



# **Kempegowda Institute of Medical Sciences, Bangalore**

## **Department of Community Medicine**

# **Annual Report**

**1<sup>st</sup> April, 2011 to 31<sup>st</sup> March, 2012**

### **ADDRESS**

#### **Department of Community Medicine**

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### **CME on rabies :**

The department of community medicine had conducted a CME on rabies on 5<sup>th</sup> April, 2011 at the seminar hall, 6<sup>th</sup> floor, KIMSH&RC, Bangalore. About 30 people including doctors, postgraduate & Interns had participated in the programme.

### **World Health Day-2011 :**

6<sup>th</sup> term students made presentations on the world health day theme 2011 – Safe Lives, Make Hospitals safe in Emergencies at Lecture hall-2, KIMS Banashankari college campus, Bangalore on 25.04.2011. About 120 students from 6<sup>th</sup> term participated. The staff, postgraduates & Interns of the department of community medicine were present. The presentation was followed by distribution of certificates to the students & discussion on the subject.

### **World Rabies Day, 28<sup>th</sup> September, 2011 :**

On the occasion of World Rabies Day 2011, the department had organized a one day CME on Rabies for Undergraduates, Interns and Postgraduates of KIMSH&RC, Bangalore. A technical video and public video was screened to about 200 people. This was followed by discussion.

### **One Health Experiment - A rural rabies prevention project : Successful completion of the two year project.**

One Health experiment- A rural rabies prevention project was successfully completed on 30<sup>th</sup> November, 2011. The project was for a period of two years (1<sup>st</sup> December, 2009 to 30<sup>th</sup> November, 2011).

The medical, veterinary, laboratory and animal welfare professionals had come together for the first time anywhere in the world in a novel project for the prevention and control of rabies in a rural community with the concept of – **One Health**.

This project was a joint effort of the Global Alliance for Rabies Control (GARC), Rabies in Asia (RIA) Foundation & Commonwealth Veterinary Association (CVA), Department of Community Medicine, KIMS, Bangalore, Department of Veterinary Pathology, Government Veterinary College, Bangalore and Department of Neurovirology, National Institute of Mental Health & Neurosciences (NIMHANS), Bangalore.

The incidence of rabies, dog/animal bite was found to be lower than the national averages after the implementation of the one health experiment. The project was able to demonstrate that the different stakeholders can come together and work as a team for a common cause.

The final report of the project was presented at various national and international conferences and was very well accepted for replication in other places.

The project team would like to thank the school teachers, school children, volunteers, anganwadi workers, ASHAs, SHG members, MO-PHCs, Government veterinarians, local leaders along with the department medical and health staff, postgraduates & interns who had contributed to the success of the project in the field.

### **Memorandum of Understanding between Kempegowda Institute of Medical Sciences Bangalore, India and The San Antonio School of Medicine, University of Texas Health Science Center, Texas, USA :**

The Kempegowda Institute of Medical Sciences, Bangalore (Department of Medicine and Department of Community Medicine) and University of Texas Health Science Center at San Antonio School of Medicine (UTHSCSASOM) have a memorandum of understanding for academic study purpose and observership student exchange program.

In this regard two students Mr. Brent W Thiel and Miss Toral J Parikh were in KIMS, Bangalore for a period of three weeks from 06/02/2012 to 25/02/2012.

The students were posted in community medicine for one week duration during which the students observed the activities of the Rural health Training Centre, Kengeri, Urban Health Training Centre, Parvathipura, Preventive Medicine Unit, KIMSH&RC and Government Health Facilities.

### **Health Examination and Health Education Sessions to School Children and women:**

Interns and post graduate students from the Department of Community Medicine, Kempegowda Institute of Medical Science, Bangalore, in collaboration with Lions club, J P Nagar, Bangalore had conducted School Health Examination and health education sessions to the school children of Government boy's and girl's high schools, and also to women and children living in a few NGOs situated in bangalore urban, during the period July-November, 2011.

