



KARNATAKA REGISTERED PHARMACISTS ASSOCIATION ®

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KRPA MONTHLY BULLETIN

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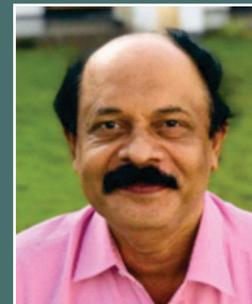
PREFACE

According to a recent study based on the National Sample Survey Organization, there are only 20 healthcare professionals for every 10,000 people in India. While the number is less than the WHO's minimum threshold of 22.8. Unfortunately, the distribution of health workers is uneven between urban and rural areas. Rural areas with nearly 71% of India's population have only 36% of health workers. India thus faces a 'critical shortage' of healthcare providers with its healthcare density even lower than Sri Lanka, China, etc. Pharmacists form a critical component of the healthcare sector and with the recent challenge like the COVID pandemic, their role is only bound to increase in the near future.

The pharmacist serves as a member of a multi disciplinary team rather than in an autonomous capacity. In this context, it is heartening to see the work of KRPA. Besides their monthly bulletin which provides awareness on health practices during this unprecedented situation, they have been at the line of fire as well,

performing their duty admirably. They have reached thousands of people through webinars on myriad issues like the importance of oral and hand hygiene, the importance of pharmacovigilance, best community pharmacy practices, etc. What is even more admirable is that they have also been active at the grassroots level aiding needy families by contributing essential groceries on April 14, 2020.

I wish them all the best to continue their work with unflinching selflessness and dedication. In these uncertain times, let's not lose sight of the government's vision for a '**Swasth Bharat**'.



DR. P.K.SREEKUMAR
Deputy Drugs Controller(Ret)
Kerala



SALEEM AHMED

Asst Professor
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Mysuru

Myself Saleem Ahmed, Asst. Professor, department of pharmacology, Farooqia college pharmacy, Mysuru, heartily congratulate KRPA for coming out with monthly bulletin. The aim of which is to develop the understanding about the importance of pharmacist and pharmacy profession among the professionals and in society. The organisation has a very dynamic team. Credit to KRPA for forming the KRPA Student forum consisting of an energetic and talented pool of students from all four pharmacy colleges, JSS College of pharmacy, Farooqia College of Pharmacy, Sarada Villas College of Pharmacy and Cauvery College of Pharmacy, Mysuru. For many years I have had the opportunity of serving this organisation as the director and I must commend the professionalism and the discipline followed by this organisation in carrying out various activities such sports, cultural and other professional activities. Hats off to the KRPA team for their involvement during COVID-19 lockdown for spreading the awareness by conducting various webinars and their philanthropic efforts towards helping the poor families. This monthly bulletin consists of various informative articles enlightening both professional and the general public regarding health issues, my best wishes are there for KRPA for their future endeavours which I believe will be for the amelioration of the pharmacy profession.



Hand hygiene is
the best way
to **BREAK THE CHAIN** of
infection

KILLS
99.9% GERMS



COMPETENCY-BASED CLINICAL TEACHING

Clinical teaching possibly more than ever faces the pressures for change in response to the rapid developments in medical and health-care delivery, advances in information technology, globalization influencing medicine and education, changing political and public expectations, demands from within the profession and developments in how we look at teaching and learning. The Competency-Based Clinical Teaching approach is based on “sound educational principles and provides a robust framework for students to acquire the necessary fitness to practice,” particularly to rectify irrational practices. Competency-based education is also known as Outcome-Based Education (OBE). The implementation of OBE in the Indian education system is still at an infant stage and its impact is not well established. OBE has been introduced to clinical education almost two decades ago; the method has been implemented in different medical institutes in both developed and developing countries’.

OBE is neither a new concept nor a passing phase in educational technology and is equally applicable throughout the educational continuum from primary school to postgraduate training. OBE emphasizes on the finished product or output and defines what the learner is answerable for any teaching and learning program. OBE does not pronounce how to teach or how to learn for teachers and learners, respectively. OBE is a procedure that includes the reorganization of curriculum, assessment, and reporting practices in education to imitate the attainment of high order learning and mastery rather than with orientations.”

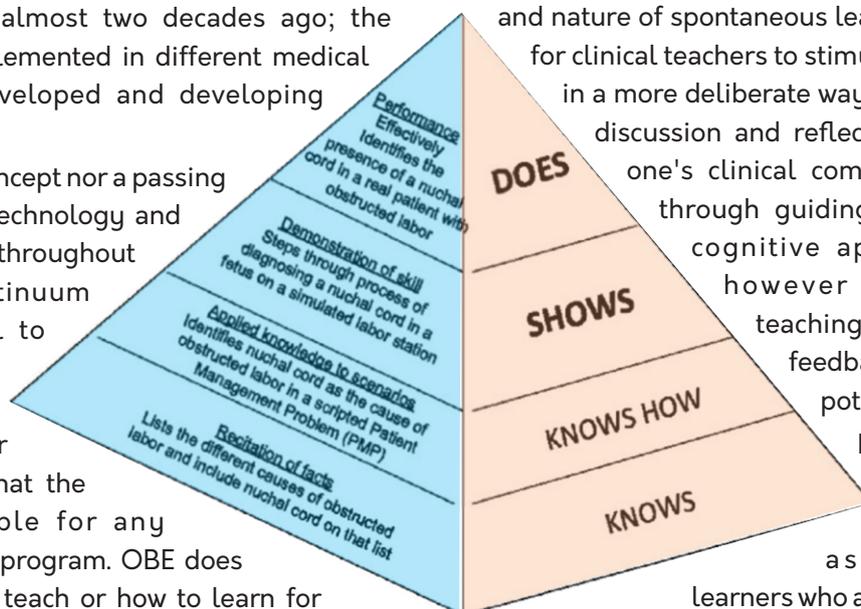
“Education that is outcome based is learner centric, results-oriented system founded on the belief that all

individuals can learn”. A learner centric educational program that caters principally to the development of skills, changing attitude and practice are considered as OBE system. OBE is considered as “performance-based approach at the cutting edge of curriculum development, offers a powerful and appealing way of reforming and managing medical education. The emphasis is on the product - what sort of doctor will be produced - rather than on the educational process.”

