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Indian Association
of Colleges of Pharmacy



JSS College of Pharmacy
Mysuru

JOINTLY PRESENTS

PHARMACY PRACTICE MODULE

Advanced Learning Series 7 - (Repeat)

"Oncology"

Date : 26th, 27th & 28th September, 2015

Venue : **JSS Hospital**

Mahathma Gandhi Road,
Mysuru - 570 004, Karnataka, India.



About the Organizers

JSS College of Pharmacy, Mysuru

A Thousand Years of Incubating Cures

Jagadguru Sri Dr. Shivarathri Rajendra Mahaswamijalavaru, the 23rd pontiff of Sri Suttur Veerasimhasana Math was the architect and founder president of JSS Mahavidyapeetha, which came into being in 1954.

With the divine inspiration of Sri Swamiji, JSS College of Pharmacy, Mysuru, a constituent college of JSS University, Mysuru was established in the year 1973. For more than four decades the college has been in the fore front of the Pharmacy education and profession and has always led the change in the regional and national level. JSS University, Mysuru is renowned for the quality of education provided by it and has been accredited as 'Grade A' by the National Assessment and Accreditation Council (NAAC). The university and the college with their world class infrastructure and distinguished faculty has attracted partners from within the country and outside. The number of International collaborations and the student and faculty exchange programs stand testimony of the same. The institution offers B. Pharm (4 years), Pharm. D (6 years), Pharm.D (PB) (3 years), M.Pharm (2 years) in twelve specializations and Ph.D. The college is recognized by Government of Karnataka and approved by Pharmacy Council of India (PCI), New Delhi and All India Council for Technical Education (AICTE), New Delhi. It is accredited to National Board of Accreditation (NBA), AICTE, New Delhi.

JSS College of Pharmacy is the pioneering institute in providing experiential education and training in the area of pharmacy practice. The Pharm.D program offered by the institute has been granted international certification by Accreditation Council for Pharmacy Education (ACPE), United States of America. Also it is the first institute in the country approved by the Pharmacy Council of India for training of teachers in pharmacy practice. The Department has contributed significantly to the Pharmacovigilance program of India (PvPI) and is identified as Southern Regional Centre for Training and Technical Support. The college is situated at Sri Shivarathreeswara Nagara on Mysore-Bangalore highway opposite to JSS institutions campus on a spacious area with lush green garden, cool weather, with spacious building with all educational facilities. The college is about 4 Kms from centre of Mysore, 140 Kms from Bangalore and is well connected by road, rail and air.

"The curricular philosophy aims to provide the students the comprehensive knowledge in fundamental and clinical sciences in a rational, integrated, and progressive manner, thus enabling graduates to be successful in the profession and provide quality pharmaceutical care to the society". This philosophy is in alignment with the mission and vision of JSS University and the colleges of pharmacy.



About the Indian Association of Colleges of Pharmacy

The Indian Association of Colleges of Pharmacy (IACP) registered under sec 10 of the Tamilnadu Societies Registration Act 1975 is a national organization whose mission is to serve its member colleges and their respective faculties, by acting as their advocate at the national level, by providing forums for interaction and exchange of information among its members, by recognizing outstanding performance among its member educators and by assisting member colleges and schools in meeting their mission of educating and training pharmacists and pharmaceutical scientists. The association provides leadership in advancing and enhancing the quality of Pharmacy education and training in its member colleges. IACP also understands that academic pharmacy plays an important role and shares responsibility with the broader profession of pharmacy.

IACP Pharmacy Practice Modules:

With the advent of the introduction of the Pharm. D. programme in India, Pharmacy educators and students faced challenges in comprehending this new facet of Pharmacy education and Profession. To strengthen these initiatives of the council and the educators, the Indian Association of the Colleges of Pharmacy (IACP) had come forward to provide leadership in this area by conducting advanced learning series in understanding and providing Quality Pharmacy Practice. The IACP has conducted nine such modules and intends to conduct ten or more such lecture series in the next three years jointly with various stakeholders.

