



KARNATAKA REGISTERED PHARMACISTS ASSOCIATION ®

CH 51, 6th Main, 5th Cross, 1st Floor, Above Sri Krishna Bakery, Saraswathipuram, Mysuru-570009.
Ph: 9738366942 Web : www.krpaIndia.com Email : krpaIndia@gmail.com

Content

KRPA MONTHLY BULLETIN

1.Preface

a.Prof. M.P.BHAGAT

b.Dr. A. Pramod Kumar

2.Convalescent Plasma Therapy - Dr.P.K.Sreekumar

3.Zoonotic Infections and Phagomania - Mr. Sunil Chiplunkar

4.Principle and Passion - Dr. Meena Purohit

5.Inspirational Pharmacist - Elizabeth Gooking Greenleaf by Ms. Akchara Sriram

6.Events and Activities

7.QUIZ

8.The Change you want to see - Mohammad Aqil N B

Editorial Board

Mrs. Shilpa Palaksha

Dr. Chandni Saha

Mr. Balaji S

Ms. Shifa Taj

Ms. Bhagyashree N

Mr. Santhosh Raj R K

PREFACE

At first I should congratulate KRPA Mysuru for creating awareness among Pharmacists through Monthly Bulletin. As senior pharmacist, I suggest all to update their rights & duties as per PHARMACY ACT, 1948. Being faculty pharmacist, we should provide best teaching for the students by finishing total syllabus as per norms which should be more helpful in different sectors of their daily life in future. In present COVID-19 PANDEMIC Pharmacists should create confidence among employers so that their future is safeguarded. Community Pharmacists should dispense medicines with patient counselling in way of reflecting their importance among patients in the society. Clinical Pharmacists should complete their internship with dedication so that the patients get benefited. All senior pharmacists working in DCD, institutions, industries, hospitals should have awareness for pending vacancies for all types of jobs private or government level. Such vacancies should be filled up in time in

way of providing jobs for junior pharmacists. Pharmacists should also think for Self-employment by opening Polypharmacies /Small scale industries and in return they can provide employment to young pharmacists. I request all Pharmacists to have membership with KRPA, so that the general problems can be solved by with higher concerning authorities without any difficulty. Finally I wish KRPA, Mysuru members to have a good future in their daily life.



Dr. M.P.BHAGAT

M.Pharm(B.H.U.) Ph.D.
VICE PRINCIPAL & PROFESSOR
FCP, MYSURU



Dr. A. Pramod Kumar
M.Pharm, Ph.D., PG Dip PV
Associate Professor

Chebrolu Hanumaiah
Institute of Pharmaceutical Sciences
Guntur, Andhra Pradesh

"We are seeing an interesting convergence of technology, medicine and social issues". - John Nosta (Digital Health Philosopher)

Advanced healthcare technology has improved the quality of life and increased the lifespan of mankind. Applying advanced information technology on the healthcare related data helps in optimizing therapeutic benefit for specific strata of patients. In recent times, there has been a gradual paradigm shift from traditional medicine to personalised medicine as a result of the vast increase in scientific knowledge and its applications.

The whole nation is ready to receive the services of healthcare professionals (especially the pharmacist's) with the aim to achieve nationwide health coverage because pharmacists have the capacity and expertise on medicines for its rational use. The role of pharmacists is very pivotal to build confidence in the community at a faster and effective pace, with collaboration across multiple stakeholders. Pharmacists can help this nation address some of its healthcare challenges during this pandemic condition and establish a meaningful role as a part of Indian healthcare professional teams.

It is our responsibility to provide the next generation with the right path to achieve these goals. Though positive changes are happening in the profession of pharmacy all throughout the country, it is not up to the rate at which the pharmacist intends to or at the rate that is needed to improve patient safety. It is the responsibility of all pharmacists to transform and advance the profession to improve the health of our patients and the nation. It is the duty of the pharmacist to be abreast of current advancements in the field of pharmaceutical sciences along with the healthcare technology. Hence, a well-equipped pharmacist in this way can impart better pharmaceutical care.

Herewith I appreciate the efforts of Karnataka Registered Pharmacists Association for promoting the awareness on safe usage of medicines among the common public and for conducting many informative E-seminars/webinars for all the healthcare professionals in this challenging situation. I wish all pharmacists will work together in uplifting the profession and will take part in building a healthy nation.



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

KILLS
99.9% GERMS

Contact: ipsugandhi@grouppharma.in
or WhatsApp to: 77609 12222.
Visit us: www.grouppharma.com



CONVALESCENT PLASMA THERAPY

Introduction

According to recent statistics (as on 27th July 2020), SARS-CoV-2 virus-induced corona virus disease 2019 (COVID-19) has infected 16,440,744 people across the globe, leading to 652,593 deaths. In India, the data (as on 27th July 2020) indicates 1,440,371 infections with 32,886 deaths. Effective treatment for COVID 19 is still not in our reach, researchers and health care professionals started looking into the possibility of an old method of fighting infectious disease and thus Convalescent Plasma Therapy finds importance in the possibility of controlling severity of COVID. 'Plasma' is a component of blood and 'Convalescence' denotes the gradual recovery of health and strength after illness or injury and in this context, it is the period in which the body recovers from a serious illness. The principle of the therapy is during convalescence, the rich antibodies in the plasma helps the patient to recover from illness by kick-starting the immune system to fight the infection. The treatment using plasma that is collected from patients who have recovered from an infection is called 'Convalescent Plasma Therapy'.