The demand for quality and capable graduates to fulfil the industry needs, leads many countries to reform their education system and structure. High-quality patient care is only achievable if pharmacists receive high-quality teaching. An important aspect of workplace learning is spontaneous learning from experience, called 'Experiential Learning'. Recognizing the power and nature of spontaneous learning is a starting point for clinical teachers to stimulate learning in practice

in a more deliberate way by explicit questioning, discussion and reflection aiming to improve one's clinical competence. This 'learning through guiding' is advocated by the cognitive apprenticeship model, however to improve clinical teaching valid assessment and feedback on clinical teaching is potentially a powerful tool.

It is the need of the hour for countries like India to develop graduates as effective lifelong learners who are capable to continue to develop personally and professionally as per the demand. Adoption of an outcomes-based education system, sensitization along with training of stakeholders and faculty would be necessary to achieve uniform implementation of the competency-based clinical curriculum across the country.



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PHARMA IS GETTING **Phygital**

The aim of the pharmacy profession is wide-ranging. Pharma involves discovering better drugs and therapies in disease management, providing wellness products, marketing them and making patients happy through pharmacy practice. So, pharmacy professionals are behind the scene and at the forefront of creating well-being in society.

COVID-19 THE DISRUPTOR

COVID-19 respiratory infection caused by SARS-CoV-2 coronavirus is one of the most contagious virus perhaps known to mankind. This easily transmitted virus is carried through the infected person's microscopic and macroscopic salivary and respiratory droplets. People in places where they are in close contact, and in spots where there is heavy breathing (eg. gyms) or singing (eg. church choirs) there is a faster spread of infection. Speaking, exhalation, coughing and sneezing are the major routes causing virus transmission. The virus gets latched onto ACE 2 receptors in the nasal tract and thus, the possibility of infection starts in the person (virus injects its RNA into the host cell leading to viral replication). About 70% of infected cases are asymptomatic, but remaining patients may suffer varying severity of fever, tiredness and dry cough. If breathing gets difficult, it indicates the worsening of COVID-19 infection in the patient. The point is the body tends to tolerate low body oxygen levels for some time before it collapses. Anemic patients are very vulnerable to COVID-19 complications. As is well known, patients with comorbid conditions like diabetes, cardiac patients, hypertensive, epileptics and liver disease patients suffer COVID-19 infection more severely and faster.

ECONOMIC DISRUPTION

The sudden burst of the pandemic has paralysed economic activities. The pharmaceutical field has also suffered. There is a distinctly lesser flow of patients in clinics and buyers in pharmacies. People too have become healthier staying at home and due to reduced exposure to toxins in the environment. However, the economic toll on firms, organizations and people is very stressful.

INVENTIVENESS THROUGH 'PHYGITAL'

The movement to use online means of communication and transaction has zoomed up. Telemedicine was not a top choice method of diagnosis and care. However, in the current situation, telemedicine has taken off. There are front page advertisements for telemedicine apps. 100 companies have come together to create a telemedicine non-profit app called Swasth. In pre-COVID times Manipal Hospital's patients had seldom used the telemedicine route, it was sporadically used for a second opinion. However, in Covid-19 times, there are 300 to 400 telemedicine consults daily in the Manipal telemedicine channel! This is a major change in patient behavior!

Pharmacies are starting to connect through door deliveries, taking phones and e-orders. Pharmaceutical marketers have on-boarded e-methods of reaching out to pharmacies and doctors. Whatsapp messaging, talking to doctors over the phone and e-detailing through phone has been accepted by the doctors. Webinars for pharmacists and doctors have become a well-accepted mode of reaching out to market operators.

Bankers too are encouraging banking through online routes and commercial transactions are on the net. The location of work has shifted from office spaces to residences with work from home (WFH) becoming the way forward. Internet service providers are becoming essential for work performance. Meeting people, transacting and promoting products through e-route has become inevitable. Thus, it is getting inevitably, Phygital.

Online learning channels are now more used. Traditional academies are using online teaching methodology and even conducting exams through this method. This is a new approach altogether. PhD theses are being defended through zoom technology – which is happening for the first time and an economical approach too. Hence, digital is creating new pathways of doing academic things.

PHYGITAL HABITS

The most important change for the disruption of COVID-19, is that new digital habits are created among people. Digital methods are first-go in the world today. This means pharma marketers and pharma professionals are using hybrid approaches to make results happen: physical means plus digital methods are the present and future!



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KARNATAKA STATE PHARMACY COUNCIL

A PROFILE

The Pharmacy Act 1948 (Act No.8 of 1948) mandated the State Governments to constitute a 'Registration Tribunal' to prepare the first Register of Registered Pharmacist and handover the same to the respective State Pharmacy Council / Joint State Pharmacy Council once it is constituted to grant registration to the eligible pharmacists.

The "Mysore State Pharmacy Registration Tribunal" was formed by the then Government of Mysore in 1967 under the Chairmanship of Dr.ShamaShastri, the then Director of Medical Services with Sri. K. N. Shanbhogue, the Drugs Controller for the State of Mysore as Member and Sri S. S. Kattishettar, the Assistant Drugs Controller as Member-Secretary.

The Mysore State Pharmacy Council came into existence after the completion of the first register by the said Tribunal. The Council did not have its own building and was functioning from the office of the Drugs Controller of Government of Karnataka. Sri. K. N. Shanbhogue, the then Drugs Controller for the State of Mysore was the first President of the council. With the change in the name of the State from 'Mysore' to 'Karnataka' in the year 1973 the name of the 'Mysore State Pharmacy Council' was also changed to 'Karnataka State Pharmacy Council' (KSPC).

The current building in which the council is housed was built in the year 1997. It has been a monumental structure. Its interiors, though structured a decade ago is comparable in 'Look and working comfort' to any of the modern corporate offices. It has a small compact office, chambers for the Registrar and President, a board room for council meetings and a well-equipped seminar hall and a pantry that can accommodate about 40 people. Thanks to the good dream and dedicated efforts of all the past presidents, members, registrars, and well-wishers and to the good support of the Government of Karnataka.

The main objective of the Karnataka State Pharmacy Council is to regulate the professional practice to ensure only qualified registered Pharmacists would enter the profession to provide service to the patient.

