



**Kempegowda Institute of Medical Sciences,
Bangalore**

Department of Community Medicine

Annual Report

1st April, 2012 to 31st March, 2013

ADDRESS

Department of Community Medicine

Kempegowda Institute of Medical Sciences, Bangalore

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Special Activities:

Karnataka State Reserve Police personnel (KSRP) Health Checkup, April-June 2012:

Staff, postgraduates and interns from the department were involved in health check up of KSRP personnel conducted at KIMS Hospital & Research Centre, Bangalore from 23rd April – 22nd June 2012. The health check up and health education was supported by departments of Medicine, Skin, Orthopedics, ENT, Pathology, Microbiology, Biochemistry and Community Dentistry, VSDC, Bangalore. Dr. Giriyantha was the coordinator from the department. A total of about 2000 KSRP personnel were screened.

Dengue sero-prevalence (DNG-10) study, April-August 2012:

A first of its kind field based clinical trial on dengue sero-prevalence (DNG-10) was started in April 2012 and successfully completed by August 2012 in the rural health training area of KIMS, Bangalore. The results are awaited.

World Rabies Day, 28th September 2012:

On the occasion of World Rabies Day 2012, the department had organized pre-exposure prophylaxis against rabies for the children aged 5-10 years at UHTC, KIMS, Parvathipura, Bangalore. 153 children were immunized against rabies. A public video in local language was screened to the parents of the children brought for immunization. Similarly postgraduates and interns were involved in Intra Dermal Rabies vaccination for rag pickers organized by BBMP in collaboration with HBI, at Kariyammanna Agrahara, Bangalore on 10th October 2012. Dr. Ravish H S, Associate Professor was the coordinator for these activities.

National symposium on Rabies, 25th March 2013, NIMHANS, Bangalore:

A one day national symposium on recent advances in rabies was organized by Rabies in Asia - India chapter in collaboration with department of Neurovirology, NIMHANS, Bangalore and Department of Community

Medicine, KIMS, Bangalore on 25th March, 2013 at NIMHANS, Bangalore. Dr. F.X Meslin, WHO, Team leader zoonotic diseases (retired) was felicitated during the programme for his outstanding contribution in the prevention and control of rabies in world and India in particular. About 120 delegates from all parts of the country had attended.

Brief news:

World Health Day 2012:

6th term students made presentations on the World Health Day theme 2012 - Good Health - Add life to years at Lecture hall-1, KIMS, Banashankari college campus, Bangalore on 9th April 2012. Interns, postgraduates and staff were also present. The presentation was followed by distribution of certificates to the students & discussion on the subject.

Visit to Swimming Pool, Banashankari, 19th June 2012:

The staff and post graduates of the department had visited the Swimming pool situated at Banashankari on 19th, June 2012. The visit was a part of the regular post graduate training programme. There was a discussion on swimming pool sanitation and filtration of water with the concerned authorities.

Visit to Snehadan, 7th July 2012:

Staff and postgraduates from the department visited Snehadan, care and support centre for PLHIV at Sarajapura road, Bangalore and the Sneha care home, residential school for children living with HIV.

Visit to Mugaluru Community Health Centre, St. John's Medical College, Bangalore on 25th September 2012:

The Staff and Post Graduates of the department of Community Medicine had visited the Mugaluru community health centre of St. John's Medical College, Bangalore on 25th September 2012. This visit was planned as a part of sharing of experiences between the departments.

Visit to Vrishabavathi Sewage Treatment Plant, 21st December 2012:

The staff and post graduates of the department visited the Vrishabavathi Sewage Treatment Plant on 21st December 2012. The functioning of the primary, secondary and tertiary plants & laboratory analyses of water sample were discussed in details with staff of the treatment plant. This visit was planned as a part of the training programme for the post graduate students.

Pulse Polio Immunization Programme (PPI) - NID rounds of February & March, 2013:

Again as the country celebrates the historic achievement of polio elimination, from the department this was the **19th consecutive and successful** year in which we were involved in the NID rounds of PPI on 20th January 2013 & 15th February 2013. 3rd, 4th, 6th & 7th term students along with interns, postgraduates and staff were involved as service providers, volunteers, supervisors and monitors.