Clinical trial-Approval

Convalescent Plasma or passive antibody therapy was introduced in 1898. Trials with convalescent plasma have been used in cases of H1N1, influenza, SARS, Ebola but the effect is debatable. It has been used in many viral infections such as poliomyelitis, measles, mumps and influenza. The multi-centric, open-label, randomized control trial has been planned by various countries to assess the efficacy and safety of convalescent plasma collected from recovered COVID-19 patients. The U.S. FDA and India have thus approved the use of plasma from recovered COVID-19 patients only for trial purposes. Only large-scale controlled trials can ascertain its efficacy as part of the treatment strategy. The health ministry recently warned against its use, saying that plasma therapy has the potential to cause life-threatening complications and is at an experimental stage only.

The CDSCO (Central Drugs Standard Control Organisation) has given “no objection” to ICMR for the conducting the clinical trials subjected to certain amendments in the protocol and various conditions under the Drugs and Clinical Trial Rules 2019. On May 4, ICMR has approved 21 institutions in the PLACID trial which was registered with CTRI (Clinical Trial Registry of India). The study is also approved by the COVID-19 National Ethics Committee (CONEC). Its three feasibility studies found the therapy to be safe and effective against illness and clinical symptoms.

The essence of ICMR guidelines

- 1) Patients with moderate COVID-19 illness would be randomly assigned to receive either convalescent plasma (226 participants) or only standard care (control group).
- 2) The primary outcome of the trial in hospitals would include prevention of illness from progressing to a severe form, and avoidance of deaths from all causes at 28 days after plasma infusion
- 3) The secondary outcome would include the resolution of symptoms, reduction in a hospital stay and respiratory support.
- 4) Plasma is to be collected from donors 28 days after they completely recover from the illness, symptom-free and have more than the required level of antibodies against the COVID 19. Molecular and other routine tests are also the requirements before the use of plasma.

The technique of separation and storage of plasma

Using standard apheresis technology, plasma (the liquid component of blood), containing antibodies, is separated from the blood of an individual who has fully recovered from the virus. This plasma can then be frozen and stored for up to 18 months.

Inclusion and exclusion criteria

Patients with RT-PCR confirmed COVID-19 illness at the age above 18 years whose pressure of oxygen in arterial blood (PaO₂)/ fraction of oxygen in the air being used for oxygenation (FiO₂): 200-300, respiratory Rate > 24/min and SaO₂ < 93% on room air also availability of matched donor plasma at the point of enrolment are the inclusion criteria which need to be met for initiating plasma therapy. The Plasma therapy cannot be used for pregnant or breastfeeding women, known hypersensitive persons to blood products and in the recipient of pooled immunoglobulin in the last 30 days. Patients participating in any other clinical trial and critically ill patients are also exempted.

Donor criteria

The donor criteria include minimum 18 years aged males or nulliparous female wt. > 55 Kg diagnosed and documented by RT-PCR with symptomatic disease with at least fever and cough and complete resolution of symptoms at least 28 days prior to donation or complete resolution of symptoms at least 14 days prior to donation and two negative RT PCR for COVID-19 – nasopharyngeal swab, 24 hours apart. Apart from this donor eligibility criteria for whole blood donation is applicable.

Standard transfusion of FFP should be followed with special care to monitor these patients during and post-24 hours of transfusion and all other essentials of transfusion are to be ensured.

Special care

Potential risks of Convalescent Plasma transfusions are safe and well tolerated by most patients. However, apart from some mild allergic reactions, some life-threatening complications like TRALI (Transfusion Related Acute Lung Injury), TACO (Transfusion Associated Circulatory Overload), Allergic/Anaphylactic reactions, TTI (Transfusion Related Transmission of Infections), FNHTR (febrile non-haemolytic transfusion reactions), HTR (Haemolytic Transfusion Reactions) and RBC allo-immunization (happens rarely), etc. are also to be addressed.

Challenges

The plasma intends to contain a certain level of antibodies for it to be effective in the treatment of a COVID-19 patient. The individual's response to the virus is varying. So, not all convalescent plasma from different donors can be considered to be equally effective. Finally, we still don't know what 'dose' of antibodies is required to treat a critically ill COVID-19 patient. Since the availability of convalescent plasma is limited, we need to carefully prioritize its use.

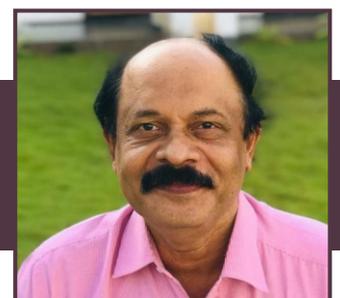
Present situation

The ICMR is doing clinical trials on convalescent plasma treatment across several hospitals in the country and is considered in patients with moderate disease who are not improving (oxygen requirement is progressively increasing) despite the use of steroids in them. Plasma therapy has been well-tolerated in most patients with a significant increase in neutralizing antibodies and disappearance of the virus in the blood within 7 days. The clinical symptoms also rapidly improved within 3 days.

Conclusion

In preliminary treatment, many people have benefited from convalescent plasma therapy. Researchers continue to evaluate the results of people who received the therapy. Still, to date, there is no robust scientific proof to support that plasma therapy can be used as a treatment for COVID-19, with large questions over dosage and timing of the treatment still unanswered. Donated convalescent plasma may be beneficial to patients with severe coronavirus disease 2019 (COVID-19) to boost their ability to fight the virus and hopefully we can conclude that the clinical trials can result to make the therapy fruitful for effective treatment of covid-19 patients.

Dr. P.K. Sreekumar. MPharm PhD
Deputy Drugs Controller (Rtd)
Kerala



ZOONOTIC INFECTIONS & PHAGOMANIA

Zoonotic infections are a challenge to humankind. These are infections that jump from the animal world to humans and vice versa. They pose a threat causing great morbidity and mortality. The entry of germs from non-humans to humans is due to the increased interference of humans in the animal world. For instance, passion to eat exotic meats including bushmeat like antelope, bats and various other wild animals, leads to the entry of unknown germs into the human body, causing new diseases. Pigs are said to harbor around 170 viruses with pandemic potential, including a virus called G4. Hence, researchers and technologists are learning to improve coping strategies to manage zoonotic infections.