The prime responsibility of the Karnataka State Pharmacy Council is to grant registration to the eligible pharmacists and issue a registration certificate to the persons possessing requisite prescribed qualification as per the provisions of section 32(2) of the Pharmacy Act and to enforce the necessary provisions of the Pharmacy Act 1948.

The Karnataka State Pharmacy Council, Bangalore is unique in its activity and has been ahead with the time pace of technology.

Digitalization of KSPC Services

1. Started Mobile App 'KSPCDIC' - January 2018 (Download from Google Play store OR <http://bit.ly/2vtbwXL>)
2. Technology Enabled Registration Certificates with QR code, Micro Chip & Bar code since January 2017.
3. UV and QR enabled Identity Cards to all Registered Pharmacists since January 2017.
4. Started Online Registration for all the applications (fresh, transfer, additional, duplicate, change of name, good standing certificate, endorsement to foreign nationals) – January 2017
5. Started 'On-Line Renewal of Registration' - January 2013 (www.kspcdic.com/renewals)

Other Services

1. Started 'Online Webinars' from May 2020 for the practicing pharmacists.
2. Started 'Pharmadisha 2020' - An orientation program for 1st M. Pharmacy students - a collaborative project of KSPC through Rajiv Gandhi University of Health Sciences, Bengaluru which is an ongoing process.
3. Issued 'Best Student Gold Medal' award for B. Pharm and M. Pharm course through Rajiv Gandhi University of Health Sciences, Bengaluru - 2019.
4. Started 'Travel Grant' for Pharmacy teachers / Community Pharmacist / Hospital Pharmacist registered with KSPC to attend International Conference for paper or poster presentation - 2019.
5. Started 'Sponsorship' program for organizing a conference/seminar by Pharmacy Colleges for the professional development of Community/Hospital/Clinical Pharmacist - 2019
6. Started 'Scholarship' scheme for the legal heirs of Registered Pharmacists to pursue Pharmacy education - D.Pharm, B.Pharm, M.Pharm & Pharm D - October 2018.
7. Organized 'Inter-country Workshop on National Drug Information Services' for SARC countries under the sponsorship of WHO, India. (vide letter No. D7/48-23, SE/07/905252 & SE/07/015288 dated 01st May 2007).
8. 'Set up 5 Drug Information Centers' under WHO, India. (vide WHO letter No. WR/IND EDM 001/G SE/06/228423 dated 10th August 2006).
9. Consultant to the Health & FW Department, Govt. of Karnataka. (vide letter No. DLWP/5/2003-04 dated 25th August 2003)
10. Launched 'Continuing Pharmacy Education (CPE)' program for the pharmacist to update their knowledge and skill.
11. Conduct seminars, workshops and training programs to the pharmacists, healthcare professionals including doctors.
12. Launched a public awareness program on pharmacare and medication discipline through LED display unit to convey TIPS to the lay public.

Social Welfare Scheme:

'Karnataka Pharmacy Council Registered Pharmacist Welfare Trust established in the year 1999 is a social welfare scheme for the benefit of the family of the registered pharmacist with a concern on the welfare of the pharmacist and his/her family. To date, many families have been benefited from the scheme.

The scheme is extended to the ailing Registered pharmacists suffering from diseases such as Cancer, Kidney Failure, Bypass Surgery, etc., and other ailments of serious nature (in case the scheme is well responded by the members) as decided by the trust. For more detail visit www.kspcdic.com/krpwt.

Drug Information & Research Center (DIRC)

The Council started independent Drug Information Center in August 1997 and is providing unbiased drug information to healthcare professionals including students, professional pharmacists and medical practitioners.

The highlight of this service is that even the lay public too has been seeking information on various aspects of medication and to sort out their doubts and confusion. The DIRC is communicating the vital information on medicines through SMS, Facebook and through email to the Registered Pharmacists. This drug information service is provided free of cost to the doctors, pharmacists, students and the public. Launched a website exclusive for DIRC www.karnatakadruginfo.com

International Registry of Drug Information Service (IRDIS) - The KSPC is the first council in India to start the first Drug Information Center (DIC) independent of the hospital and got registered with the International Registry of Drug Information Service (IRDIS).

DIRC Newsletter - KSPC released the first issue of DIC Newsletter in October 1999. The eight-page bulletin carries information on the activities of drug information & rationale use of drugs, commonly asked enquiries, and invited articles from experts from healthcare—specifically pharmaceutical domain. The bulletin is designed for local use within the pharmacy and medical community. One page in every issue is dedicated to articles in Kannada. The DIC newsletter is a member of the International Society of Drug Bulletins (ISDB).

Publications

1. Handbook of PharmaSOS – 9th Edn.,
2. Drugs Usage in Special Population – Pregnancy & Lactation – 8th Edn.,
3. Drugs Usage in Special Population – Paediatrics & Geriatrics – 8th Edn.,
4. Tobacco Free Future-Choice is Yours – 6th Edn.,
5. 2 You from My Desk – 4th Edn.,

How to Avail the Drug Information Service:

Pass on your queries either over phone (080-46729800(100 lines) / 23383142 / 23404000) extn:7/8 or by mail: kspcdic@gmail.com or by post / courier to office address with your contact details.

The DIRC Pharmacist will call you back for any additional information required and the drug information will be passed on to you by e-mail / telecon.

This service is provided free of cost to the doctors, pharmacists, students and the public.

We can be reached at:

Karnataka State Pharmacy Council,
514/E, I Main, II Stage,
Vijayanagar, Bangalore – 560 104.

E-mails:

Administration & Accounts:
kspcblr@gmail.com

Registration & Renewals:

kspcreg@gmail.com

Website: www.kspcdic.com

Drug Information & Research Center (DIRC)

E-mails:

kspcdic@gmail.com (Drug Information enquiries)
kspconline@gmail.com (Continuing Pharmacy Education)

Website: www.karnatakadruginfo.com



By
SAMSON P. GEORGE,
Dy. Registrar cum
Drug Information Pharmacist,
DIC, KSPC.

FRIEDRICH SERTURNER

The Brilliant Mind behind Morphine's Discovery



The isolation of morphine in its pure form was the result of years of research and testing, occurring most prominently between the years 1803 and 1817. Towards the end of the 18th century, a brilliant pharmacist named Friedrich Wilhelm Adam Sertürner (1783–1841) transformed pharmaceutical chemistry into an acknowledged branch of science.