Adolescent Reproductive & Sexual Health programme (ARSH) - Sneha clinic in Vinayaknagar village, Ramohalli Sub Centre, 16th March 2013:

The orientation programme for the community towards ARSH – Sneha clinic was held at anganwadi centre Vinayaknagar, on the forenoon of 16th March 2013. Interns and Postgraduates from department delivered a talk on Need for ARSH – Sneha Clinic. Miss. Suma, JHA (F) spoke in detail of the ARSH programme and Sneha clinic along with Mr. Lakshman, SHA (M). Vinayaknagar gram panchayat vice-president presided over the function. 56 villagers had participated in the programme.

Health education on Dengue to link workers of Urban Health Centres (UHCs), Bangalore, 30th March 2013:

Health education on dengue was given to the link workers of Urban Health Centres (UHCs) in Bangalore on 30th March 2013. 91 link workers participated. The programme was

organized at Pobbathi Maternity Home. Dr. Giriyantha, Assistant Professor, Dr. Manjath, MO-I/C, along with postgraduates and interns delivered interactive health education sessions on dengue to the link workers.

Dr. Manoranjan Hegde, Deputy Health Officer, BBMP inaugurated the session and Mr.Thimappa, SHA(M), Malaria division NVBDCP, Bangalore provided illustrative explanation of larva survey to link workers.

Department:

Preventive Medicine Unit (PMU), KIMSH & RC - Clinical Trials:

The PMU successfully conducted and completed a good number of Phase – III & IV clinical trials on vaccines and immunoglobulins on rabies and other diseases. Similarly the Allergy unit was also very active with rush immunotherapy during the year.

Rural Health Training Centre (RHTC):

The report of the rural rabies prevention project was released. Other new studies have started.

Urban Health Training Centre:

The under graduates and post graduates of the department utilized the urban centre for family study presentations and dissertation work.

Indira Gandhi National Open University (IGNOU), New Delhi:

The 18th batch of IGNOU students in the Post Graduate Diploma in Maternal & Child Health course completed the contact programme during the year.

Research articles published by staff members:

1. **M K Sudarshan, D H Ashwath Narayana & Giriyantha Gowda:** *A critical appraisal of usage of rabies immunoglobulin in an anti-rabies clinic in India. APCRI journal*

2012, Vol. XIII, Issue 2, PP 11-12.

2. **Sudarshan M K, Ashwath Narayana D H, Madhusudana S N, Ramesh Holla, Ashwin Y B, Gangaboraiah & Ravish H S:** *Evaluation of a one week intradermal regimen for rabies post-exposure prophylaxis: Results of a randomized, open label, active-controlled trial in healthy adult volunteers in India.* **Human Vaccines and Immunotherapeutics** 2012, Vol8, No.8, pp 1077-81.
3. **N R Ramesh Masthi, Sathish Chandra M R, Malatesh Undi, M Aravind, Yannick P Puthussery (2012):** *Global Positioning System – A new tool for mapping the distribution of anemia and nutritional status of children (5-10yrs) in a rural community.* **Indian Journal of Medical Sciences**, January 2012; Vol. 66, No. 1; 46-55.
4. **N R Ramesh Masthi, S G Kishore, Gangaboraiah:** *Prevalence of domestic accidents in the rural field practice area of a medical college in Bangalore, Karnataka.* **Indian Journal of Public Health**. July–September 2012; Vol 56, Issue 3:235-237.
5. **N R Ramesh Masthi, Gangaboraiah & Praveen Kulkarni:** *An exploratory study on Socio Economic Status Scales in a Rural and Urban setting.* **Journal of Family Medicine and Primary Care**. January 2013; Volume 2: Issue 1:69-73.
6. **N R Ramesh Masthi & Yashasvini:** *Mobile phone dependence among college students in Bangalore.* **RGUHS Journal of Medical Sciences**, April 2012/Vol 2 /2/ 84 -87.
7. **N R Ramesh Masthi, Gangaboraiah, Vishaka Sudarshan, Yashaswini L S:** *Awareness and Attitude towards Organ Donation in Bangalore.* **RGUHS Journal of Medical Sciences**, July 2012/ Vol 2/3/138 -140.
8. **Syed Zaid & N R Ramesh Masthi:** *Physician Burnout: A conceptual framework for developing burnout prevention strategies in Physicians.* **RGUHS Journal of Medical Sciences** July2012/ Vol2/ 155-

161.

9. **Dharukaswami Mallayya Koradhanya-math, Praveen Kulkarni, Ramesh Holla:** *Coverage and compliance MDA programme for lymphatic filariasis in Bidar district, Karnataka, India.* **Asian Pacific Journal of Tropical Disease** 2012; 2(4): 290-292.