PHAGOMANIA

The compulsive desire to eat is called phagomania. It includes a fetish to eat exotic meats, including wild animals. There is a great desire among the Chinese to eat wildlife meat. Post Wuhan COVID-19 (SARS-CoV-2) outbreak, a general crackdown on wildlife meat markets of China, has netted authorities a swathe of 40000 animals including squirrels, weasels and boars. The Wuhan non-veg wet food market sold live and slaughtered dogs, civet cats, bamboo rats, pangolins, bats and bears. Legally, Chinese traders sell dogs, donkeys, deer, crocodiles, and other such meat for consumption as food. Chinese wet markets feed on phagomania of people.

CHINESE WILDLIFE FARMING INDUSTRY

The vast Chinese wildlife farming industry is estimated to have 11 billion USD annual sales, and there are deep roots in the rural areas, where wildlife meat trading is their income. It is said, in Feb 2020, Chinese authorities closed down around 20,000 captive breeding farms. The various wildlife stocks in China are not only used as food, but also find application in TCM (Traditional Chinese Medicine). Chinese farm the wildlife for fur, scales, medicine, lab research and food.

WORM INFESTATIONS

The most common zoonotic infections are not just viral, they are the worm infestations: helminthiasis. Pork tapeworm larva infection of the brain is the no. 1 cause of adult-onset epilepsy as per WHO. Worm infestation of the brain is called neurocysticercosis. Similarly, infestations of dog tapeworm, in lung and abdominal organs like liver cause cystic hydatid disease. In fact, there can be generalized worm infestation across the body, in organs like the skin, legs and even eyes. An infestation of the eye is called ophthalmic cysticercosis. Hence, it is vital to practice food hygiene and deworming tablet therapy. The most popular anthelmintic is albendazole, a benzimidazole, which is a simple OD stat therapy, every 6 months, for regular deworming. Hence, in India every year February 10 and August 10 are observed as the National Deworming Day (NDD). The day aims at eradicating intestinal worms also known as Soil-Transmitted Helminths (STH), among children in the age group of 1-19 years.

BACTERIAL ZOONOTIC INFECTIONS

Bacteria are unicellular microbes (1 to 5 microns in size), they possess both cell wall and cell membrane; they are called prokaryotes as they do not have a nuclear membrane. Bacteria too cause several zoonotic diseases. As such, the word 'Zoonosis' (Pleural: Zoonoses) was introduced by Rudolf Virchow in 1880 to include collectively the diseases shared in nature by man and animals. Later WHO in 1959 defined that Zoonoses are "those diseases and infections which are naturally transmitted between vertebrate animals and man". Various bacteria that cause zoonotic infections include anthrax (*Bacillus anthracis*), Brucellosis (due to *Brucella* genus, including *Brucella canis*), bovine tuberculosis (*Mycobacterium bovis*), Listeriosis (*Listeria monocytogenes*), etc.

VIRAL ZOONOTIC INFECTIONS

Viruses are intracellular obligate parasites. They have a simple structure, an outer protein coat (capsid) containing DNA or RNA as genetic material. Viruses jump from animals to humans and vice versa. Nipah virus was transmitted from fruit bats via pigs to humans. Ebola virus was transmitted from bushmeat to humans. Both these do not have any drugs or vaccines. Breaking the chain of transmission was the only way the spread of these infections was controlled. The COVID-19 viral infection is due to the highly contagious SARS-CoV-2 that appears to have jumped from bats to pangolins and then to humans. The bat is said to harbour 1500 pathogens, its immune system is able to suppress the infection and thus it is a carrier not a sufferer of viral infections. The other well-known viruses are rabies virus, Chikungunya virus and Zika virus.

Physical distancing, hand and oral hygiene, boosting immunity, wearing mask to cover mouth and nose, jal neti, steam inhalation and eating properly cooked safe foods are important ways to prevent zoonotic infections.

STAY SAFE, EAT RIGHT AND STAY HEALTHY!



Mr. Sunil S Chiplunkar M Pharm (Pharmacology) MBA (Marketing) PGDHRM (PhD)
VP – Business Development, Group Pharmaceuticals, Bangalore,
Email: 1969sunilchiplunkar@gmail.com

PRINCIPLE & PASSION

Everyone has their own style of living life. Some lives are principle-driven life while some lives are passion-driven. Which style of living is good, principle or passion? To find an answer to this question let us first understand these concepts of living in depth.

Principle is a noun which means elementary basis of a system of thought or belief or behaviour or a chain of reasoning. Principle is like the eyesight without which the eyes are futile, life is dark. 'Honesty, loyalty, dedication, determination, humility, sincerity, spirituality, optimism, contentment, confidence, respect, self-motivation, punctuality and trust', these golden words are the fundamental principles of life. Each day of our life is like an experiment where these principles are needed to accomplish the experiment. A principle-less experiment fails and the report card is graced with grades of disappointment and regret. I strongly believe the words of Jawaharlal Nehru, "Failures come only when we forget our ideals and objectives and principles."

Passion is the energy of life. If the principle is the eyesight then passion is the vision. Extraordinary accomplishments in life are achieved only by passionate people. To make dreams real, passion is needed. A passion-driven person can cross all hurdles in his life and leave no stone unturned to achieve his goal. One's experience kindles the lamp of passion which never gets extinguish, it just escalates with time. Passion adds dynamic character to one's life and this is reflected so well in the words of Vincent Van Gogh, "I would rather die of passion than of boredom."

