

17. Activities of Training and Extension Division 2006-2007

Conducted different Seminars, Workshops & Training Programmes in the Institute:

17.1 Onsite GCP training for clinical investigators safety of an aerosol attenuated measles vaccine in healthy subjects with trudell's, Phage I open, non controlled, sequential by age group, parallel trial Kolkata, India 6-7 April, 2006.

This institute will conduct measles vaccine trial. WHO organized GCP training programme for the investigators of the trial. All the medical and para-medical staffs involved in this trail were trained.

17.2 Training programme for the students of National Institute of Homoeopathy, Kolkata at NICED new building on 10th May 2006

Fifty BHMS students of National Institute of Homoeopathy visited the institute on 10th May 2006 to acquaint themselves with different facets of diarrhoeal diseases and its management. They also appraised the present situation of HIV/AIDS in our country. Lectures on respective topics were delivered by Dr. S.Chakrabarti, Deputy Director (Sr.Grade), Dr. P. Dutta, Deputy Director (Sr.Grade), Dr. D.N. Gupta, Deputy Director (Sr.Grade), Dr. S.K. Mondal, Deputy Director, Dr. D. Sur, Deputy Director.

17.3 International symposium on Cholera and other Diarrhoeal Diseases during June 9-11th 2006

The International symposium on Cholera and other Diarrhoeal Diseases that was organized during the inauguration of the Japanese grant-in-aid Diarrhoeal Disease Research and Control Centre was attended by leading experts from various disciplines of diarrhoeal disease research. The symposium was attended by scientists from various countries viz. Japan, Korea, USA, Germany and Bangladesh and was very useful for development of collaborative research programs among NICED scientists and visiting delegates.

17.4 INDO GERMAN Workshop on Infective hepatitis and H. pylori infection during 10-11th June 2006

Brainstorming workshop on **Hepatitis and H. Pylori infection** was also organized during the inauguration of the Japanese grant-in-aid Diarrhoeal Disease Research and Control Centre was attended by leading experts from various disciplines of infective hepatitis and H. pylori research. The workshop was attended by twenty scientists from India and German.

17.5 Indo-US workshop on opportunistic enteric parasites 3-5 October 2006

This workshop was organized jointly by All India Institute of Hygiene and Public Health and NICED, held at Hyatt Regency, Kolkata on 3-5 October 2006. Twenty national and international scientists attended this workshop.

This training programme was approved by INDO-US Science and Technology Forum. Ten International Delegates and another twenty National Delegates attended this workshop. The

programmed was held at Hyatt Regency, Kolkata and inaugurated by Dr. Surja Kanta Mishra, Hon'ble Minister of Health & Family Welfare, Government of West Bengal.

17.6 CMR-NIH Eastern regional Workshop on Bioethics during 11-13th October, 2006

ICMR HQ organized a workshop in collaboration with this Institute on Ethics on Biomedical research for the doctors of different medical colleges of eastern states of India. The scientists of different ICMR institutes were also invited to attend this workshop. The workshop was held at International Tower hotel and about 70 participants attended the workshop. Dr. S.K. Bhattacharya and Dr. P. Dutta act as the faculties and delivered their talks.

17.7 In depth Review for JE and Dengue for the Vector Born Disease Control Programme on 12th December 2006

As a part of surveillance of JE and Dengue, doctors of eastern states of India were reviewed the situation of JE and Dengue fever. About twenty medical personnel who were actively involved for surveillance of these diseases, share their experiences.

17.8 JICA-NICED Domestic Training Programme on Molecular Epidemiology of Diarrhoeal Diseases with special reference to cholera organized by NICED and Japanese International Cooperation Agency (JICA) during 30th October to 10th November, 2006

Diarrhoeal disease is still a major problem in several parts of India. Use of molecular biological tools will provide comprehensive information at the gene level, which are highly reliable, reproducible and also helps in tracing the origin/reservoirs of the pathogens. Hence, it is very important to study the genetic relatedness between the strains using various molecular epidemiological tools to differentiate the isolates from epidemiologically unrelated strains. This domestic training programme organized by JICA- NICED and ICMR from 30th October to 10th November, 2006 helped several researchers to initiate molecular epidemiological studies related with diarrhoeal disease in India. The major objective of this programme is to train the Indian scientists in molecular typing methods using standard techniques. The data generated by the scientists in their respective centers after undertaking the training is expected to participate in the national database program on cholera epidemiology.

