshpande foundation, Hubli on 9th June 2023. In their visit they presented, evaluated and validated the *developed prototypes* of sri Adichunchanagiri College of Pharmacy. Discussion related to funding opportunities, scaleup activities and incubation support has been done with *Deshpande startups team*

Sri Adichunchanagiri College of Pharmacy has taken a proactive approach to equip B.Pharm, Pharm D, and M.Pharm students with the necessary skills and knowledge in the rapidly evolving fields of innovation and entrepreneurship. They have meticulously designed a comprehensive 36-hour course called the "Certificate Course on Innovation and Entrepreneurship" that stands out for its uniqueness and relevance. The syllabus of this course goes beyond the basics and covers advanced concepts, ensuring that students receive a well-rounded education in the subject matter. By incorporating cutting-edge content, the college aims to prepare the students for the challenges and opportunities that lie ahead in their professional journey.

To enhance the learning experience, the course adopts a hybrid model, combining both offline and online components. During the offline sessions, which span four days, students engage in hands-on activities, allowing them to apply their knowledge practically. These sessions provide a valuable opportunity for students to interact directly with instructors and peers, fostering a collaborative learning environment. The online component of the course comprises eight sessions, each lasting 90 minutes. Through virtual platforms, students gain access to a wealth of resources, expert insights, and engaging discussions. This blended approach offers the flexibility and convenience of online learning while ensuring that students benefit from real-time guidance and support.



2023, the faculty of Sri Adichunchanagiri College of Pharmacy had an active interaction with Mr. Rakesh from Deshpande Startups. During the session, Mr. Rakesh emphasized the importance of collaborative discussions and encouraged the faculty to contribute their skills towards supporting entrepreneurship, innovation, and community development initiatives, particularly in enhancing student startups. The foundation's investment in training and workshops aims to enhance the capabilities of students. This staff interaction resulted in a deeper understanding of innovation and efficient implementation of projects and ideas, propelling them forward.





**1) COMBATTING PLASTIC POLLUTION:
WORLD ENVIRONMENTAL DAY 2023 – NSS
UNIT OF NCOPS PRESENTS SOLUTIONS FOR
A SUSTAINABLE FUTURE!”**

NSS Unit Nitte College of Pharmaceutical Sciences, Bengaluru, celebrated "Environmental Day 2023" with a focus on 'Solutions to Plastic Pollution' under the campaign #BeatPlasticPollution. The event featured a poster-making activity and oral presentations by students, emphasizing the importance of afforestation and raising awareness about plastic pollution. Student teams actively promoted the World Environment Day 2023 theme and the concept of 'Vanamahotsava' (Forest Festival).



**2) "HARMONIZING BODY, MIND, AND WORLD:
INTERNATIONAL YOGA DAY 2023 - EMBRACING
'YOGA FOR VASUDHAIVA KUTUMBAKAM' FOR
GLOBAL UNITY AND WELL-BEING!"**

The NSS Unit of Nitte College of Pharmaceutical Sciences, Bangalore, collaborated with Cytecure Hospitals to celebrate the 9th International Yoga Day on Thursday, 22nd June 2023. The event centered around the theme "Yoga for Vasudhaiva Kutumbakam," highlighting unity and interconnectedness. Ms. Mili Baruah, a Mind Body Wellness and Yoga Therapist, delivered an informative talk on the philosophy and benefits of yoga, emphasizing its role in promoting unity and harmony. The main highlight of the event was a guided yoga session led by Ms. Mili Baruah, focusing on various asanas, pranayama, and meditation techniques, promoting physical and mental well-being.