Conference presentation (Research papers):

1. **Dr. M K Sudarshan:** *Interchangeability of rabies vaccines in post-exposure prophylaxis, 14th national conference of Association for Prevention and Control of Rabies (APCRICON), Kolkata, July, 2012.*
2. **Dr. M K Sudarshan:** *Prevention of rabies in humans, Second WHO expert consultation on rabies, Geneva, Switzerland, September, 2012.*
3. **Dr. M K Sudarshan:** *Rabies in India, Current Scenario, 8th Asian Rabies Expert Bureau (AREB), Jogjakarta, Indonesia, October 2012.*
4. **Dr. M K Sudarshan:** *Interchangeability of rabies vaccines in post-exposure prophylaxis, 8th AREB, Jogjakarta, Indonesia, October 2012.*
5. **Dr. M K Sudarshan:** *How India is tackling the problem of rabies, 10th Annual conference of Infectious Diseases Society of Pakistan (IDSP), Shoukat Khanum Memorial Hospital, Lahore, Pakistan, February 2013.*
6. **Dr. B G Parasurmalu:** *Safety and clinical efficacy of ultra-rush sublingual immunotherapy among patients suffering from allergic rhinitis, World Organization of Family Doctors: South Asian Region, Federation of Family Physicians Associations of India (FFPAI), Mumbai, 2012.*
7. **Dr. B G Parasurmalu:** *Guest lecture - Skin prick test; IAP Allergy & Applied Immunology Workshop (PEDALLERCON-2013), March 2013, Bangalore.*

8. **Dr. B G Parasurmalu:** Guest lecture - *Community health care of elderly and social security measures for elderly*, CME for postgraduates, PSGIMS, Kuppam, April 2012.
9. **Dr. D H Ashwath Narayana:** *Results on safety & immunogenicity of new PCECV vaccine International symposium on rabies*, Bintan islands, Indonesia 16-17, April, 2012.
10. **Dr. D H Ashwath Narayana:** *Safety & immunogenicity of new PCEC vaccine (Pittman moore strain) in Indian subjects*, 14th APCRICON Kolkata, July, 2012.
11. **Dr. D H Ashwath Narayana:** *Recent advances in rabies prophylaxis*, CME at Center for virology, KMC, Manipal, October 2012.
12. **Dr. D H Ashwath Narayana:** *Rabies prophylaxis*, Regional CME of Dr NTR university, PES medical college, Kuppam, Andhra Pradesh, October 2012.
13. **Dr. D H Ashwath Narayana:** *Recent advances in human rabies prevention National seminar on zoonotic diseases*, Thrissur, Kerala, March 2013.
14. **Dr. D H Ashwath Narayana:** *Comparative study to assess the safety and immunogenicity of VaxiRab N and Rabipur administered intradermally in animal bite case*, National symposium on rabies, NIMHANS, Bangalore, March 2013.
15. **Dr. N R Ramesh Masthi:** *One health experiment - A rural rabies prevention project-end result*, 14th APCRICON Kolkata, July 2012.
16. **Dr. N R Ramesh Masthi:** *Global Positioning System - A new tool for measurement of animal bites and human rabies in rural community*, National symposium on rabies, NIMHANS, Bangalore, March 2013.
17. **Dr. H S Ravish:** *Compliance to intra dermal rabies vaccination (IDRV) at Municipal Corporation Hospital*, Bangalore,

14th APCRICON, Kolkata, July 2012.

18. **Dr. H S Ravish:** Guest lecture - *Prevention of Rabies*, Stanley Medical College, Chennai, August 2012.
19. **Dr. H S Ravish:** Guest lecture - *Prevention of Rabies*, Government Medical College, Coimbatore, November 2012.
20. **Dr. Girianna:** *A study on aero allergen sensitivity among bronchial asthma patients*, 23rd World allergy organization International Scientific Conference (WAOISCON), Hyderabad, December 2012.

International:

21. **Dr. M R Sathish Chandra:** *Randomized, Open Label, Active Controlled comparative study to assess Safety, Efficacy of Mometasone & Formoterol versus Fluticasone & Formoterol dry powder inhaler in treatment of mild to moderate persistent asthma*, 23rd WAOISCON, Hyderabad, India; 6th-9th December 2012.
22. **Dr. Malatesh Undi:** *Global Positioning System - A new tool to measure the distribution of anaemia and nutritional status of children (5-10years) in a rural area*, South India - 18th International Congress of Rural Health and Medicine, 10th-12th December, 2012, Panaji, Goa.