Table 17.8.1 Name of the candidates and nominated Institutes of NICED-JICA Domestic Training Programme

| Sl.No. | Name of the Candidates | Nominated Institute |
|---------------|-------------------------------|---|
| 1. | Dr. Krishna Kumar Patel | Department of Clinical Microbiology, Chhattisgarh Institute of Medical Sciences, Bilaspur – 495 001, Chhattisgarh |
| 2. | Dr. B.M. Shanker Venkatesh | Department of Microbiology, Osama Medical College, Koti, Hyderabad |
| 3. | Dr. Shashi Soodan | Govt. Medical College, Jammu |
| 4. | Dr. Kumkum Bhattacharya | Associate Professor, Department of Microbiology, Bankura Sammilani Medical College, Bankura, W.B. |
| 5. | Dr. Deepjyoti Kalita | Demonstrator, Department of Microbiology, Gauhati |

| Sl.No. | Name of the Candidates | Nominated Institute |
|--------|-----------------------------|---|
| | | Medical College, Guwahati – 781 032 |
| 6. | Dr. S. Dhanapaul | Department of Microbiology, K.A.P.V. Govt. Medical College, Tiruchy – 620 001 |
| 7. | Dr. Suvarna Aniruddha Joshi | Associate Professor in Microbiology, SBH Govt. Medical College, Dhule 424001 |
| 8. | Dr. Appa Rao Peddapalli | Associate Prof., Department of Microbiology, Andhra Medical College, Visakhapatnam |
| 9. | Dr. Reema Nath | Assistant Professor, Department of Microbiology, Assam Medical College, Dibrugarh, Assam – 786002 |
| 10. | Dr. Manideepa Sengupta | Department of Microbiology, Calcutta National Medical College, Kolkata |
| 11. | Dr. Atit Saha | Department of Microbiology, Smt. NHL Municipal Medical College, Sheth Vadilal Sarabhai Hospital, Ellisbridge, Ahmedabad – 380 006 |
| 12. | Dr. Karishma S. Kaushik | Department of Microbiology, Armed Forces Medical College, Pune 411 040 |
| 13. | Dr. Praveen R. Shahapur | Department of Microbiology, BLDEA's Shri B.M. Patil Medical College, Bijapur 586103 |
| 14. | Dr. Rashmika Dhaval Parmar | Department of Microbiology, Govt. Medical College, Bhavnagar, Gujarat 364 001 |
| 15. | Dr. P.R. Anuradha | Department of Microbiology, Gandhi Medical College & Gandhi Hospital, Secunderabad |

Dr. S.K. Bhattacharya, Dr. P. Dutta, Dr. T. Ramamurthy, Dr. R.K. Nandi, Dr. A.K. Mukhopadhyay of this Institute and Prof. S. Yamasaki, Professor, Osaka Prefecture University, Osaka, Japan acted as Resource Persons. Prof. Asis Dutta, Dr. S. Chakrabarti, Prof. A.C. Ghose, Dr. D. Sur and Dr. S.K. Niyogi delivered lectures as Special Lecturer. For practical, different aspects of isolation and identification of *Vibrio cholera*, *Vibrio parahaemolyticus* and other diarrhoeagenic pathogens were demonstrated and the candidates had their opportunity to do these tests of their own.

17.9 Training Programme for German Doctors on Tropical and Travel Medicine jointly organized by Jadavpur University during 13th to 25th November 2006

Training programmes were organized in this Institute in collaboration with Institute of Tropical Medicine and Centre for Travel Medicine, Berlin, Germany and Jadavpur University, Kolkata. The aim of the course is to provide knowledge and skill in applied clinical tropical medicine in hospitals in Kolkata, India. Ten German Doctors attended both the training courses. Dr. S.K. Bhattacharya, Additional Director General (ICMR), Dr. S. Chakrabarti and Dr. P. Dutta, Deputy Directors (Senior Grade), Dr. D. Ganguly, Dr. D. Sur, Deputy Directors, Dr. K. Sarkar, Assistant Director, Dr. T. Krishnan, Assistant Director delivered the talk. Dr. A. Chowdhury from S.S.K.M. Hospital, Dr. M. Lahiri Ex Prof., Department of Pediatrics, Calcutta Medical College & Hospital, Dr. P.P. Bhattacharya, Dr. P. Bhattacharya consultants were invited to deliver talk as external lecturers. The participants also visited the following hospitals to see the patients : Dr. B.C. Roy Memorial Hospital for Children, Dr. B.C. Roy Hospital for Crippled Children, Infectious Diseases Hospital, Skin Department of National Medical College, Pasteur Institute, Leprosy Home. Dr. U. Mitra and Dr. MK Bhattacharya assisted the visit of the hospitals. They also visited Jadavpur University to get an idea of research activities on indigenous medicine.