A total of 15 schools were visited. About 5000 children were screened, treated and referred appropriately. Information on issues like adolescent health problems was addressed by doctors in the local language. This was followed by interactive question and answer sessions.

Similarly a total of about 10 sessions was conducted for women and children living in the NGO centre. Health examination, appropriate treatment and referral was given. Counseling was also given to the needy women.

### **One Health Experiment - Visit of staff from Centre for Disease Control (CDC), Atlanta, USA, 11<sup>th</sup>, October, 2011.**

Miss Lillian Ann Orciari from the rabies unit, CDC, Atlanta had visited the department of community medicine, KIMS, Bangalore on 11th October, 2011.

She was briefed about the one health experiment activity of the department at the seminar hall. This was followed by discussion on the subject.

### **Evaluation of MDA programme-Filariasis: Dakshina Kanada, 13<sup>th</sup>-20<sup>th</sup>, February, 2011 :**

The department of community medicine was involved in the evaluation of Mass Drug Administration of Filariasis and collection of information on malaria in Dakshin Kannada district, Karnataka from 15<sup>th</sup> -18<sup>th</sup>, February, 2012 for Regional Office of Health & Family Welfare (ROHFW), Bangalore. Dr Giriyana Gowda, Assistant Professor, lead the team along with postgraduates Dr M R Satish Chandra and Dr S Rekha.

### **Pulse Polio Immunization Programme - NID rounds of 19<sup>th</sup>-22<sup>nd</sup> February, 2012.**

In this historic year as the country celebrates one year being free from polio, the department takes immense pleasure in being one of the countless, who have contributed to the success of the polio eradication programme.

On this occasion we would like to thank wholeheartedly the contribution and support over the years by undergraduate students, Interns, post graduates & staff of Community Medicine since 1995 who had worked in various capacities as volunteers, supervisors, monitors and service providers.

For the 17<sup>th</sup> successive year the department was involved in the NID rounds of Pulse Polio Immunization Programme of 19<sup>th</sup>-22<sup>nd</sup>, February, 2012. 4th and 6th term students along with interns, postgraduates and staff were involved as service providers, volunteers, supervisors and monitors.

### **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.

### **CME on Polio Update and Acute Flaccid Paralysis (AFP) Surveillance 9<sup>th</sup> March 2012 :**

CME on Polio Update and Acute Flaccid Paralysis (AFP) Surveillance was conducted at the Auditorium, 6th floor, KIMS Hospital & Research Centre, Bangalore on 9<sup>th</sup> March 2012 at the . Dr. B P Subramanya, Surveillance Medical Officer (SMO), WHO-NPSP, Bangalore Unit was the Guest Speaker.

The programme was organised by Department of Community Medicine and Dr. Girianna Gowda, Assistant professor coordinated the CME. About 150 staff and post graduates from department of Paediatrics, Medicine, Community Medicine, Orthopaedics, Physiotherapy, Nursing staff and Medical Record section staff had attended.

Dr. M K Sudarshan, Dean and Principal KIMS presided over the function. The main focus of the lecture was to involve the other departments so as to strengthen the AFP surveillance .This was followed by question answer session.

### **CME on National Mental Health Programme 13<sup>th</sup> March, 2012:**

A Guest lecture on National Mental Health Programme was organized in the Seminar Hall , Department of Community Medicine, Kempegowda Institute of Medical Science, Bangalore on 13/03/2012. Dr. Karur B. V, Joint Director, Medical and Mental Health, Government of Karnataka delivered a lecture on common mental health problems, strategies, activities, challenges and way ahead under National Mental Health Programme. The Staff and Post Graduate students from the department had participated. There was a interactive question and answer session following the talk.

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

The 16th batch of IGNOU students in the Post Graduate Diploma in Maternal & Child Health course completed the contact programme during the year. About 8 students had enrolled for the course.