Friedrich Wilhelm Adam Sertürner (19 June 1783 – 20 February 1841) was a German pharmacist and a pioneer of alkaloid chemistry. He is best known for his discovery of morphine in 1804. Sertürner was the fourth of six children born to Joseph Simon Serdinner and Marie Therese Brockmann in Neuhaus, in North Rhine-Westphalia, Prussia (present-day Austria). His parents were in the service of the Paderborn prince, Friedrich Wilhelm. When the prince and his parents died in 1798, Sertürner was left with no means of support. At the tender age of 16, he enrolled as an apprentice to Mr. Cramer, a court apothecary in Paderborn.

At the age of twenty-one, Sertürner was the first to report on some results concerning the substance which was thought to be responsible as the “sleeping agent”. Through diligent research, Sertürner was the first to successfully isolate and extract morphine crystals from the tarry poppy seed juice. When his discovery remained unrecognised, Sertürner continued with his experiments and described the 'crystallisable' properties of the new substance (Principium somniferum) that was a weak base, soluble in acidic solutions. He called the isolated alkaloid "morphium" after the Greek God of dreams, Morpheus.

It was not only the first alkaloid to be extracted from opium, but the first alkaloid to be isolated from any plant. To confirm the hypnotic as well as the analgesic properties of morphine that were well-known to him since he had performed tests on rats and stray dogs. He published a comprehensive paper on its isolation, crystallization, crystal structure, and pharmacological properties. Since his discovery occurred almost 50 years before the invention of the hypodermic syringe, the drug had to be administered orally.

Interestingly, once, in the midst of a terrible toothache, Sertürner swallowed a small quantity of his salt and experienced tremendous relief. When he awoke hours later, he realised that this compound was safe for human consumption. By trial and error, through self-administration and dosing three young volunteers, he noticed that one-fourth grain (30 mg) of the drug induced a happy, light-headed sensation, the second dose caused drowsiness and excessive fatigue, while the third caused participants to become confused and somnolent. He suggested that 15 mg of the drug as the optimal dose.

As he could demonstrate the alkaline qualities of morphine, something absolutely new at that time, Sertürner became the co-founder and promoter of a new type of chemistry now known as alkaloid chemistry. He also disproved the prevailing notion that all medicinal plant substances were acidic in nature. When the term alkaloid was coined in 1818 by W Meissner and the suffix -ine applied to the group, morphium came to be known as morphine. His initiative led to the isolation of numerous other alkaloids such as codeine, quinine, strychnine, veratrine and emetine.

Serturmer's third publication titled, 'Ueber das Morphiumpulver als Hauptbestandteil des Opiums' (morphine as the main component of opium) was well received and recognised by the eminent French Chemist JL Gay-Lussac and also the German Mineralogical Society. This publication of his led to his work on morphine becoming more widely known and morphine became widely used. The Jena University awarded Serturmer an honorary doctor's degree in 1817. He received similar honours from universities at Marburg, Berlin, St. Petersburg, Batavia, Paris and Lisbon. In 1831, Serturmer received the Montyon prize from the Institute of France and the title 'Benefactor of Humanity' for his work in isolating morphine from opium.

Despite his limited education, Serturmer's efforts proved far-reaching. An autodidact, he accomplished his research with only sparse knowledge of the relevant literature and with the simplest equipment. Serturmer's discovery enabled physicians to prescribe morphine in regulated dosages for easing pain and also eliminated the dangers of overdose associated with raw poppy juice, which varied unpredictably in its concentration of morphine from one batch to another. It was only in 1925 that Sir Robert Robinson deduced the empirical formula of morphine and Marshall D. Gates, Jr. synthesised the drug in a laboratory in 1952.

Serturmer's interests and versatility extended beyond alkaloids is shown by his subsequent studies on the composition of corrosive alkalis and also by his views on the nature of cholera in 1831. He considered the disease to be caused by a living organism that could be eliminated with disinfectants and by boiling drinking water. He then turned his attention to improving the designs of firearms, bullets and other ammunition. He even managed to improve the designs of rear-loaded rifles and created a lead-antimony alloy for making bullets, meriting honours from the Hanoverian government.

Medical historians later attributed much greater importance to Serturmer's work, especially considering the handicaps he faced. The field of organic chemistry was barely developed during his lifetime. He accomplished his research with a sketchy medical background and with only the limited resources available to him as a pharmacist. It is a testament to his ingenuity and to his passion that he succeeded in creating the chemical reaction exactly as he had set out to do.

Friedrich Serturmer's willpower and determination to be a force of change despite his dire living circumstances, one of which included becoming an orphan at a young age, shows us how important it is to give our best and fight the odds that try to pull us down.

SRUTHI TURAGA
4thB.Pharm,
JSS College of Pharmacy, Mysuru



EVENTS AND ACTIVITIES

This month Karnataka Registered Pharmacist Association®, initiated multiple activities. It has always been working for the betterment of the human kind. KRPA does not only involve in serving pharmacy community but also takes at most care in contributing to the social community. In this regards KRPA on the occasion of World Environment Day in collaboration with Rotaract, Mysore on 14th June 2020. Around 25 saplings were planted at vijayanagar 3rd Stage Mysuru (behind Jayalakshmipuram police station). All the



members participated actively and contributed to the success. We were accompanied by Dr. T M Pramod Kumar, Principal- JSS College of Pharmacy, Mysuru, Dr. Md Salahuddin, Principal- Farooqia College of Pharmacy, Mysuru, Mr. Nagaraja, ADC, Circle-1, Mysuru, Vijayanagara Manju, G P Member, Vijayanagar Mysuru, Abhijith MS, DRR, Rotaract Mysore

Webinars: By the Pharmacist, To the Pharmacist, Of the Pharmacist

Karnataka Registered Pharmacist Association® invested its major time in educating the pharmacists through webinars. Around 4 webinars were conducted; each one had a unique message and motivation for the pharmacists.

Webinar on Importance of continuous learning by pharmacy professionals including community pharmacists was conducted on 22nd May 2020.

