

MICRO CME 2014

“Menace of Emerging and Re-emerging Microbes: An Overview”

15th February 2014

The CME was inaugurated by the **Chief Guest Dr S. K. Patil, Hon’able Vice-Chancellor**, Indra Gandhi Agriculture University, joined by **Guest of honour Dr. S. K. Tamer, Honourable Mayor**, Durg, **Director AIIMS Raipur Dr. Nitin M. Nagarkar, Dean Dr. S. P. Dhaneria**, Organising Chairperson **Dr. Arvind Neral**, HOD Microbiology Pt. J. N.M. Medical College Raipur and Organising Secretary **Dr. Anudita Bhargava** gracing the dais.

It started with brief introduction of the guests and their encouraging address to the audience. Lighting the lamps along with Saraswati vandana, presentation of flower bouquet and mementoes made the moments more auspicious and memorable. The eminent guest speakers had given their valuable talk over different aspects of emerging and re-emerging microbes as summarised below. The CME became colourful by number of posters prepared and presented by undergraduate (MBBS) students guided by faculty of other disciplines, junior and senior residents and other delegates. The session was followed by crossword puzzles and Microbiology quiz and valedictory function.

Details about Honourable Speakers and Scientific Session:-

Dr. T. D. Chugh, *National Emeritus Professor of Microbiology*

Topic - Emerging and Re-emerging Bacterial Pathogens

Dr. Chugh, one of the senior most Microbiologist of the country, brushed up our mind with the previous international thoughts regarding these emerging and re-emerging infections and justified the definitions attributed by WHO. He discussed different possibilities to improve patient care against such deadly infections. His enlightenment about some newer possibilities like “Genomic Encyclopaedia of microbes” and “Human Microbiome project” were really thought provoking and opened a new horizon for dealing with deadly microbes.

Dr. S. C. Parija, *MD, PhD, DSc, FRCPath,*

Dean, Research,

Jawaharlal Institute of Postgraduate Medical Education & Research, Pondicherry

Topic – Emerging and Re-emerging Parasitic pathogens

Dr. Parija justifiably stressed upon the opportunistic parasitic pathogens which are posing like fore coming threat with increase of immunocompromised state due to HIV infected patients and immune suppressive therapy in cancer patients. As an eminent parasitologist and Researcher he has really expressed his concern for development of drug resistance in these newly emerging parasites. He specifically talked about Plasmodium knowlesii and newer species of taenia. He also talked about the social factors attributing to the spread of these division & how they can be prevented.

Dr. Amita Jain, *Professor of Microbiology,*
King George's Medical University, Lucknow

Topic – Emerging and Re-emerging Arboviruses

Dr. Jain has enlisted all the emerging viral outbreaks of novel strains in recent past in our Indian scenario, she has given a bird's eye view over different environmental factors which directly or indirectly attributes towards emergence or re-emergence of existing infection in a fatal manner.

Dr. Jagdish Chander, *Professor & Head,*
Department of Microbiology,
Government Medical College Hospital, Sector 32, Chandigarh

Topic – Emerging and Re-emerging fungal pathogens

With all the emerging and re-emerging pathogens, the epidemiology of fungal pathogen is also on a rising trend as noticed by our eminent mycologist, Dr. Chander. According to him, yeasts other than *Candida* and moulds other than *Aspergillus fumigatus* has emerged as significant cause of invasive mycoses.

Dr. Baijayanti Mala Mishra, *MD, MAMS,*
Additional professor,
Department of Microbiology,
All India Institute of Medical Science, Bhubaneswar

Topic – Emerging and Re-emerging Respiratory Viruses

Dr. Mishra discussed the emerging respiratory viruses as they are the major threats among the emerging and re-emerging infection leading to a lot of morbidity and mortality worldwide. Dr. Mishra discussed all the novelties associated with these viral status. She also described different ways to ensure the environmental change and emphasised the need to take most care to make our livestock infection free as most of the emerging viral diseases are zoonotic in origin.

Dr. Jayanti Shastri, *Professor & Head,*
Department of Microbiology,
TN Medical College & Nair Hospital, Mumbai

Topic – Changing Disease Dynamics among Vector Borne Diseases: Dengue & Chikungunya

The upcoming arboviral disease transmitted by *Aedes* mosquitoes namely Dengue and Chikungunya are gradually establishing their empire in India as the unhygienic environment, mosquito population, over population increase the turnover of these disease posing them as endemic disease. Dr. Shastri has very elaboratively described the different strains of these viruses, their vectors and the need to study their genetic variations.

Dr. Vijayalakshmi Nag, HOD,

*Department of Microbiology,
AIIMS, Jodhpur*

Topic – Non Tuberculous Mycobacteria : An Emerging Pathogen

Lastly Dr. Vijayalakshmi Nag described uncommon species of nontuberculous mycobacteria emerging as new pathogens causing both pulmonary and extra pulmonary lesions. She vividly showed several clinical cases & how they were promptly managed.

Like the beginning, there is also an end to everything. The CME ended with the valedictory function with valuable suggestion from the dignitary and distribution of prizes for winners of crossword puzzle and quiz. So the end of this CME programme was really a new beginning for the Department of Microbiology, AIIMS, Raipur to conduct such educational programmes with a refined vision on challenging subjects in future.