THE FIRST Nine – Modules 1,2,3,4, 5, 6, 7, 8 AND 9 have been conducted successfully. Based on the appreciation and request from the Pharm.D students and faculty, the modules were quite often repeated in various parts of the country and now the IACP is pleased to present Pharmacy Practice – Advanced Learning Series – Module 7 (repeat) with a focus on “Oncology”

About the Programme:

Globally, pharmacy profession and education are undergoing unprecedented change as the role of the pharmacist as a provider of healthcare services is increasingly recognized, valued, and expanded. Many countries are, however, faced with critical shortages of pharmacy workforce and other healthcare professionals and workers. The World Health Organization has concluded that in many countries healthcare targets cannot be realized until capacity is built in the healthcare system.

A primary focus in this regard is the development of an adequate and appropriate healthcare workforce, along with the academic and institutional infrastructure to deliver the required competency-based education and training. Many countries are introducing, expanding, or undertaking major reform of pharmacy education. Such developments must be accompanied by robust systems to assure the quality of the educational structures, processes and outcomes; the latter primarily being graduates who are competent and capable of performing safely and effectively in their practice setting and contributing to the delivery of healthcare.

The Pharmacy Council of India is of firm opinion that introduction

of Pharm. D. programme with emphasis on clinical practice, is the need of the hour and is in line with the proclivity in Health care standards in this challenging scenario. The mission of Pharm. D. is to attune the relation between safe usage of medication and optimal health benefits. For this mission to be achieved we need caring, competent, ethical pharmacists who are able to think critically and creatively to identify and resolve the health and medication use problems by taking responsibilities for managing systems and practices that contribute to the design, implementation and monitoring of rational pharmacotherapy to effectuate the defined therapeutic goals with optimal safety and health outcomes.

With an intense intent to strengthen the professional competencies of Indian Pharmacists in healthcare delivery settings, Pharmacy Council of India (PCI) with the approval of the Ministry of Health and Family Welfare, Government of India has introduced six year Pharm. D. program in 2008 for entry level pharmacy students and a three year Post-Baccalaureate Pharm. D. for the working professionals with Bachelor of Pharmacy degrees through Pharm. D. Regulations, 2008 as notified in the Gazette of India.

Who should attend?

The programme is designed for advanced teaching and learning needs so as to understand the objectives underlying certain advanced topics in Pharm. D. Programme being offered in India. Pharm. D. programme was introduced in India in 2008 to meet the pharmacy practice requirements of the country in providing quality pharmaceutical care to the patients. Since its introduction, today more than 150 institutions across the country offer Pharm. D. programme. With the increasing number of challenges in learning and teaching methodologies this new facet of pharmacy profession in India is also no exception to it.

Speakers:

Prof. Krishna Kumar,

Department of Pharmaceutical Sciences, College of Pharmacy, Howard University, Washington, DC, USA.

Prof. Keith A. Hecht,

Department of Pharmacy Practice at Southern Illinois University Edwardsville (SIUE), IL, USA.

Dr. Regan M. Healy,

Malignant Hematology/Oncology Clinical Pharmacist Intermountain Blood/Marrow Transplant and Acute Leukemia Program LDS Hospital Salt Lake City, UT, USA

Organizing Committee:

Chairman

Prof. B. Suresh, Vice-Chancellor, JSS University, Mysore
President, Pharmacy Council of India, New Delhi.

Co-Chairman (Coordinator International):

Dr. Krishna Kumar,

Professor of Biopharmaceutics & Pharmacokinetics
Howard University, College of Pharmacy
Washington DC 20059

Co-Chairman (India)

Prof. K.Chinnaswamy, President,

Indian Association of Colleges of Pharmacy, Chennai.