National:

23. **Dr. M R Sathish Chandra:** *Randomized, open label, active controlled study to assess and compare health related quality of life with mometasone & formoterol versus fluticasone & formoterol dry powder inhaler in mild to moderate persistent asthma*, 46th National conference of Indian college of allergy, asthma & applied immunology (ICAAICON), Institute of Medical Sciences, Banaras Hindu University, Varanasi, 2nd- 4th November 2012.
24. **Dr. Rachana A R:** *Compliance to intradermal rabies vaccination at municipal corporation hospital*, Bangalore. 57th

IPHACON, Kolkata, 10th -12th February, 2013.

State:

25.**Dr. M R Sathish Chandra:** *Principles of Outbreak management*, WHO sponsored CME on Epidemic and Pandemic Preparedness and Response - St. John's Medical College, Bangalore, 27th September 2012.

26.**Dr. Veena V:** *Compliance to intramuscular rabies vaccine at anti rabies clinic*, KIMS Hospital, Bangalore, 24th KACHCON, Bagalkot, 3rd - 4th November, 2012.

27.**Dr. Shilpa:** *Prevalence and biosocial correlates of primary infertility in rural field practice area of Kempegowda Institute of Medical Sciences*, Bangalore, 24th KACHCON, Bagalkot, 3rd - 4th November, 2012.

28.**Dr. Malatesh Undi:** *Global Positioning System – A new tool for mapping anemia and nutritional status of children (5-10years) in rural field practice area of KIMS*, Bangalore, 24th KACHCON, Bagalkot, 3rd - 4th November, 2012.

29.**Dr. Rachana A R:** *Factors determining medical termination of pregnancy*, 24th KACHCON, Bagalkot, 3rd - 4th November, 2012.

International (Poster):

Dr. Jahnavi R: *Validation of Geriatric depression scale 15 kannada version*, 9th international conference on Geriatric care, Belgaum, 13-14th October 2012.

Dr. Veena V: *Study of Unmet need for family planning among pregnant women attending antenatal clinic of primary health centre, Kengeri*, Bangalore, 18th International Congress of Rural Health and Medicine, 10-12th December, 2012, Panaji, Goa.

Dr. Shilpa: *Prevalence and biosocial correlates of primary infertility in rural field practice area of Kempegowda Institute of Medical Sciences*, Bangalore, 18th International Congress of Rural

Health and Medicine, 10th-12th December, 2012, Panaji, Goa.

Dr. Rachana A R: *Induced abortions and concurrent adoption of contraception*, 18th International Congress of Rural Health and Medicine, 10th-12th December 2012, Panaji, Goa.

State:

Dr. Jahnavi R: *Validation of Geriatric depression scale 15 Kannada version*, 3rd Annual Conference of Karnataka Chapter of Indian Academy of Geriatric (KIAG), KMC, Mangalore, 8th - 9th September 2012.

Dr. Satish Chandra was awarded the best research paper presented in the national conference and **Dr. Jhanvi Rajagopal** had been awarded the best research papers presented in the state conference respectively.

Staff Activities (Important):

Dr. M K Sudarshan:

- **Chairman**, Scientific Programme: 4th International Symposium on rabies held at Bintan, Indonesia, jointly organized by Rabies in Asia Foundation & Zydus Cadila, April 2012.
- **Invitee and chairman** of the subgroup - WHO expert consultation on rabies, Geneva, Switzerland, September 2012.
- **Invitee and member** - 8th AREB, Jogjakarta, Indonesia, October 2012.
- **Invitee and speaker** - IDSP, Lahore, February 2012.

Dr. B G Parasuramalu:

- **Resource person** for the postgraduate refresher course held at JSS medical college, Mysore, August 2012.
- **Resource person:** Preconference workshop on allergy testing and Immunotherapy - NCPAAI, Bangalore, March 2013.
- **Chairperson**, 46th ICAAIICON 2012.

- **Delegate:** 2nd WAOISCON, December 2012.

Dr. Gangaboriah:

- **Resource person** in the orientation to research methodology and biostatistics, KIMS, Bangalore, July 2012.