Principle and passion are two important aspects that define life. Passion is like a sword that can take the life of either a friend or a foe depending on who is guiding it. Principles direct passion to flow in the right direction to lighten life and conquer the darkness of failure. A war driven with principle and passion ends with glorified and virtuous victory. The amalgamation of principle and passion makes life alive. Read and follow the quote of Napoleon Bonaparte, "*Great ambition is the passion of a great character. Those endowed with it may perform very good or very bad acts. All depends on the principles which direct them.*"

Dr. Meena Purohit
Principal
D.R. Karigowda College of Pharmacy
and Secretary, Hassan Branch, KRPA



INSPIRATIONAL PHARMACIST

(November 11, 1681 – November 11, 1762)

APOTHECARY:

Term for a medical professional who formulates and dispenses medicine (drugs) to physicians, surgeons, and patients.

Elizabeth Gookin' was born in Cambridge, Massachusetts Colony in 1681, the daughter of Samuel and Mary Gooking. She married minister, physician, and apothecary Daniel Greenleaf (a Harvard graduate) in 1699. The couple had twelve children.

In 1727, Elizabeth moved to Boston to open an apothecary shop. Though this was a role which had been exclusively performed by men, Massachusetts did not have any laws in place to prevent women from practicing.

This made her the only woman among the 32 apothecaries working in New England at the time.

Later in 1727, Daniel moved to Boston to join her after resigning his post as pastor of the Congregational Church in Yarmouth.

They ran the shop together for several decades before her passing in the year 1762.



She was one of 17 women to be honoured by the **American Pharmacists Association** in 2012, for "contributions to the profession and advancement of women in pharmacy."

**“WAS THE FIRST FEMALE
APOTHECARY IN THE
13 COLONIES.”**

Fondly known as 'The Mother of pharmacy', Elizabeth Gooking's work (as a pharmacist and entrepreneur) set a stage for the trailblazing success of female pharmacists today.



Ms. Akchara Sriram
4th B pharmacy
JSS College of Pharmacy
Mysuru

EVENTS AND ACTIVITIES

Karnataka Registered Pharmacists Association® (KRPA) in association with various Educational Institutions, Pharmaceutical Industries and Policy making organizations of India, framed various unique webinars to reach out to all health care professionals including pharmacists, clinicians, dentists and general public.

Webinar on “Pharma Technology Improves Patients Life” was organized on 26th June 2020 in association with Aditya Bangalore Institute of Pharmaceutical Sciences for the benefit of pharmacy fraternity. Dr. Suchitra S N, Principal In-charge, Aditya Bangalore Institute of Pharmaceutical Sciences gave the opening remarks. The speakers were Dr K L K Paranjothi, Research director Aditya Bangalore Institute of Pharmaceutical Sciences; Dr S N Sriharsha, Principal & Research Director, Hillside College of Pharmacy, Bengaluru; Mr. Vishwaprasad Alva, Founder and MD of Skanray technologies, Mysuru (the ventilator saviour). The speakers explained about the importance of technology in the better patient care. This event was moderated by Sri. Sunil S Chiplunkar, Advisory Committee Member, KRPA and Dr. Kaushik Devaraju, President, KRPA.

Karnataka Registered Pharmacists Association, Mysuru

Presents
THE INTERNATIONAL FREE PUBLIC AND PHARMACIST WEBINAR
ALL ARE WELCOME
 FREE WEBINAR SERIES for linkage and knowledge.

PHARMA TECHNOLOGY IMPROVES PATIENT'S LIFE

on 26th June, 2020, @ 4.00 pm - 4.45 pm

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

Speakers

Dr. K L K Paranjothi M Pharm PhD
 a senior and distinguished pharmacist: Research Director, Aditya Bangalore Institute of Pharmacy Education and Research, Bangalore, pharma mentor and pharma consultant in technology (speaker, scientist, ANDA expert, nutraceutical expert and holder of 5 patents)

Dr. S N Sriharsha M Pharm PhD
 Principal & Director Research, Hillside College of Pharmacy, Bangalore and Director in pharma companies (pharma technology consultant, expertise in regulatory and pharma export, speaker, scientist and academician)

Mr. Vishwaprasad Alva
 THE MOST FETED ENTREPRENEUR
 Founder and MD, Skanray technologies; Mysuru (the ventilator saviour)

Opening remarks:
Dr. Suchitra M Pharm PhD
 Principal incharge, Aditya Bangalore Institute of Pharmacy Education and Research (ABI PER), Bangalore

Moderator and co-speaker
Sri. 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

Link: <https://bit.ly/PHARMA TECHNOLOGY>
 Click on above link to register (you have to give your email id for registration).
 After registration, you will get the webinar attendee link to your email id. Use that to attend this webinar - come without fail!

HOST: Karnataka Registered Pharmacists Association, Mysuru

Collaborator: Group Pharmaceuticals Ltd
 healthy smiles matter

Karnataka Registered Pharmacists Association, Mysuru

Presents
A THUNDERING WEBINAR FOR THE PUBLIC AND PHARMACISTS!
 Welcome to a webinar open to all members of PUBLIC and pharmacists!

PHARMACEUTICAL MARKETING AND PHARMACISTS

on 3rd July, 2020, @ 4.00 pm - 4.45 pm

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

Speakers

Prof. Prakash Mallya B Pharm MS (USA)
 Marketer – Regulatory Affairs specialist – Academician
 Currently the Director, Krupanidhi College of Pharmacy, Bangalore
HE IS THE MASTER MARKETER BEHIND ICONIC BRANDS OF INDIA SUCH AS OMEZ, ENAM and several other brands
 As REGULATORY AFFAIRS Head, Prof. Mallya submitted first 5 ANDAs to USFDA and several Product Dossiers to ROW (Rest of World)

Mr. T K Thulasibabu B.Sc.
 A 74 year 'young' pharmaceutical marketer who has immense work experience, Passionate about training, knowledge sharing, and a dedicated motivational speaker. Winner of Global Rex Karmaveer Chakra award (this award is given in partnership with United Nations by ICONGO a NGO confederation) Mr. Thulasibabu is a rare pharma professional to have won the award

Moderator and co-speaker
Sri. 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

Link: <https://bit.ly/PHARMAMARKETING>
 Click on above link to register (you have to give your email id for registration).
 After registration, you will get the webinar attendee link to your email id. Use that to attend this webinar - come without fail!