Programme Committee:

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Dr. T.K. Ravi

Dr T.V. Narayana

Dr. B. Jayakar

Dr. M.D. Karvekar

Dr. M. Ramesh

Dr. H.G. Shivakumar

Dr. Y. Padmanabha Reddy

Dr. T. Jayapal Reddy

Local Organizing Committee:

Chairman

Dr. G. Parthasarathi

Principal

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Dean, Faculty of Pharmacy
JSS University, SS Nagara,
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Dr. Arun K. P.,

Assistant Professor
Dept. of Pharmacy Practice
JSS College of Pharmacy
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IACP - TRAINING MODULE VII repeat:

Medication Therapy Management (MTM)

Medication Therapy Management (MTM) Services were brought into the spotlight of US health care system, thanks in large part to the Medicare Modernization and Improvement Act of 2003. With this law, US largest payer of health care services, the United States Government, has recognized the importance of a set of services that are believed are best provided by the health care system's expert in medications, the Pharmacist.

Medication Therapy Management under the Medicare prescription drug benefit is certainly a major opportunity for pharmacists to receive payment for monitoring and improving medication use in patients with complex regimens. Yet, it is only one of many likely to arise as the health care system continues to see the benefit of appropriately managed medications.

Pharmacists, everywhere have a great opportunity to improve public health, especially among patients with multiple disease states and complex medication regimens, through better medication therapy management.

Day 1: 26th September, 2015

1. Therapeutic Drug Monitoring – Chemotherapeutic agents

- Check basic concepts
- Interface between physician and Clinical Pharmacist

2. Methotrexate

- Relationship between Target concentration and efficacy
- Concentration Dependent Pharmacokinetics
- Leucovorin Therapy and recommendations
- Case Studies

3. Carboplatin, 5-Fluorouracil, Busulfan, Imatinib

- Indications of use
- Formulations
- BSA, TCI, AUC
- Time to sample
- Therapeutic range
- Case studies

Day 2 & 3: 27th & 28th September, 2015

In these sessions students will learn about the clinical aspects of managing patients with cancer. Content of the sessions will include general background information on the development of cancer and the scope of the problem worldwide and locally, aspects of supportive care for the management of patients with cancer who experience toxicities such as nausea/vomiting, myelosuppression, and compromised bone health, and managements strategies for some of the most prevalent cancers, including prevention, screening and treatment of colorectal cancer, breast cancer, lung cancers, head and neck cancers, and cervical cancer.

Teaching strategies:

Participants will achieve course objectives through various methods of teaching and learning including didactic lecture, case scenarios, and other active learning strategies.

Day 2: 27th September, 2015

Objectives/Outline:

Recognize the cancer burden in India and understand the approach to managing patients with cancer (1.5 hours)

- Describe the scope of the impact cancer has worldwide
- Understand the general pathophysiology of the development of cancer
- Compare and contrast the roles of surgery, radiation therapy, and pharmacologic therapy in the treatment of cancer

Develop an appropriate treatment plan for the supportive care of patients with cancer (2.5 hours)

- Recommend prophylaxis and treatment for gastrointestinal toxicities such as chemotherapy-induced nausea/vomiting
- Establish a treatment plan for the use of hematopoietic growth factors for the prevention and treatment of hematologic toxicities of chemotherapy
- Identify appropriate management of bone health in patients with cancer

Recommend prevention, screening and treatment strategies for the management of cancers prevalent in the world

- Cervical cancer (1 hour)
- Head and neck cancers (1 hour)

Day 3: 28th September, 2015

Recommend prevention, screening and treatment strategies for the management of cancers prevalent in the world

- Colorectal cancer (2 hours)
- Breast cancer (2 hours)
- Lung cancer (2 hours)



ABOUT THE SPEAKERS:

Prof. Krishna Kumar, M. Pharm. Ph. D. MPS

Dr. Krishna Kumar is Professor of Biopharmaceutics and Pharmacokinetics at the College of Pharmacy, Howard University, Washington DC. His research interests include Nano-particles as intelligent tools for nano-medicine, use of these vehicles for delivery of anti cancer drugs and anti HIV drugs, formulation of dosage forms, bioavailability and bioequivalence, and population Pharmacokinetic modeling. Dr. Kumar recently served on Presidents Commission on Academic Renewal as a Commissioner. Dr. Kumar moved to Howard University from California where he helped start a new college of Pharmacy at the Western University of Health Sciences and served as the founding Associate Dean for Graduate Education and Scholarship. He serves as Pharmaceutical consultant to Pharmaceutical Industries in US, India and China on matters related to API characterization, formulation, pharmacokinetics, bioequivalence and bioavailability matters. He has also worked in West Africa, China and India as an educational consultant developing Pharmacy programs and preparing them for accreditation. Dr. Kumar has published widely on pharmacokinetics and drug delivery.