The list of eminent speakers included Dr. B Ramesh Principal & Dean, Adichunchungiri College of Pharmacy, B.G Nagara, Karnataka. The speaker emphasized the importance of continuous learning required for the practising pharmacists. Another speaker Dr. Krishnamurthy Bhat, Prof, Dept. quality assurance, COPS, Manipal. He mentioned the need of improving the quality of training the pharmacists. Webinar ended with the talk by Dr. Kartish Bopanna, an entrepreneur, spoke on the need of the pharmacy profession leading the healthcare. Mr. Sunil S Chiplunkar, Advisory Member KRPA and President KPRA Mr. Kaushik Devaraju moderated the sessions.

ADICHUNCHANGIRI UNIVERSITY
SRI ADICHUNCHANGIRI COLLEGE OF PHARMACY
KARNATAKA Regd. Pharmacists Association

present
AN INTERNATIONAL WEBINAR IN ENGLISH
Of the pharmacists, by the pharmacists and for the pharmacists!

Topic: Importance of continuous learning by pharmacy professionals including community pharmacists

AMAZING LINE UP OF SPEAKERS

Dr. B. Ramesh M Pharm PhD
Principal and Dean, Sri Adichunchungiri College of Pharmacy, Hassan
SUB-TOPIC: **EDUCATION 4.0 and opportunities for continuous learning**

Dr. Krishnamurthy Bhat M Pharm PhD
Prof., Department of Quality Assurance, College of Pharmaceutical Sciences, Manipal
SUB-TOPIC: **Quality and the learning attitude of pharmacy professionals including community and hospital pharmacists**

Dr. Krishnamurthy Bhat: THE FIRST PHARMACIST FROM INDIA TO GO ON AN OFFICIAL GOVT. OF INDIA SCIENTIFIC EXPEDITION TO ANTARCTICA

Dr. Krathish Bopanna M Pharm PhD DSc
• Entrepreneur, Thought leader, and Director on Boards of several companies
• SUB-TOPIC: Paradigm shift needed by pharma professionals to be a leader in the healthcare scenario

Added bonus: E-CERTIFICATE SHALL BE ISSUED TO ALL WHO ATTEND THE COMPLETE WEBINAR!
Moderator and co-speaker:
Mr. Sunil S. Chiplunkar M Pharm (Pharmacology) MBA (Marketing) PGDHRM (PhD) Advisory Member, KRPA
Vote of thanks:
Mr. Kaushik Devaraju M Pharm (PhD) President, KRPA
DATE: 22.5.2020 (Friday) TIME: 4:00 PM to 4:40 PM
LINK: <https://bit.ly/KRPAAdichunchangiri>

Collaborator: **Group Pharmaceuticals Ltd** healthy smiles matter

Oral hygiene
Hand hygiene

One more exclusive international webinar was conducted on 5th June 2020. Several VVIP speakers spoke on various topics. The main objective of the webinar was to educate and create awareness of various pharmacy professionals during the COVID-19 pandemic situation.

Speakers were expert officials from industry, community and academics. Mr. Manohar Shetty, Managing Director, Radha Medicals, Manipal, Mr. Sunil Attavar, President KDPMA, Bangalore, Dr. Girish Thunga, Assistant Professor, MCOPS, Manipal, Dr. K Nanda Kumar, Professor, MCOPS, Manipal and Dr. SurulivelRajan, Associate Professor, MCOPS, Manipal. Mr. Sunil S Chiplunkar, Advisory Member KRPA and President KPRA Mr. Kaushik Devaraju moderated the sessions.



Welcome to the

ICONIC INTERNATIONAL WEBINAR FEATURING VVIPs
of the pharmacists, by the pharmacists and for the pharmacists!

on 5th June, 2020, @ 4.00 pm - 4.40 pm

E-certificate will be provided to all registrant attendees staying till the end of webinar

SPEAKERS OF IMMENSE TALENT AND COMMITMENT:

Mr. Manohar Shetty Pharm Reg Pharmacist
Managing Director, Radha Medicals, (Udupi, Manipal and Mangalore)
a unit of Sai Radha Medicals Pvt Ltd
Topic: Pharmacy Business Modules in Pandemic Situation

Mr. Sunil Attavar
President, Karnataka Drugs and Pharmaceuticals Manufacturers Association (KDPMA), Bangalore
Topic: Pharma industry response and Covid 19

Dr. Girish Thunga M Pharm PhD
Assistant Professor- Selection Grade, Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manipal
Topic: Responsibility of Pharmacist Drug Dispensing

Dr. K. Nandakumar M Pharm PhD
Professor, Department of Pharmacology, Manipal College of Pharmaceutical Sciences, MAHE, Manipal
Topic: Soft skills required for patient counselling

Dr. Surulivel Rajan M Pharm PhD
Associate Professor, Department of Pharmacy Practice, Manipal College of Pharmaceutical Sciences, MAHE, Manipal
Topic: Contactless communication in Covid Era

Moderator and co-speaker
Sri. Sunil S Chiplunkar
M Pharm (Pharmacology) MBA (Marketing) PGD-IRM (PhD)
Advisory Member, KRPA

Closing remarks and vote of thanks:
Mr. Kaushik Devaraju
M Pharm (PhD)
President, KPRA

Link: <https://bit.ly/MANIPALKRPA>
(After registration with above link, you shall get attendee link for the webinar to your email ID)

Hosted by: College of Pharmaceutical Sciences, Manipal and Karnataka Registered Pharmacists Association (KRPA), Mysuru

Collaborator: Group Pharmaceuticals Ltd
healthy smiles matter

Welcome to the

THE INTERNATIONAL PUBLIC WEBINAR - ALL ARE WELCOME
Free webinar for the public...get latest updates on careers in pharmacy

CAREERS IN PHARMACY
on 13th June, 2020, @ 5.00 pm - 6.00 pm

EMINENT INTERNATIONAL SPEAKERS OF PHARMACY PROFESSION WILL UPDATE YOU ON THE CAREER PROSPECTS IN PHARMACY

OPENING REMARKS: **DR. NARAYANA SWAMY V B**
PRINCIPAL, R.R College of Pharmacy, BANGALORE

Dr. Mahesh Burande M Pharm (Pharmacology), Ph.D, D.B.M, M.D.B.A (Marketing) LL.B. MCOIT, FDA Approved in Tablet, Capsule and Toxicity Studies.
President 60th IPC Chandigarh 2017, Hon. Director, Institute of Pharmaceutical Education & Research, Pune, Hon. Director, Adbez Pharma consultancy Group.
Topic: Huge potential for youth to experience rewarding careers in pharmacy