### **Research articles published by staff members :**

1. **Mysore Kalappa Sudarshan, Haradanahalli Shankaraiah Ravish, Doddabele Hanumanthappa Ashwath Narayana** ; Time interval for booster vaccination following re-exposure to rabies in previously vaccinated subjects. Asian Biomedicine Vol. 5 No. 5 October 2011; 589-593.
2. **M K. Sudarshan, D. H. Ashwath Narayana, H. S. Ravish** ; Is the skin sensitivity test required for administering equine rabies immunoglobulin? National Medical Journal of India 2011; 24: 80-2.
3. **Pradeep B S ,Parasuramalu B G , Rajanna M S** ; Statistical Process Control Tools In Bio-Medical Sciences - Can These Be Applied? The Internet Journal of public health, 2011, Volume 1, Issue 1.
4. **Pradeep B S , Gangabaraiah & Usha S** ; Evaluation Of Immunization Coverage By Lot Quality Assurance Sampling In A Primary Health Center Area. The Internet Journal of public health , 2011 Volume 1 ,Issue 1.
5. **P Seema , B.G. Parasuramalu , Rajanna M S** ; Safety and Efficacy of two days of Rush Immunotherapy among patients with Allergic Rhinitis and Asthma. The Internet Journal of Asthma, Allergy and Immunology. 2012 Volume 8 Issue 1.
6. **Aswath Narayana D H, Ravish H S, Ramesh**

**Holla** ; Clinical evaluation of safety of equine rabies immunoglobulin : APCRI Journal 2011; 12(2): 12-15

7. Ravi Kumar K., Basha Riyaz, Harish B R, **Sanjay T V** ,Vinay M, Prabhu Suresh, Babu Ramesh ; A Coverage Evaluation Survey of JE Vaccination in two districts of Karnataka: Journal of Communicable Diseases 42(3) 2010 : 179-184.
8. Sandip Kumar Ray, Ritvik Amarchand, **Jayanthi Srikanth**, Kunal Kanti Majumdar ; A study on prevalence of bacteria in the hands of children and their perception on hand washing in two schools of Bangalore and Kolkata Indian Journal of Public Health, Volume 55,Issue 4, 293-297,October-November,2011.

#### Conference Presentation (Research papers) :

##### International :

- 1.**M K Sudarshan** : Initiatives of the Asian Rabies Expert Bureau – Rabies in the Americas Conference, September, 2011 Puerto Rico, USA.
- 2.**M K Sudarshan**: Rabies in Asia (RIA) Foundation - ongoing efforts - 3<sup>rd</sup> Rabies in Asia conference (RIACON), Colombo, Srilanka ,28-30<sup>th</sup> November,2011.
- 3.**M K Sudarshan** : What should be the time interval for a booster vaccination following re- exposure to rabies in previously vaccinated individuals Asian Rabies Expert Bureau, December, 2011, Pattaya, Thailand.
- 4.**Gangaboraiah**: Application of statistical methods in research on rabies - 3<sup>rd</sup> RIACON, Colombo, Srilanka ,28-30<sup>th</sup> November,2011.
- 5.**D H Ashwath Narayana** : Whether the new

one week (4-4-4-0-0) intradermal regimen is safe and immunogenic? : Results of a randomized controlled trial - 3<sup>rd</sup> RIACON, Colombo, Srilanka ,28-30<sup>th</sup> November,2011.

6. **N R Ramesh Masthi** : One health experiment, final report – 3<sup>rd</sup> RIACON, Colombo, Srilanka ,28-30<sup>th</sup> November,2011.
7. **H S Ravish** : Awareness of rabies prevention among anti rabies clinic medical officers - 3<sup>rd</sup> RIACON, Colombo, Srilanka , 28-30<sup>th</sup> November,2011.