HOST: Karnataka Registered Pharmacists Association, Mysuru

Collaborator: Group Pharmaceuticals Ltd
 healthy smiles matter

On 3rd July 2020, KRPA organized a webinar on “Pharmaceutical Marketing and Pharmacists” for the benefit of pharmacists and public. The speakers of the webinar were Prof. Prakash Mallya, Director, Krupanidhi College of Pharmaceutical Sciences and Mr. T K Thulasibabu, Winner of Global Rex Karmaveer Chakra award. The speakers highlighted the ethics and principles of pharmaceutical marketing. Sri. Sunil S Chiplunkar, Advisory Committee Member, KRPA and Dr. Kaushik Devaraju, President, KRPA moderated the session.

Another webinar on “Importance and Impact of Pharmaceutical Technology on Healthcare” was organized in association with Karnataka R R group of Institutions, Bengaluru. Dr. V B Narayanaswamy, Principal, R R College of Pharmacy, Bengaluru welcomed the guests. The Opening remarks was given by Dr. B Suresh, President, Pharmacy Council of India and Pro-Chancellor, JSS AHER, Mysuru. In which Dr. B Suresh emphasized the importance of the pharmaceutical technology on healthcare. The international speaker of the webinar was Dr. Sai Krishna Gudi, Research Scholar, College of Pharmacy, University of Manitoba, Canada spoke on Telemedicine in the era of COVID-19. The national speaker Dr Arun Chand Roby, Asst. Professor, Narayana College of Pharmacy, Nellore, AP spoke on Impact of Pharmaceutical Technology on healthcare. The event was moderated by Sri. Sunil S Chiplunkar, Advisory Committee Member, KRPA and Dr. Koushik Devaraju, President, KRPA and Dr. Saritha Surapaneni, Faculty, Dept. Pharmacology, R R College of Pharmacy, rendered the closing remarks and vote of thanks. This webinar was coordinated by Ms. Deepika Pardhe, Faculty, Dept. Pharmacology, R R College of Pharmacy.

FREE INTERNATIONAL WEBINAR FOR PUBLIC AND PHARMACISTS!
IMPORTANCE AND IMPACT OF PHARMACEUTICAL TECHNOLOGY ON HEALTHCARE
 on 7th July, 2020, @ 5.30 pm
E-CERTIFICATE WILL BE ISSUED TO ALL WHO REMAIN TILL END OF WEBINAR

Welcome address: **Dr. V B Narayanaswamy** M Pharm PhD
Principal, R R College of Pharmacy, Bangalore.

Opening remarks by VVIP speaker: **Dr. B Suresh** M Pharm PhD DSc
President, Pharmacy Council of India, New Delhi.
Pro-Chancellor, JSS Academy of Higher Education and Research (JSSAHER), Mysuru.

International speaker: **Dr. Sai Krishna Gudi** B Pharm Pharm D MS (PhD)
Research Scholar, College of Pharmacy, Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Canada.
Topic: **Telemedicine in the era of Covid 19**

National speaker: **Dr. Arun Chand Roby** B Pharm Pharm D (PB)
Asst. Prof., Narayana College of Pharmacy, Nellore, AP.
Topic: **Importance and impact of pharmaceutical technology on healthcare**

Closing remarks: **Dr. Saritha Surapaneni** M Pharm PhD
Department of Pharmacology, R R College of Pharmacy, Bangalore.

Program co-ordinator: **Ms. Deepika Pardhe** M Pharm
Asst. Prof., Department of Pharmacology, R R College of Pharmacy, Bangalore

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

Vote of thanks: **Dr. Koushik Devaraju** M Pharm PhD
President, KRPA

Link: <https://bit.ly/PHARMATECHHEALTHCARE>
 Click on above link to register (you have to give your email id for registration).
 After registration, you will get the webinar attendees link to your email id. Use that to attend this webinar - come without fail!

HOST: Karnataka R R Group of Institutions, Mysuru. Collaborator: Group Pharmaceuticals Ltd. Health Partner: Dalip Pharma.

R R College of Pharmacy & KRPA
 Organizes **FREE Public Webinar**
INNOVATIVE STRATEGIES FOR PHARMACIST IN COVID-19
 Date : 13th July 2020 Time : 4-00 p.m.

Welcome Address: **Dr. Narayanaswamy V.B.**
Principal, RRCOP

Chief Guest: **Dr. T.V. Narayana**
President, IPA

Organizing Secretary: **Dr. Beulah Milton**
HOD and Professor, RRCOP

Eminent Speakers

Dr. M. Surulivel Rajan
Associate Professor
MCOPS, Manipal

Dr. Rajesh .V
Professor & HOD
SACCP, Mandya

Mr. Ravinandan A.P.
Assistant Professor
SSCOP, Tumkur

Moderator : **Sri. Sunil S. Chiplunkar**
Advisory Member, KRPA
Bengaluru

Vote of Thanks : **Dr. Srikanth M.S.**
Director, KRPA

Collaborator: Group Pharmaceuticals Ltd.