Mr. Srinivas G M Pharm
highly experienced regulatory affairs leader with more than 27 years experience in industry and is a citizen of USA, he is with Zydus Cadila and shall speak to you from USA in this webinar.
Topic: International scope of a career in pharmaceutical industry

Mr. Sunil Attavar
President, Karnataka Drugs and Pharmaceuticals Manufacturers Association (KDPMA), Bangalore
Topic: Requirements of industry from YOU - the students

SUMMARY REMARKS: **Prof. Raveendra. R** M Pharm
Chairman, Education division, IPA KARNATAKA STATE BRANCH, and Prof., R.R.College of Pharmacy, Bangalore

Moderator and co-speaker
Sri. Sunil S Chiplunkar
M Pharm (Pharmacology) MDA (Marketing) PGD-IRM (PhD)
Registered Pharmacist

Closing remarks and vote of thanks:
Mr. Kaushik Devaraju
M Pharm (PhD)
President, KPRA

Link: <https://bit.ly/CAREERSPHARMACY>

Collaborator: Group Pharmaceuticals Ltd
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Another international webinar was conducted on 13th June 2020. Webinar was focused on career prospects in pharmacy.

The speakers were Dr. Mahesh Burande, Hon Director, IPER, Pune, Mr. Srinivas G, Leader in Regulatory Affairs, ZydusCadila and Mr. Sunil Attavar, President KDPMA, Bangalore. Final remarks was given by Prof. Raveendra R, Chairman, Education Div. IPA Karnataka State Branch.

Mr. Sunil S Chiplunkar, Advisory Member KRPA and President KPRA Mr. Kaushik Devaraju moderated the sessions and also presented the closing remarks.

Aspiring candidates who are seeking job opportunities in abroad were able take the advantage by listening the webinar conducted on 19th June 2020. This webinar showcased the international career opportunities in the field of pharmacy. Speakers from manipal, Dr. Anup Naha, facilitator for the international collaboration and student exchange programme of COPS Manipal, Dr. Vishal Kumar Gupta, Deputy Director (Academic), JSS AHER, Mysuru, Mr. Prashanth Janakiram, Pharmacist from Qatar, discussed the various opportunities available for pharmacy students internationally. Mr. Sunil S Chiplunkar, Advisory Member KRPA and President KPRA Mr. Kaushik Devaraju moderated the sessions and also presented the closing remarks.

Welcome to

THE INTERNATIONAL PUBLIC & PHARMACIST WEBINAR - ALL ARE WELCOME
Free webinar for the public AND pharmacists...get latest updates!

Topic: INTERNATIONAL CAREERS IN PHARMACY (INCLUDING community pharmacy, hospital pharmacy and pharmaceutical industry)

DATE: 19.6.2020 (Friday) TIME: 4.00 PM to 4.45 PM
LINK: <https://bit.ly/INTERNATIONALPHARMACIST> PLEASE CLICK ON THIS LINK FOR REGISTRATION - AFTER THAT YOU WILL GET ANOTHER LINK IN YOUR EMAIL... YOU HAVE TO CLICK THIS SECOND LINK IN EMAIL TO ATTEND THE WEBINAR!

Of the pharmacist, by the pharmacist and for the pharmacist

HOST
Karnataka Regd. Pharmacists Association

Dr. T M A Pai Gold Medalist for University Topper in B Pharm

SPEAKER 1: Dr. Anup Naha M Pharm PhD MBA
Facilitator for the International Collaborations and Student Exchange programme of MCOPS, Manipal
Associate Professor, Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences (MCOPS)

SPEAKER 2: Dr Vishal Kumar Gupta M Pharm PhD
Co-ordinator of the internationalization and collaborative efforts at JSSAHER, Mysuru
Deputy Director (Academics), JSS Academy of Higher Education & Research, Mysuru; and Professor, Dept. of Pharmaceutics, JSS College of Pharmacy, Mysuru

FROM QATAR

SPEAKER 3: Mr. Prashanth Janakiram M Pharm
A highly accomplished hard working pharmacist with about three decades work experience will talk to you from Qatar : **BANK STUDENT THROUGH OUT HIS B PHARM AND M PHARM STUDENT LIFE... HE WILL GIVE PRACTICAL INSIGHTS!**

E-CERTIFICATE WILL BE ISSUED TO ALL WHO REMAIN TILL END OF WEBINAR

Moderator and co-speaker:
Mr. Sunil S Chiplunkar, M Pharm (Pharmacology) MBA (Marketing) PGDHRM (PhD)
Advisory Member, KRPA, Bangalore

CLOSING REMARKS AND VOTE OF THANKS: **Dr. Kaushik Devaraju** M Pharm PhD, President, KRPA, Bangalore

Collaborator: Group Pharmaceuticals Ltd
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Oral hygiene Hand hygiene

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**AN ONLINE NATIONAL WORKSHOP ON
"CRITICAL APPRAISAL OF BIOMEDICAL -
LITERATURE IN CLINICAL PHARMACY"**

On 20th June, 2020
Workshop Patrons

Dr. R. Srinivas (President, CHIPS & NES), Dr. C. N. Srinivas (Secretary & Correspondent, CHIPS), Dr. T. V. Narayana (President, IPA), Mr. Sunil Chiplankur (Vice President - Business Development, Group Pharmaceuticals), Dr. Kaushik Devaraju (President, KRPA, Mysuru)

Workshop Conveners
Dr. S. Vidyadhara, Chairman, IPA, Education Division, Principal, CHIPS
Dr. A. Pramod Kumar, Associate Professor, Dept. Pharmacy Practice, CHIPS

KRPA Collaborated with Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur and conducted a webinar with academic experts on the topic "Online workshop on critical appraisal of biomedical literature in clinical pharmacy". CHIPS management, IPA, faculty of CHIPS and KRPA coordinated the workshop well. Speakers from different renewed academic institutions and appraised the learners on different topics of evaluating the literature. Dr. Krishna Undela, Faculty JSSCP, JSS AHER, Mysuru, Dr. Priyank Tripathi, Clinical Pharmacist, HCG Hospital, Bangalore, Dr. Kapil Gudala, Senior Health Economist, Novartis, Hyderabad and Dr.S.Sriram, Professor, Sri Ramakrishna Institute of Paramedical Science, Coimbatore elaborated the theme of the webinar with professional standard.