He earned his Ph.D. from the University of Otago, New Zealand and completed a post doctoral fellowship at the department of Surgery, University of Melbourne. He has held Academic positions in India, New Zealand, Australia and the US. Dr. Kumar is a native of Varanasi, India, where he completed his B. Pharm. and M. Pharm. Degrees from the Banaras Hindu University.



Professor Keith A. Hecht,

Dr. Keith Hecht is Associate Professor in the Department of Pharmacy Practice at Southern Illinois University Edwardsville, School of Pharmacy (SIUE). Dr. Hecht received his B.S. and Doctorate of Pharmacy degrees from St. Louis College of Pharmacy. Subsequently, he completed a pharmacy practice residency and an oncology specialty residency at the University of Kentucky Chandler Medical Center. His initial teaching position was at Roseman University of Health Sciences where he developed the oncology curriculum for the school of pharmacy. At SIUE he coordinates the oncology pharmacotherapeutics course as well as an elective course in advanced oncology.

In addition to his faculty appointment at SIUE, Dr. Hecht also provides clinical services in inpatient oncology at Mercy Hospital in St Louis, Missouri and serves on its Investigational Review Board. In his clinical practice he works with hospitalized cancer patients in their recovery from treatment as well as with new treatment selection and education.

Dr. Hecht has been a board certified oncology pharmacist since 2004. He has received numerous accolades and awards for his clinical and didactic teaching. He has published numerous chapters in pharmacy texts and regularly presents research in discipline specific professional meetings. Dr. Hecht is an active patient advocate in the fight against cancer and supporter of anti-cancer organizations.



Dr. Regan M. Healy,

Regan M. Healy, Pharm. D., BCOP, is an Advanced Clinical Pharmacist with the Intermountain Blood/Marrow Transplant and Acute Leukemia Program at LDS Hospital in Salt Lake City, Utah. Dr. Healy received his Doctorate of Pharmacy degree from Roseman University of Health Sciences College of Pharmacy. He then completed a pharmacy practice residency and a hematology/oncology specialty residency with Intermountain Healthcare. Within his clinical practice site he is actively involved with quality improvement of patient care processes and patient education. He is also involved with ongoing research with a focus in chemotherapy dosing in special populations, prevention/management of chemotherapy complications, and antibiotic usage in immunocompromised patients.

In addition to his position with the Blood/Marrow Transplant and Acute Leukemia Program, Dr. Healy currently holds an adjunct faculty appointment with Roseman University of Health Sciences College of Pharmacy. His teaching focus includes pharmacotherapy of hematology/oncology malignancies, supportive care and pain management. Dr. Healy has been a board certified oncology pharmacist (BCOP) since 2012.



REGISTRATION:

1. The duly filled registration form along with registration fee of **Rs. 5,000/- in the form of Demand Draft drawn in favour of IACP payable at Chennai** may be sent to the address given below.
2. Only registered delegates will be permitted to attend all the above lectures and have access to various resources in connection with the programme.
3. The registered delegates will be provided with the attendance certificate, course materials and delegate kit bag, besides refreshments during the business hours of the programme.
4. Accommodation will be arranged on request at Hotels on actual costs.
The interested delegates may **Contact: Dr. Justin Kurian**
Mobile: +91 74111 37840 E-mail: jk_kurian@yahoo.co.in

CONTACT DETAILS:

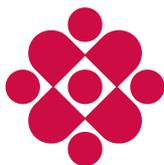
For more details about the programme please contact:

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Indian Association of Colleges of Pharmacy

for a better body of knowledge



For sending your registrations and other enquiries please contact

The Administrative officer

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