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KOPPAL CAMPUS

**Dr. Gurachar Nargund
College of Pharmacy**

B. PHARM | D. PHARM

Bheemajja PU College

PCMB | HEBA

Quiz

1. Which of the following is NOT a regulatory agency that oversees the pharmaceutical industry in the United States?

1. FDA
2. DEA
3. FTC
4. CDC

2. Which of the following is NOT a function of the FDA?

1. Regulating the safety and efficacy of drugs
2. Overseeing the manufacturing of drugs
3. Regulating the advertising of drugs
4. Providing healthcare to the public

3. Which of the following is NOT a type of pharmaceutical board?

1. State board of pharmacy
2. National board of pharmacy
3. Board of pharmaceutical examiners
4. Board of medical examiners

4. Which of the following is NOT a step in the drug discovery process?

1. Target identification
2. Preclinical testing
3. Clinical trials
4. Drug approval

5. Case scenario: A 65-year-old woman with a history of hypertension and diabetes is taking the following medications:

- Lisinopril (a blood pressure medication)
- Metformin (a diabetes medication)
- Aspirin (an anti-platelet medication)

She is also taking a new medication called rosuvastatin (a cholesterol-lowering medication) for the first time. Which of the following is the most important factor to consider when evaluating the safety of this patient's medication regimen?

1. The patient's age
2. The patient's other medical conditions
3. The drug-drug interactions between the medications
4. The cost of the medications

RULES

1. Correct answers will be rewarded 2 point each (20 marks)

2. Answer of the quiz will be evaluated by panel of judges and their decision is final. (Max mark:20)

3. Those who get the highest marks, their photo will be published in our next bulletin and also a cash prize of Rs.500/- will be rewarded to them

4. The answer must be sent within 31th July 2023 to this E Mail ID- krpaindia@gmail.com

5. A confirmation mail will be sent to you on receiving your e-mail.

6. Case scenario: A 35-year-old woman is pregnant and is taking the following medications:

- Folic acid (a vitamin)
- Iron (a mineral)
- Ibuprofen (a pain reliever)

Ques: Which of the following is the most important factor to consider when evaluating the safety of this patient's medication regimen?

1. The patient's age
2. The patient's pregnancy status
3. The drug-drug interactions between the medications
4. The cost of the medications

7. Which of the following is NOT a side effect of the drug ibuprofen?

1. Nausea
2. Vomiting
3. Diarrhea
4. Increased blood pressure

8. Which of the following is NOT a contraindication for the drug warfarin?

1. Liver disease
2. Kidney disease
3. Pregnancy
4. Allergy to cats

9. Which of the following is NOT a type of drug interaction?

1. Pharmacodynamic interaction
2. Pharmacokinetic interaction
3. Drug-food interaction
4. Drug-herb interaction

10. Which of the following is NOT a way to report a drug adverse event?

1. Call the FDA's MedWatch hotline
2. Report it to your doctor
3. Report it to the drug manufacturer
4. Write a letter to the FDA

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INSPIRATIONAL PHARMACIST

Dr C.V.S. Subrahmanyam

ICONIC PHARMACY TEACHER

The influence of teachers extends beyond the classroom, well into the future. Dr C.V.S. Subrahmanyam is more popularly and more affectionately identified as Dr.CVS. He is currently working as H.O.D at Department of Pharmaceutics at Gukaraju Rangaraju College of Pharmacy Bachupally Hyderabad. He is a great teacher, a great educationalist and a great philosopher who has dedicated his life towards pharmacy education.

Dr C.V.S. Subrahmanyam obtained his bachelor's degree in the year 1977 at College of Pharmaceutical Sciences Andhra University, Visakhapatnam. Later completed M. Pharmacy at the same University with first Class Distinction. He completed Ph.D. in the year 1986 from Bits Pilani under the guidance of Professor R.C. Srivatsava.

Dr CVS is from a family of pharmacists. His father is a pharmacist and his daughter too is a graduate in pharmacy. He had apprentice training in Warner Hindustan Limited Hyderabad for eight months in 1978. This has shaped his career by understanding the pharmaceutical production which he has been applying for next 40 years in teaching the pharmaceutical subjects since he started his journey as a lecturer at KLE College of Pharmacy Belgam. Then he joined Pilani where he obtained his phd work as an Assistant Lecturer. Later he was deputed to regional research laboratories at Jammu. During his tenure of four years at regional research laboratories he worked as faculty exclusively only for research and introducing the students to research studies.

