

Events at MCOPS

Quality Improvement Programme No. 3

The Third and Final AICTE-sponsored Quality Improvement Programme (QIP) took off on 1 July 2013. It was a two-week programme, which lasted until 13 July 2013. Teachers from pharmacy colleges around the country, particularly from Gujarat and Goa took part. The responsibility of co-ordinating the programmes rested with departments of pharmacy management, pharmacy practice and pharmaceutical quality assurance.

The theme: **Production to Prescription - Opportunities for Innovation**

1 and 4 July 2013: Department of Pharmacy Management (PM)

The first speaker Dr Manthan D Janodia (Associate Professor, PM) delivered a lecture on Intellectual Property Management. Later, Dr Anantha Nagappa Naik (Professor, PM) gave an overview of WHO Regulations for Bio-similars. The third lecture of the day was on "Fixed Dose Combinations – Boon or Bane." This was presented by Dr D Sreedhar (Associate Professor, PM). A general health check-up was conducted in the afternoon session for all the delegates of the programme.

Next day, 2 July 2013, Dr Somashekar Bhat spoke on "Advantages and Challenges in doing things at micor-scale". Later, Dr Virendra Ligade (Assistant Professor, PM) gave a presentation on "Cosmeceutical Products: Myths and Misconceptions". The last lecture of the day was delivered by Mr Pradeep Muragundi (Assistant Professor, PM) on "Role of Comparative Effectiveness Studies in Patient Centred Innovation". Afternoon session, results of the general check-up were told individually with participants and a general health tips were given.

The third, Mr Anil Tumkur spoke on "Medication Therapy Management", Dr Mukhyaprana Prabhu (Professor of Medicine, KMC) gave a detailed account on "Systemic Lupus Erythematosus". Later on the third day Mr Jayaprakash gave a presentation on Current Trends in Antimalarial Drug Discovery. Afternoon Dr Anantha Nagappa Naik discussed about Pharmaceutical Care.

Fourth day, Dr Rajendran (Head, Medical Affairs, Eris Life Sciences, Ahmedabad) delivered lecture on "Glivec and Indian Patent Law". Later, two sessions were engaged by Dr H G Joshi (Professor, MCIS) on Social Entrepreneurship. Afternoon Mr Pradeep Muragundi has discussed a few case studies on Pharmacoeconomics.

The Proceedings of all the sessions were conducted by Dr D Sreedhar, Associate Professor, Department of Pharmacy Management, MOPS.
(Report: **Dr. D Sreedhar**)

5- 8 July 2013: Department of Pharmacy Practice (PP)

The Department of Pharmacy Practice conducted three days program as a part of QIP program of MCOPS. On 5th of July, Dr.K.G. Rajendran of Eric Pharma delivered two lectures on the topics of Designer disease and Pharmaceutical innovations in the last 60 years. These lectures delved on the important aspects like the industry generated hype on some diseases to create market for their products. This topic gave the participants an insight into world of pharmaceutical industry. His presentations were appreciated by one and all. This was followed by the panel discussion. In the afternoon, Dr. K.G .Rajendran and Dr.M.K. Unnikrishnan presented case studies on drug discovery.

On 6th July the first lecture was delivered by Mr.R.Rajesh (Assistant Professor,PP)on the topic of pharmacovigilance. He presented the importance of pharmacovigilance, various methods of pharmacovigilance and various programs conducted around the world on pharmacovigilance. This lecture was followed by lecture on Patient information leaflets by Rajesh.V (Assistant Professor, PP). In this topic various components of patient information leaflets and the role of patient information leaflet in health care was discussed. This was followed by a lecture on drug information. This lecture gave an overview of drug information resources; methods for collecting and disseminating information are discussed in detail. In the afternoon there was hands-on-session with drug information resources. Participants got chance to work with drug information resources like MICROMEDEX and IDIS at the pharmacy practice department.

On 8th July the first lecture was on basic pharmacokinetics presented by Mr. Girish Thunga (Assistant Professor, PP). Participants got an idea on all pharmacokinetic parameters and method to calculate those parameters. The second lecture was on the drug development for cancer by Dr.K.S.R Pai (Professor of Pharmacology). This lecture gave an overview of various techniques of anti-cancer drug screening. This was followed by panel discussion. In the afternoon, participants were given hands-on-training in pharmacokinetics with software packages like WINONLIN. Participants appreciated the opportunity to work with pharmacokinetic software packages.

(Report: **Dr. Surulivel Rajan**)

9 – 11 July 2013: Department of Pharmaceutical Quality Assurance

On the first day (9th July), the session opened with a talk on "Good documentary practices - current perspectives and future prospects" by Mr. B.S.Muddukrishna (Asst. Professor, PQA). Mr. Muddukrishna elaborated on the importance of good documentary practices in producing quality medicines and explained the sojourn of documentation towards the newer electronic documentation. Next talk of the day was by Dr. P.C. Jagadish (Associate Prof, PQA) on "Recent advances in soft ionization techniques and mass analyzers". He talked at length about the various new ionizers and analyzers made available in recent past with their advantages, limitations, and specific applications. Last talk of the forenoon was by Dr. Sudheer Moorkoth, (Associate Prof, PQA) on "Infant food labeling - a mute story of solitude". Dr. Moorkoth in his presentation made a critical comparison of food labeling requirements of major countries of the world. He also discussed out the salient features of Indian regulations and suggested a few points to make it more robust and foolproof. The afternoon session was dedicated for the demonstration of sophisticated analytical instruments of the college.

On day 2, first talk was on the topic "When experiments travel" by Krishnamurthy Bhat, Professor in the department. He described the journey of clinical trials from academic set up to commercial CROs with emphasis on the impact of this journey on the quality and safety of drugs.

Next talk of the day was by Dr. S.G.Vasanthraju (Associate Prof, PQA) on "Drug repurposing - an over view". In this innovative topic Dr. Vasantharaju talked at length about finding of new indication for the existing drugs. He described the pros, cons regulatory and commercial implications of drug repurposing.

The session concluded with a talk on " Preventing Quality problems In Pharmaceutical Manufacturing" by Mr. S.T.Bhagawati (Research Scholar, PQA). Mr.Bhagawati talked about the ideal quality management system, components of the same and the implementation of these systems to produce quality medicine.

The afternoon was a packed and enthralling schedule in visit to Ecron Acunova – a CRO of Manipal Group and innovation centre-a sophisticated central instrument facility of MU.

Day 3 of the QIP started with a talk on "Good Clinical Practice" by Dr. Prashant B. Musmade, (Associate Prof, PQA). Dr. Prashant elaborated on the circumstances lead to the birth of GCP guidelines and the impact it had on clinical practices.

Next talk was by Mr. Syed Sajjad Hussein (Asst. Prof. Sr. Scale, PQA) on "Hatch Waxman Act 1984" where he deciphered the information on the act and its impact on Indian Pharma sector in bringing new drugs to the market.

Next talk was Mr. Swapnil J. Dingle on "Challenges in developing amorphous formulations". He discussed the scientific, experimental and commercial challenges in developing a new formulation of poorly water-soluble drugs in small crystals.

The day concluded with a visit to School of Life Sciences where the participants were exposed to the research work on large molecules.

(Report: **Dr. Krishnamurthy Bhat**)