Programme Co-ordinator : **Ms. Nayana P. Kunderi**
Mr. Azad Moidul Islam
Dr. Shyam Nandan Yadav
Dept. of Pharmacy Practice,
RR College of Pharmacy

FREE Registration to register click on : <https://bit.ly/covidinpharmacistsstrategies>

E-certificate will be issued to those participants who attend the webinar and submit the feedback form

On 13th July 2020 KRPA in association with R R College of Pharmacy organized a webinar on Innovative Strategies for Pharmacists in COVID-19. The chief Guest of the webinar was Dr. T V Narayana, President, India Pharmaceutical Association. Dr. V B Narayanaswamy, Principal, R R College of Pharmacy, Bengaluru welcomed the guests. The speakers of the event were Dr. Surulivel Rajan, Associate Professor, MCOPS, Manipal, Dr. Rajesh V, Professor & HOD, SACCP, Mandya and Mr. Ravinandan A P Assistant Professor, SACCP, Mandya. The speakers of the event showcased the different innovative strategies that can be adopted by the pharmacists during COVID-19. Sri. Sunil S Chiplunkar, Advisory Committee Member, KRPA and Dr. M S Srikanth, Director, KRPA moderated the session.

An Exclusive webinar was conducted on “**Importance of Clinical Trials and COVID-19**” organized in association with India Society for Clinical Research. Dr. Gaurav Mathur, Chairperson, South Chapter Indian Society for Clinical Research welcomed the guest and participant. Dr. Arun D Bhat, Consultant Clinical Research and Development, ISCR briefed about the importance of clinical trials for the medications used in COVID-19 treatment. The event was moderated by Sri. Sunil S Chiplunkar, Advisory Committee Member, KRPA and Dr. Koushik Devaraju, President, KRPA.

Jointly present
FREE INTERNATIONAL PUBLIC AND PHARMACIST WEBINAR
 ALL ARE WELCOME
 FREE WEBINAR SERIES for linkage and knowledge.

IMPORTANCE OF CLINICAL TRIALS AND COVID-19
 on 17th July, 2020, @ 4.00 pm - 4.45 pm
E-CERTIFICATE WILL BE ISSUED TO ALL WHO REMAIN TILL END OF WEBINAR

Opening remarks:
Gaurav Mathur PhD
 Chairperson, South Chapter Indian Society for Clinical Research

Main Speaker:

Dr. Arun D Bhat MD (Med), FICP (India), FICR (UK)
 Consultant – Clinical Research and Development
 Dr Bhat has more than 150 publications in national and international journals. He runs a regular monthly column on “Good Clinical Practice - Question Answers” and has published a book “Clinical Trials and “Good Clinical Practice in India - Questions and Answers”. He has won several awards and has three decades of experience in this complex scientific field.

Moderator and co-speaker
Sri. Sunil S Chiplunkar
 M Pharm (Pharmacology) MEd (Marketing) PGD-IFM (PHD)
 Advisory Member, KRPA, Bangalore

Closing remarks and vote of thanks:
Dr. Koushik Devaraju
 M Pharm PhD,
 President, KRPA

Link: <https://bit.ly/clinicaltrials covid19>
 Click on above link to register (you have to give your email id for registration).
 After registration, you will get the webinar attendee link to your email id. Use that to attend this webinar - come without fail!

Collaborator: Group Pharmaceuticals Ltd
 Health under matter

Presented by
FREE INTERNATIONAL WEBINAR FOR DENTISTS, PHARMACISTS, MEDICAL DOCTORS, STUDENTS & PUBLIC !
THE GATEWAY OF COVID 19
 on 21st July, 2020, @ 4.00 pm
E-CERTIFICATE WILL BE ISSUED TO ALL WHO REMAIN TILL END OF WEBINAR

Dr. Prashanth S MSc BDS MDS
 Reader, Department of Paedodontics & Preventive Dentistry, JSS Dental College & Hospital, Mysuru

Dr. Avinash B S BDS MDS
 Reader, Department of Periodontology, JSS Dental College and Hospital, Mysuru

CLOSING REMARKS: **Ms Shilpa** M Pharm (PHD)
 KRPA, Mysuru

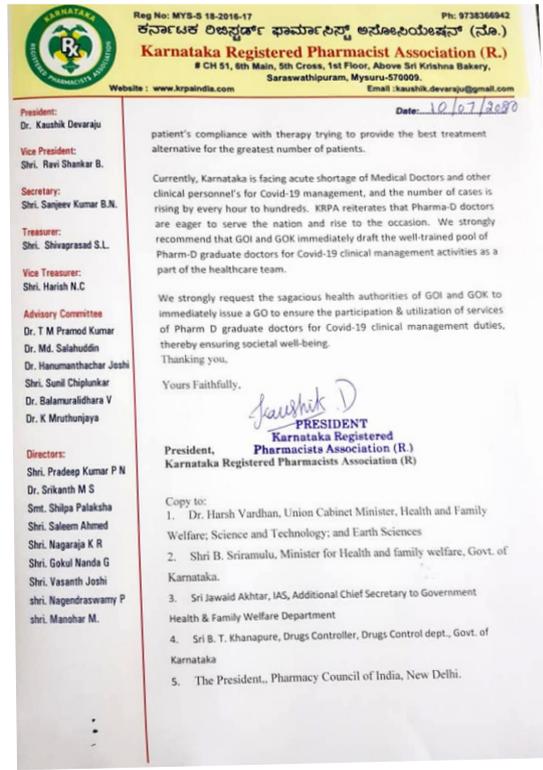
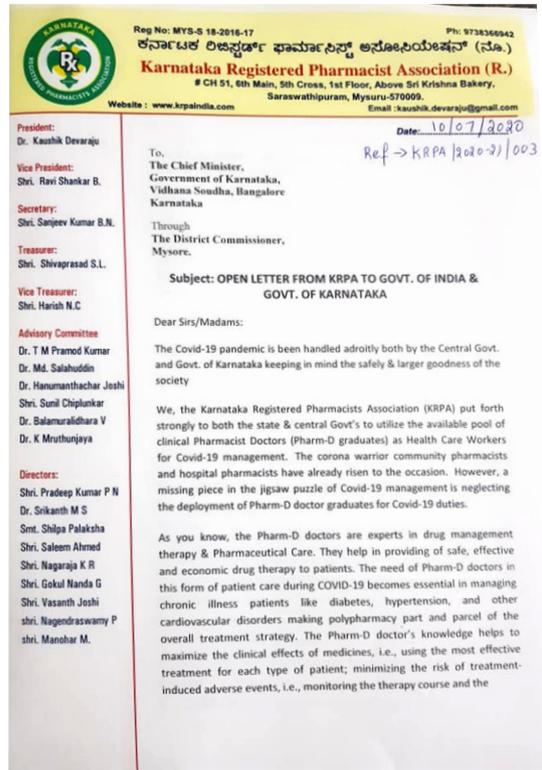
VOICE OF THANKS: **Mr Saleem Ahmed** M Pharm (PHD)
 KRPA, Mysuru