Then he worked as a professor at Manipal College of Pharmaceutical Sciences. Manipal the place where he explored his research potential then he joined Babuji Pharmacy College Davanagari as a Vice Principal and then took the responsibility of principal up to 2004. Dr C.V.S. finally moved to his home state since 2004 till 2020 he worked as a principal of Gukuraju Rangaraju College of Pharmacy Hyderabad at present he is serving as a P.G Coordinator and H.O.D. of pharmaceutics department college of pharmacy after superannuation at 65 years he handed over the charge of principle and continuing as a professor to devote his time in teaching particularly practical aspects are to empower the students in optimization techniques computational methods in drug development research methodology.

His research areas of interest were as physical pharmacy and preformulation studies, solubility behaviour, solubilization of poorly water soluble drugs, etc, solid state manipulations crystallization, co-crystals Novel drug delivery systems and liquid compacts.

The notable contribution of Dr C.V.S in the field of pharmacy education his first book : Textbook of Physical Pharmaceutics which is not mere a textbook but is an amalgamation of his experience and knowledge put in a simplest language leading to the revolutionary improvement in the percent results in the subject is a reflection of his contribution. The students community and teachers across the country responded massively for the user friendly and simple representation of topics. This book after undergoing several reprints and editions presently available to suit the need of fourth semester B Pharm students. All of his books highlights the conceptualization of principles and applications of principles a number of illustrations on the concept of mapping and question bank including the mcqs to prepare competitive exams and reasoning type questions for developing critical thinking has helped the students to easily understand and grasp the concepts.

He continued his work of writing his experience and finally brought out the book : Essentials of Physical Pharmacy which is transformed now into Pharmaceutical Engineering is a must handbook of every Third B Pharm student which is always regarded as a subject whose difficulty index is high and certainly students need support. This book facilitated the pharmaceutics teachers delivery easy lecture also focusing on the practical applications of Pharmaceutical Engineering which was possible only through the illustrations highlighted in his book. He did not leave his interest on biopharmaceutics and pharmacokinetics to suit the needs of B Pharm, Pharm D and M Pharm students which is at present is available in its third edition. Also in the year 2013 he has authored the book industrial pharmacy on selected topics.

During his career Dr C.V.S is recipient of various accolades and recognitions. In the year 1995 he was awarded as The Best Teacher by the students of College of Pharmaceutical Sciences Manipal. Dr C.V.S has secured AACT grant totaling rupees 30 lakhs as a principal investigator at Babuji Pharmacy College Davanagari. He had led Gukuraju Rangaraju College of Pharmacy Hyderabad for four years continuously for NIRF ranking and secured a place in the list of Nations top college institutions. He has instilled ethics of research in many researches. His research works have taken citations in British Pharmaceutical Codex 2005 and many more international books too.

Dr CVS has served as Chairperson, Co-Chairperson and member of various scientific conventions like Indian Pharmaceutical Congress(IPC), National Teachers Conventions. He has actively participated as a member for drafting and redesigning committee of the syllabus of B Pharmacy and M Pharmacy coursework in many universities.

His tireless contribution for the betterment of pharmacy education in India and his vision about a radical change in imparting practical knowledge to students through his books, articles, distinguishing approaches as a teacher makes him "One of the most aspired personality in Pharmacy education." He is indeed a great inspiration for thousands of students and teachers too!

Kiran Naidu D.
3rd B Pharm (6th Sem)
Joint Literary Secretary
JSS College Of Pharmacy Mysuru



DISCLAIMER

The Newsletter intends to provide updated and reliable information on medicines and other related issues in an attempt to equip healthcare professionals to take informed decision in recommending medicines to the patients. However, they are encouraged to validate the contents. Neither the people associated with the publication of the Newsletter nor the organization shall be liable for any damage incurred as a result of use of the contents of this publication. The brand names of medicines, if mentioned, are for illustration only and the newsletter does not endorse them.

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