##### National :

8. **M K Sudarshan** : A need for reassessing the burden of rabies in India - Outline of survey methods ;13<sup>th</sup> National Conference of Association for Prevention and Control of Rabies in India (APCRICON), Chennai, 9 - 10 July, 2011.
9. **M K Sudarshan** : IDRV- Newer trends ; 56<sup>th</sup> Indian Public Health Association Conference (IPHACON), Kochi,10-12<sup>th</sup> Feb, 2012.
- 10.**B G Parasuramalu**: Safety and Clinical efficacy of Ultra-rush Sublingual Immunotherapy among patients suffering from Allergic Rhinitis in World Organization of Family Doctors: South Asian Region ;FFPAI, organized by general practitioners association , Greater Bombay , 16 - 18<sup>th</sup>, December, 2011.
- 11.**D H Ashwath Narayana** : Abolishing Skin Sensitivity Test for Equine Rabies Immunoglobulin in India ; 13<sup>th</sup> APCRICON,

12. **N R Ramesh Masthi** : A case of human rabies in a blind patient - Confusion after corneal transplantation ;13<sup>th</sup> APCRICON, Chennai, 9 - 10 July, 2011.

13. **H S Ravish** : Time interval for booster vaccination following re exposure to rabies in previously vaccinated subjects; 13<sup>th</sup> APCRICON, Chennai, 9 - 10 July, 2011.

14. **Praveen Kulkarni** : Adopt a village: A Rural Rabies Prevention Project: Status Report; 13<sup>th</sup> APCRICON, Chennai, 9 - 10 July, 2011.

15. **R Balaji** : Clinical efficacy of ultra rush Sublingual Immunotherapy ;Indian Academy of Allergy Conference (IAAC) Bangalore, August, 2011.

16. **R. Balaji** : Profile of rush Immunotherapy at PMU, KIMSH&RC, Bangalore at ICAAICON 2011,MGMC,Aurangabad,16-18<sup>th</sup>Dec , 2011.

17. **M R Sathish Chandra**: A case report: Type I & Type IV hypersensitivity to parthenium hysterophorus in a patient suffering from Contact Dermatitis; IAAC, Bangalore, August,2011.

18. **M R Sathish Chandra** : A study on cost incurred by dengue syndrome patients admitted to medical college hospital-, Kengeri, 56<sup>th</sup> IPHACON, Kochi, 10 -12<sup>th</sup>Feb, 2012.

19. **V Veena**: Study of unmet need for family planning among pregnant women attending antenatal clinic of primary health centre, Kengeri, 56<sup>th</sup> IPHACON, Kochi,10-12<sup>th</sup>Feb, 2012.

20. **S Rekha**: Perception of illness among diabetics subjects in urban field practice area

of Kempegowda Institute of Medical Sciences, Bangalore, 56<sup>th</sup> IPHACON, Kochi,10 -12<sup>th</sup> Feb, 2012.

### State:

21. **Ramesh Holla**: Evaluation of national anti malarial programme at Bidar District ; 23<sup>rd</sup> Karnataka Association of Community Health Conference (KACHCON), Manipal, 21-22<sup>nd</sup>Oct ,2011.

22. **Praveen Kulkarni**: Coverage and compliance of mass drug administration programme Bidar District , 23<sup>rd</sup> KACHCON, Manipal, 21 - 22<sup>nd</sup>Oct ,2011.

23. **D P Arun Kumar** : Prevalence of obesity among elderly in urban locality Bangalore; 23<sup>rd</sup> KACHCON, Manipal, 21 - 22<sup>nd</sup>Oct ,2011.

24. **M R Sathish Chandra** : clinical features of dengue syndrome patients admitted to tertiary care hospital; 23<sup>rd</sup> KACHCON, Manipal, 21 - 22<sup>nd</sup>Oct ,2011.

25. **S Rekha** : Glycemic status and expenditure incurred in diabetic subjects in urban field practice area of KIMS, Bangalore; 23<sup>rd</sup> KACHCON, Manipal, 21 - 22<sup>nd</sup>Oct ,2011.

### Poster Presentation:

#### International:

26. **D H Ashwath Narayana**: A critical appraisal of usage of rabies immunoglobulins in an antirabies clinic in India, poster presentation - 3<sup>rd</sup> RIACON, Colombo, Srilanka ,28-30<sup>th</sup> November,2011.