MODERATOR & CO-SPEAKER: **Sri. Sunil S Chiplunkar**
 M Pharm (Pharmacology) MEd (Marketing) PGD-IFM (PHD)
 Advisory Member, KRPA, Bangalore

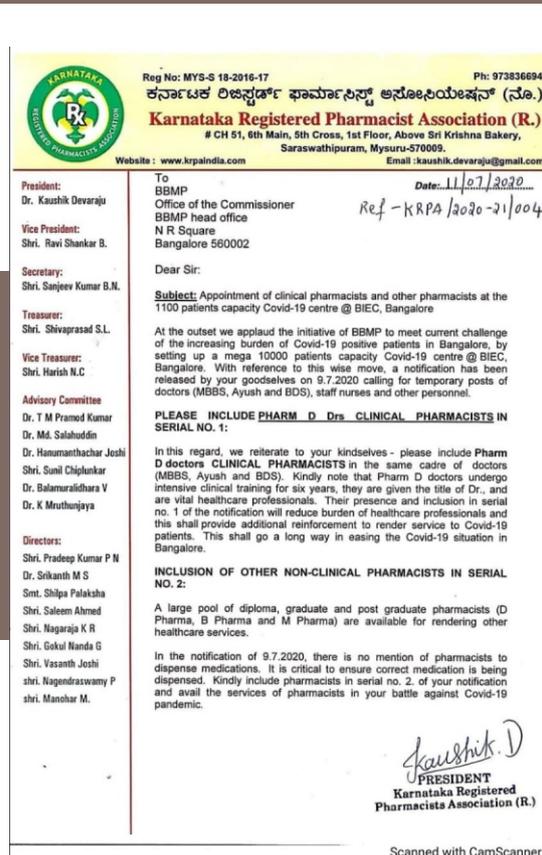
Link: <https://bit.ly/gatewayofcovid19>
 Click on above link to register (you have to give your email id for registration).
 After registration, you will get the webinar attendee link to your email id. Use that to attend this webinar - come without fail!

Host: JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
 Mysuru

Collaborator: Group Pharmaceuticals Ltd
 Health under matter



KRPA has understood the need of the society, also responsibility as healthcare professional. To address the shortage of healthcare professionals for serving COVID-19 infected patients, on behalf of the pharma community, KRPA took the initiative to propose the inclusion of PharmD graduates to the team for serving the COVID-19 patients. As the need is immense and needs to be addressed immediately. KRPA urged to the state government through district commissioner of Mysuru.



Also, KRPA initiated utilization of D. Pharm & Pharm D graduates at BIEC centre in Bangalore. BBMP was requested and communication was done officially through the letter.

MEDIA COVERAGE

The efforts of KRPA initiated for the Pharm D graduates was well appreciated and the news regarding the initiated communication was covered in the professional newsletters.



PHARMABIZ.com
KARNATAKA REGISTERED PHARMACISTS ASSOCIATION

Home | Editorial | Services | Interview | Q&A | Chronicle/Specials | PharmaMart | ePharmal | Archives

Home > Top News
Pharmacy & Trade

KRPA asks state govt to rope in Pharm D graduates into the COVID-19 healthcare team

Nandita Vijay, Bengaluru
Saturday, July 11, 2020, 08:00 Hrs [IST]

The Karnataka Registered Pharmacists Association (KRPA) has urged the state government that it should immediately rope in the Pharm D graduates into the mainstream of the COVID-19 healthcare service protocol.

In this regard, the Association has communicated to the Karnataka Chief Minister through the Mysuru district commissioner to utilize the available pool of clinical pharmacists who are armed with the Pharm D qualification as healthcare workers to manage the COVID-19 patients along with the medical fraternity.

The corona warrior community pharmacists and hospital pharmacists have already risen to the occasion. However, a missing piece in the jigsaw puzzle of COVID-19 management is neglecting the deployment of Pharm D graduates for these duties, the Association stated in its communication to the government.

The COVID-19 pandemic is being handled adroitly both by the central and the state governments keeping in mind the safety and larger service to the society, said Kaushik Devaraju, president, KRPA.

The Pharm D personnel are experts in drug management therapy and pharmaceutical care. They help in providing of safe, effective and affordable drug therapy to patients. The need of Pharm D workforce for this kind of patient care during COVID-19 becomes essential in managing patients with chronic illness like diabetes, hypertension and other cardiovascular disorders making poly-pharmacy as a part and parcel of the overall treatment strategy, he added.

Moreover, the Pharm-D's know-how and proficiency will help to maximize the clinical affects of medicines. This is by way of recommending to the medical experts that using the most effective treatment for each type of patient would minimizing the risk of drug induced adverse reaction events. The Pharm-D personnel would also be engaged in closely monitoring the therapy course and the patient's compliance with treatment protocol by trying to provide the best treatment alternative for the increasing number of patients as seen in the recent weeks, pointed out Devaraju.