All the webinars were accepted very well by the participants, more 2500 participants took part in the webinars conducted. The efforts of bring together the experts from different field, recognising their specialization indeed added colour.

**AN ONLINE NATIONAL WORKSHOP ON
"CRITICAL APPRAISAL OF BIOMEDICAL - LITERATURE IN CLINICAL PHARMACY"**

20th June, 2020
Sessions Schedule

Session	Time	Speaker
Opening Remarks	10:00 a.m. to 10:30 a.m.	CHIPS
Literature is Piling Up – Are We Equipped with Effective Literature Search?	10:30 a.m. to 11:30 a.m.	Dr. Krishna Undela, Faculty, JSS College of Pharmacy, Mysuru
Case Studies on Literature Search – Hands-on Session	11:30 a.m. to 12:30 p.m.	
Use of Literature to A Practicing Pharmacist	02:00 p.m. to 02:30 p.m.	Dr. Priyank Tripathi, Chief Clinical Pharmacist HCG Hospital, Bangalore
Critical Appraisal of Literature – As a Judgmental Tool for Clinical Research	02:30 p.m. to 03:30 p.m.	Dr. Kapil Gudala, Senior Health Economist, Novartis Ltd. Hyderabad
Case Studies On Critical Appraisal – Hands-on Session	03:30 p.m. to 04:30 p.m.	
Moderator	All Sessions	Dr. S. Sriram, Professor, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore
Closing Remarks	04:30 p.m. to 05:00 p.m.	CHIPS

*INTERESTED PARTICIPANTS ARE REQUESTED TO ATTEND WORKSHOP WITH INTERNET CONNECTED LAPTOP/DESKTOP FOR A BETTER LEARNING EXPERIENCE

PARTICIPANTS NEED TO REGISTER SEPARATELY FOR EACH SESSION.
Registration Link: Forenoon Session - <https://bit.ly/CHIPSLITERATURE>
Afternoon Session - <https://bit.ly/CHIPSLITERATUREPart2>

Organizing Team (CHIPS)
Dr. R. Hari Babu, Dr. M. Raghava Kalyan, Mr. N. Venkata Deepak, Dr. N. Bhargav Kumar, Dr. V. Sudha Lakshmi

Register in both links
E-certificate will be provided to participants registered for both sessions

Individual contributions

Ms. Shilpa Palaksha, Assistant Professor, JSSCP, JSS AHER and Dr. Srikanth, Faculty, JSSCP, JSS AHER contributed in conducting and being resource persons at the webinar conducted for practicing pharmacist on topics such as "Roles and responsibilities of pharmacist in COVID-19" and "Experiences of practicing pharmacist during COVID: Global scenario". KRPA appreciates their contribution.

Appreciation By both Professional and Social Media

The efforts of KRPA was well appreciated and supported by the professional media publishers and social media publishers. They published the good work of the KRPA Association in order to acknowledge, encourage and support the contribution to both professional and social community. We members of KRPA thank whole heartedly to our print media.

Home > News

you can get e-magazine links on WhatsApp. Click here

Events

+ Font
- Resize

RR College of Pharmacy & KRPA to organize international webinar on Careers in Pharmacy on June 13

Our Bureau, Bengaluru

Friday, June 12, 2020, 12:40 Hrs [IST]

RR College of Pharmacy and Karnataka Registered Pharmacists Association (KRPA) is organizing an international public webinar on careers in pharmacy. This will be held on June 13 between 5 and 6 pm.

The event will have three speakers and will provide a peek into the job avenues in pharmacy. Dr Narayana Swamy VB, principal, RR College of Pharmacy, Bengaluru will open the session for discussion.

The first speaker is Dr Mahesh Burande, honorary director, Institute of Pharmaceutical Education and Research, Pune who will address the huge potential of the young students on the opportunities to pursue a rewarding career in pharmacy.

The second speaker is Srinivas G based out of the US and with experience in the area of regulatory affairs. His topic for discussion is the International Scope Career in a pharmaceutical industry.

The third speaker is Sunil Attavar, president, Karnataka Drugs and Pharmaceutical Manufacturers Association (KDPMA) on the requirements of industry from the pharmacy students.

Prof R Raveendra R, chairman, education division, IPA-Karnataka and professor, RR College of Pharmacy will summarize the session.

The moderator and co-speaker is Sunil S Chiplunkar, member Karnataka Registered Pharmacist Association. Kaushik Devaraju, president, Karnataka Registered Pharmacist Association will provide the closing remarks and vote of thanks. The event collaborator is Group Pharmaceuticals. The webinar can be accessed via: <http://bit.ly/Careerspharmacy>, said the organizer.

Speaking at a webinar organized by the Karnataka Registered Pharmacists Association (KRPA) and RR College of Pharmacy on Careers in Pharmacy, Attavar who spoke on 'Expectations from the Pharma Industry', said this COVID-19 pandemic makes it evident that the world is changing fast and so pharmacy students too must have the time and intention to stay tuned to the latest developments which has now transformed pharmaceutical and medical sciences. Technology has enabled not just remote production plant monitoring but brought in the convenience of teleconsultation and teleprescription to patients. Here, a pharmacist's presence in virtual mode is key as he is the critical component of the healthcare chain.

Delving on the huge potential for pharmacy candidates to pursue a rewarding career, Dr Mahesh Burande, honorary director, Institute of Pharmaceutical Education and Research, Pune, said that the world is looking at India which is a superpower in pharmaceuticals. Every third tablet prescribed globally is from India. This sector has shaped the success of pharma entrepreneurs like Sun Pharma., Zydus, Glenmark. Dr Reddys among others who have ensured that drugs manufactured from India are for the world. Therefore, the jobs avenues span the entire spectrum not merely conventional manufacture to marketing but across retail-wholesale outlets, repackaging of pharmaceuticals, medicinal plant cultivation, public test labs, pharma consultancy, contract and clinical research companies.

A career in pharmacy is promising and the industry recognizes knowledge and skill while fixing the remuneration. For those who are keen to pursue pharma entrepreneurship, the satisfaction lies not just in revenue generation but being an employment generator, said Dr Burande.