17.10 3rd Country JICA-NICED Training Programme on Molecular Epidemiology of Diarrhoeal Diseases with special reference to cholera organized by NICED and Japanese International Cooperation Agency (JICA) during November 27 to December 10, 2006

JICA-NICED 3rd Country Training Programme on “Molecular Epidemiology of Diarrhoeal Diseases with Special Reference to Cholera” was conducted between November 27 to December 10, 2006. The following twelve participants were selected as forwarded by the JICA India office, New Delhi through proper diplomatic channel:

Table List of participants of NICED-JICA 3rd country training programme

| Sl.No. | Name of the participants | Country |
|--------|--|-------------|
| 1. | Ms. Maria Cecilia Conato Dela Cruz | Philippines |
| 2. | Dr. Kinley Wangdi | Bhutan |
| 3. | Dr. Edward Nii Laryea Odamtten | Ghana |
| 4. | Dr. Boniface Venance Mphumuhila | Tanzania |
| 5. | Mr. Omar Juma Kidua | Tanzania |
| 6. | Dr. Meiji Soe Aung | Myanmar |
| 7. | Ms. Vivian Sakala | Zambia |
| 8. | Ms. Charini Geethika Upulkanthi Arukattu Patabendige | Sri Lanka |
| 9. | Ms. Meepage Thamara Widyaratne Wijesuriya | Sri Lanka |
| 10. | Ms. Lou Jing | China |

This course was inaugurated on 4th December, 2006. T. Fujii, Resident Representative, JICA India Office, New Delhi, amidst the presence of Dr. S.K. Bhattacharya, Addl. Director General, ICMR, New Delhi.

Dr. S. Yamasaki, Professor, Osaka Prefecture University, Osaka, Japan acted as an external expert. Dr. S.K. Bhattacharya, Addl. Director General, ICMR, New Delhi, Dr. P. Dutta, Deputy Directors (Senior Grade), Dr. T. Ramamurthy, Deputy Director, Dr. R.K. Nandy, Senior Research Officer, and Dr. A. Mukhopadhyaya, Research Officer of this Institute acted as course facilitators and they delivered talks on different subjects. Dr. S. Chakrabarti, Prof. A.C. Ghose, Dr. D. Sur and Dr. S.K. Niyogi delivered lectures as Special Lecturer Ph.D students of the Division of Microbiology acted as instructors by assisting the faculties to conduct the practical sessions. In the practical, different aspects composed of isolation and identification of *Vibrio cholerae* and *Vibrio parahaemolyticus*, *Escherichia coli* and *Shigella* spp; pulsed-field gel electrophoresis (PFGE) to determine the clonality of *V. cholerae*; simplex and multiplex polymerase chain reaction (PCR) to determine the specific genes among *V. cholerae* O1 and O139 serogroups, *V. parahaemolyticus*, diarrhoeagenic *Escherichia coli*; group-specific PCR for the detection of pandemic strains of *V. parahaemolyticus*; extraction and analysis of chromosomal DNA from *V. cholerae*; extraction and analysis of plasmid DNA containing the r-RNA probe fragment; construction of dendrogram using PFGE profiles; ribotyping of *V. cholerae* O1 and O139 serogroups were covered under this programme. The participants visited the Infectious Diseases Hospital,

Kolkata to have an idea on how the diarrhoeal patients are receiving the treatment and the symptoms based diagnosis of the disease.

All the participants presented their area of research interest during the special session in the programme. During the last day of the course, certificates were distributed.

17.11 WHO Measles Vaccine Workshop during 24-25th January 2007

17.12 Regional workshop on Model based HIV/AIDS estimation for east and north-east during 19-21 February 2007

This workshop was organized by this Institute in collaboration with National Institute of Medical Statistics, ICMR, New Delhi. Dr. D.C.S. Reddy, Dr. J. Mahanta, Dr. A. Pandey acted as the resource persons of the workshop. About thirty participants from eastern and north-eastern part of India attended the workshop.

17.13 National Science day celebration on February 28, 2007

National Science day was celebrated on 28th February, 2007 at the auditorium of the Institute. Dr. Subhendu Mondal, Director, National Library delivered a popular talk on “Books and bytes”. All the staff members of the Institute attended the meeting to celebrate national science day.

On the second half of the day, certificate of appreciation and mementoes were presented to the staff members who completed 25 years of ICMR service.

17.14 IVI BOT Meeting during 6-7 March, 2007

International Vaccine Institute, Korea organized their Board of Trustees meeting at this Institute. Board of Trustees members from 21 countries around the world including Bangladesh, Brazil, Cambodia, China, Egypt, El Salvador, India, Indonesia, Korea, Laos, Malaysia, Mongolia, Mozambique, Nicaragua, Pakistan, Panama, Sri Lanka, Thailand, Vietnam attended this meeting. New vaccine initiatives against diarrhea, respiratory diseases, dengue fever, JE were addressed.

17.15 IVI Workshop on Vaccine 8th March, 2007

A workshop on vaccine was organized by IVI at this Institute on 8th March 2007. 15 Indian scientists were also invited along with the BOT members of IVI.

17.16 Workshop for HIV testing and panel sera preparation during 27-28th March 2007