Dr. D H Ashwath Narayana:

- **Programme in charge** - IGNOU.
- **Executive Director** - RIA Foundation.
- **Central council member** (South) - IPHA
- **BBMP - Member**, Board of visitor, BSK Referral hospital.
- **Training** in RIG & IDRV for staff from MKV medical college, Pondicherry.
- **Principal Investigator** - Rabies vaccine trial.
- **Principal Investigator** - A phase II/III, randomized, multi-centric, comparator controlled study of Human Monoclonal Antibody to Rabies (SII RMab).

Dr. N R Ramesh Masthi:

- **Discussant:** CME on rabies at Bintan Island, Indonesia and Singapore, April 2012.
- **Principal Investigator:** DNG-10 study.
- **Speaker:** National symposium on rabies, NIMHANS, Bangalore 2013.
- **Treasurer**, RIA-India Chapter.
- **Editorial board member** - IPHA Journal.
- **Editorial board member** - RGUHS Journal of Medical sciences.

Dr. R Chethana

- **PG Guide.**

Dr. T V Sanjay:

- **Chaired a session** — 3rd KIAG, Mangalore.
- **Teacher in charge**, Undergraduate training.

Dr. Chitra Nagaraj:

- **Guide**, student project on Indian Council of Medical Research (ICMR).
- **Coordinator**, orientation course for the first MBBS batch of 2012-2013.
- **Delegate**, Medical Education Coordinators meet RGUHS, 9th August 2012.

Dr. H S Ravish:

- **Discussant:** CME on rabies at Bintan Island, Indonesia, April 2012.
- **Speaker:** National symposium on rabies, NIMHANS, Bangalore 2013.
- **Treasurer** - RIAF.

Dr. Jayanthi Srikanth:

- **PG guide.**
- **Guide**, student project on ICMR project.
- **MO/In-charge** of UHTC and responsible for functioning & maintenance of the same.

Dr. Koradhanyamath:

- **Coordinator** between department and Directorate of Health and Family welfare services, Government of Karnataka, India.

Dr. Girianna Gowda:

- **M Sundaramma Young scientist Award** for best research work NCIAAI 2012.
- **Resource person:** Preconference workshop on allergy testing and Immunotherapy - NCPAAI, Bangalore, March 2013.
- **Delegate:** 2nd WAOISCON, December 2012.
- **Delegate:** 46th ICAAIICON 2012.

Other news:

Post Graduates:

Drs. Balaji R, Ramesh Holla, Praveen Kulkarni & Arun H S had completed the course successfully. Drs. Aravind M, Yannick P Puthussery, Chethana G, Tejashwini, Madhusudhan M & Sridevi Kulkarni are the new postgraduates to have joined the department from May 2012.

Dr. Praveen Kulkarni was awarded the **2nd rank** in the **RGUHS exam** for postgraduates conducted in May 2012.

Interns: About 95 interns from the 2007 batch had completed the internship training programme successfully. A few of the interns had participated as field investigators and volunteers in the different projects and activities of the department.



National symposium on Rabies, NIMHANS, Bangalore, 25th March, 2013: Dr M K Sudarshan (10th from left), Dean & Principal, KIMS, Bangalore, Dr. F. X. Meslin, WHO Geneva, retd.(11th from left) & Dr. Gongal, WHO, India (13th from left) along with the staff, postgraduates, interns & student volunteers of Community Medicine, KIMS, Bangalore.



Visit to RHTC, Mugulur, 25th September 2012: Dr. B G Parasuramalu, Professor & HOD, KIMS, Bangalore (9th from left) & Dr. Arvind Kasturi, Professor & HOD, SJMC, Bangalore (10th from left) along with staff & postgraduates from the two medical colleges.



Postgraduate, Intern & Staff Nurse : KSRP health checkup at KIMS Hospital & Research Centre, Bangalore.



Field visit to Swimming pool, Banshanakari, 19th June, 2012: Dr. B G Parasuramalu, Professor & HOD along with other department staff and postgraduates at the Banashanakari swimming pool.



Field visit to BWSSB Vrishabavathi sewage treatment plant, 21st December 2012: Staff & post graduates.



Family study by postgraduate at kuvempunagar village, Satellite centre of RHTC Kengeri, February, 2013: Staff and postgraduates.



ARSH - Sneha Clinic: Postgraduates, Interns, MSW, SHAM, JHAF addressing the gathering.



Dengue health education talk to link workers: Dr. Giriyantha Gowda, Assistant Professor, Postgraduates and interns from Dept. of Community Medicine, KIMS. Dr. Manjunath, MO I/C PMH & UFWC Mr. Thimappa, SHA(M) at PMH, Bangalore. 9