Currently, Karnataka is facing acute shortage of medical doctors and other clinical personnel for COVID-19 management. There has been an apprehension with the doubling of cases every hour to over hundreds who are diagnosed positive for the virus and admitted in hospitals. Here the Association reiterates that Pharma-D doctors are eager to serve the nation and rise to the occasion.

Currently, Karnataka is facing acute shortage of medical doctors and other clinical personnel for COVID-19 management. There has been an apprehension with the doubling of cases every hour to over hundreds who are diagnosed positive for the virus and admitted in hospitals. Here the Association reiterates that Pharma-D doctors are eager to serve the nation and rise to the occasion.

Therefore we strongly recommend that both the governments at the centre and the state need to include and utilise immediately the adequately trained pool of Pharm D graduates for COVID-19 clinical management activities as a part of the healthcare team, he said.

Hence we request the sagacious health authorities of both the government of India and the government of Karnataka to issue a government order (GO) in a time bound manner so as to ensure the participation and utilization of services of Pharm D workforce for COVID-19 clinical management duties, thereby ensuring societal well-being, said Devaraju.

Empowering Immunity

Future of Immune Nutrition

Rx **Mulmina**TM 200 ml
Tetra Pak Pack

Say hello to health...

Natural Immune Booster with Powerful Antioxidants

ORAC
ANTIOXIDANT
VALUE
3736/PACK



Immune booster

Potent Antioxidant

Provides 12 added
essential nutrients

Tasty nutritious way
for good health

Dose: 1 to 2 packs per day, for 15 days



JUGGAT PHARMA

(Pharma Division of Jagdale Industries Pvt.Ltd.)
No.782, 15th Cross, 1st Phase, JP Nagar,
Bengaluru-560 078

Tel: 1800 425 6939
Fax : 080-26636231
e-mail: mulmina@jagdale.com
Website www.jagdale.com

Laurie Buchanan, (Holistic health Practitioner, Transformational life coach, Speaker and Author) quotes that "Whatever you are not changing, you are choosing".

Over the past decade, Pharmacy practice has evolved considerably. The changes to Pharmacy practice have resulted from expanded roles, changes in patients' expectations, the introduction of new pharmacy practice models, and the development of new technologies in the drug-use process.

Pharmacy students are tomorrow's generation of pharmacists and it is important to adequately prepare them

for current and future changes in pharmacy practice, to enable them to build a vision of pharmacy practice and be active in the development of their profession.

Such exposure to pharmacy practice change starts during the undergraduate curriculum, with various teaching strategies and numerous contacts with different role models. Vision-building can also be reinforced throughout their careers through mentorship, participation in seminars or professional meetings, and readings.

Pharmacy profession

The role of today's pharmacist needs to be expanded to include pharmaceutical care concepts, making the pharmacist a health care professional rather than a drug seller in a commercial enterprise. The mission of the pharmacy practice is to provide medication as well as other health care products and services and to help people and the society to make the best use of them. It involves identifying, preventing, and resolving drug-related problems, as well as encouraging proper use of medication and general health promotion and education, thus helping in achieving a better therapeutic outcome, by their patient-focused interventions.

Pharmacists' responsibilities for providing rational use of medicine

The way drugs are procured, stored, distributed, and dispensed also the information given by the pharmacist/dispensers dictates the quality of their use, thus in terms influencing the rational use of medicines.

Pharmacy ethics

An analysis of pharmaceutical care in the light of ethics can help to formulate the pharmacists' responsibilities. Pharmacists should focus more on possible negative outcomes of pharmacotherapy. Monitoring the patient's medication, identification and prevention of possible adverse effects, medication surveillance, proper communication and information about the use of medicines should be prioritized.

Pharmaceutical care

The delivery of pharmaceutical care by the pharmacist is a hub around a process known as pharmacist's workup of drug therapy (PWDT), which starts by collecting relevant information of the patient, developing CORE pharmacotherapy plan, identifying PRIME pharmacotherapy problems of the patients, etc. Every region and country will have to come up with their model of practice while considering their local scenario, and identifying the clear steps and actions required for having a start so as to help their nations in improving their millennium development goals and commitments through pharmacists' contributions.

Evidence-based pharmacy

The basic principle of evidence-based practice is to make all practical decisions based on research studies, which are selected according to the specific standards of quantitative, qualitative, and theoretical studies.

There is a need to develop a curriculum that is sensitive to skill development in the area of evidence-based pharmacy.

Pharmacy education

Recently, it has been demonstrated that simulation centers for health professional schools may offer a novel method of teaching and evaluating health care processes at the micro level.

Point-of-Care Testing

Community pharmacies are already transitioning into neighbourhood health centers (NHCs). The expansion of point-of-care testing will allow NHCs to do more diagnostic work with focused treatments that will improve the quality and cost of care. NHCs will use more pharmacists in a clinical role.

Pharmacogenomics

A person's genetic makeup can affect how a drug works. As personalized medication management becomes more emphasized, pharmacists will have the opportunity to play an important role



MOHAMMAD AQIL N B

Pharm-D 6th year

Farooqia College of pharmacy

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.

Send your Articles, Suggestions, or Comments to
krpaindia@gmail.com
for the overall improvement of
KRPA Monthly Bulletin

For Business Advertisements
Contact

Kaushik Devaraju
+ 91 97383 66942

Sanjeev Kumar B N
+91 87478 44080

Are you a pharmacist yearning to EXPAND your network and explore the world of pharmacy? It's just one click away.

Scan QR Code to become a member of KRPA and enjoy the benefits.



<http://krpaindia.com/wp-content/uploads/2018/07/Pharma-Form-new.pdf>