ಫಾರ್ಮಾಸಿಸ್ಟ್ ಸಂಘದಿಂದ ಪರಿಸರ ದಿನ



ಮೈಸೂರು, ಜೂ.14(ಆರ್ಕೆಬಿ)- ಕರ್ನಾಟಕ ನೋಂದಾಯಿತ ಫಾರ್ಮಾಸಿಸ್ಟ್‌ಗಳ ಸಂಘದ ಮೈಸೂರು ಘಟಕ ಮತ್ತು ರೋಟರಿಯನ್ ಮೈಸೂರು ಪರಿಸರ ದಿನದ ಅಂಗವಾಗಿ ಮೈಸೂರಿನ ವಿಜಯನಗರ 3ನೇ ಹಂತದ ಎ ಬ್ಲಾಕ್ ಉದ್ಯಾನವನದಲ್ಲಿ ವಿವಿಧ ಜಾತಿಯ 25ಕ್ಕೂ ಹೆಚ್ಚು ಗಿಡಗಳನ್ನು ನೆಡಲಾಯಿತು. ಹಿನಕಲ್ ಗ್ರಾಪಂ ಸದಸ್ಯ ವಿಜಯ ನಗರ ಮಂಜು ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಮಾತನಾಡಿ, ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ 5 ಸಾವಿರಕ್ಕೂ ಹೆಚ್ಚು ಗಿಡಗಳನ್ನು ನೆಡುವ ಗುರಿ ಇದೆ. ಸಸಿಗಳ ರಕ್ಷಣೆಗಾಗಿ ರಫುಲಾಲ್ ಅಂಡ್ ಕಂಪನಿಯ ರಾಫವನ್ ಟ್ರೀಗಾರ್ಡ್‌ಗಳನ್ನು ನೀಡಿದ್ದಾರೆ ಎಂದರು. ಫಾರ್ಮಾಸಿಸ್ಟ್‌ಗಳ ಸಂಘದ ರಾಜ್ಯ ಅಧ್ಯಕ್ಷ ಡಾ.ಕೌಶಿಕ್ ದೇವರಾಜು, ಡಾ.ಟಿ.ಎಂ.ಪ್ರಮೋದ್‌ಕುಮಾರ್, ಡಾ.ಎಂ.ಡಿ. ಸಲಾಹುದ್ದೀನ್, ಡಾ.ಅರುಣ್, ನಾಗರಾಜ್, ಸಂಜೀವ್‌ಕುಮಾರ್, ಅಭಿಜಿತ್ ಇದ್ದರು.

Quiz

I. Guess the pharmaceutical company with their logo's

Example



--- Lupin pharmaceuticals.



1



2



3



4



5

II. Guess the Pharma Entrepreneur and their company

Who was the visionary behind the pharmaceutical company that was initially started as a generic drug and active pharmaceutical ingredient manufacturing unit and named the company after his sons. The company that initially sold its products in India, Russia and Africa. By 2008 the company was recognised among the fifth biggest pharmaceutical company in India. The company that launched a drug during COVID-19 pandemic under a brand name Fabifly



Congratulations

to the winner of Third Edition

KRPA Quiz Competition

Mr. Sudarshan Murthy

III. Caption me



Prize Money is Sponsored by

Group Pharmaceuticals Ltd
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RULES

1. Correct answer for logo game section will be rewarded 1 point each (5 marks)
2. Each correct answer in Pharma Entrepreneur and their company carries 1 point each (2 marks)
3. Caption Me (Show case your Humour) (3 marks)
4. Answer of the quiz will be evaluated by panel of judges and their decision is final. (Max mark:10)
5. 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
6. The answer must be sent within 15th July 2020 to this Mail ID- krpaindia@gmail.com
A confirmation mail will be sent to you upon receiving your mail.

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THE CHANGE YOU WANT TO SEE

WAYS TO IMPROVE YOUR PHARMACIES EFFICIENCY!

Efficiency is a major priority in pharmacy settings. It's essential that pharmacies and the staff members who work in them have the ability and means to fill prescriptions efficiently without sacrificing the quality of service.

It's becoming increasingly difficult to maintain an efficient pharmacy in many businesses, yet it's more important than ever, particularly with healthcare reform and quality ratings making such a significant impact in the industry.

Pharmacy employees are being forced to consider the meeting of rigorous performance standards, cost-cutting, and an ever-increasing push by customers to have fast service.

The following are some easy ways pharmacies can work toward improving their overall level of efficiency, even the midst of major challenges.

Before a pharmacy can really know where inefficiencies exist, they need to do a full review of processes and workflows. Pharmacy staff may realize they're not operating at a peak level of efficiency, but they may not know what that's stemming from.

For example, they may see customer dissatisfaction, but without knowing the root cause of where that's coming from, it's difficult to alleviate the problem.

PERFORM AN AUDIT

When all of the pharmacists and technicians in a pharmacy are focusing on only the highest-level tasks their education or certification provides, then lower-level tasks can be dealt with either through entry-level employees or automation.

This ensures that things are moving along at the peak level of efficiency in a pharmacy when higher-level employees aren't spending their time on tasks that could be better completed either by another employee or with technology.

RELY ON AUTOMATION WHEN POSSIBLE

A pharmacy may already have standards in place for everything ranging from customer service to the disposal of expired medicines, but if employees aren't well-trained on these procedures they're essentially useless.

It's important for pharmacies to not only train new employees on standards, procedures, and protocols but also to regularly refresh that training even for long-term employees.

When everyone in the pharmacy is well aware of standardized procedures, it can remove a lot of the uncertainty and errors that lead to inefficiency.

FOCUS ON EMPLOYEE TRAINING

A big problem many pharmacies face is having too much or too little inventory. If some resources and time and attention can be put toward inventory on a regular basis, it can save a lot of time and difficulties in other areas.

It's important to maximize usage of inventory systems, and do regular checks to see what moves quickly and what tends to sit on the shelves.

That way, the drug can be ordered in a timely way, but the pharmacy doesn't have to stock it unnecessarily.

When pharmacies focus on efficiency, the result is often a greater level of patient satisfaction for a better operational process.

FOCUS ON INVENTORY MANAGEMENT



NIKHIL S JAIN

Treasurer
KRPA Student forum

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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