27. **Ramesh Holla** : An appraisal of



interchangeability of rabies vaccines for PEP in Bangalore city, poster presentation - 3<sup>rd</sup> RIACON, Colombo, Srilanka ,28-30<sup>th</sup> November,2011.

**28.Praveen Kulkarni:** Innovative interventions for one health experiment in a rural rabies prevention project in India, poster presentation - 3<sup>rd</sup> RIACON,Colombo, Srilanka ,28-30<sup>th</sup> November,2011.

#### **National :**

**29.Jahnavi Rajagopal :** Depression among Elderly in Urban Field Practice Area of Kempegowda Institute of Medical Sciences, Bangalore, 56<sup>th</sup> IPHACON, Kochi,10 -12<sup>th</sup> Feb, 2012.

#### **State :**

**30.Jahnavi Rajagopal :** Midterm evaluation of name based information tracking system; 23<sup>rd</sup> KACHCON, Manipal, 21 -22<sup>nd</sup> Oct ,2011.

Drs. Chitra Nagaraj , Giryanna Gowda, Balaji R, Ramesh Holla , Arun Kumar, Sathish Chandra M R, Jahnavi Rajagopal, Veena V & Rekha S had made poster presentations of studies they had guided and conducted at IMA CHS Annual CME chapter, 4- 5<sup>th</sup> Feb, API Bhavan, Bangalore, 2012.

**Dr. Praveen Kulkarni** was awarded the best research paper presented in the international conference and **Drs. Praveen Kulkarni, M R Sathish Chandra** and **V Veena** had been awarded the best research papers presented in the national conference respectively.

#### **Staff Activities (Important):**

##### **Dr.M K Sudarshan :**

- **Key Speaker:** 13<sup>th</sup> National Conference on Rabies, APCRICON, July ,2011, Chennai, India
- **Key Speaker:** Rabies in the Americas Conference,September,2011 Puerto Rico, USA.
- **Key Speaker :** 3<sup>rd</sup> Rabies in Asia Conference, November, 2011, Colombo, Sri Lanka
- **Key Speaker :**Asian Rabies Expert Bureau, December, 2011, Pattaya, Thailand

##### **Dr.B G Parasuramalu:**

- **Speaker:** Indian Academy of Allergy Conference (IAAC), Bangalore, August, 2011.
- **Chairperson:** Karnataka Geriatric Conference,August 2011, BLDE University, Bijapur.
- **Chaired a Session :** 23<sup>rd</sup> KACH conference, October 2011.
- **Delegate:** 22<sup>nd</sup> Cardiology Conference, Bangalore,November2011.

##### **Dr.Gangaboriah :**

- **Speaker:** 3<sup>rd</sup> Rabies in Asia Conference, 2011, Colombo,Srilanka
- **Resource person** in the orientation to research methodology and biostatistics, KIMS,Bangalore,July,2011.

##### **Dr.D H Aswath Narayana :**

- **Principal Investigator**-Rabies clinical trials at PMU,KIMS,Bangalore.
- **Speaker :** Seminar on rabies, Singapore,April,2011.
- **Trainer** of Health care professional in IDRV & RIGs administration,Darasalam, Tanzania may,2011.
- **Speaker :** 3<sup>rd</sup> Rabies in Asia Conference,

### Dr.N R Ramesh Masthi :

- **Young Scientist Award** :13<sup>th</sup> National conference on Rabies, APCRICON, July, 2011.
- **Speaker** : 3<sup>rd</sup> Rabies in Asia Conference, November, 2011, Colombo, Sri Lanka
- **Coordinator** : KIMS & UTHSCSASOM, Texas, student exchange programme.

### Dr.T V Sanjay :

- **Delegate** : National CME on NVBDCP, PIMS, Pondicherry
- **Delegate**: Karnataka Geriatric Conference, August 2011,BLDE University,Bijapur.

### Dr.Chitra Nagaraj :

- **Speaker** : ICD10 to the Para Medical Staff, ROHFW, Bangalore
- **Delegate**: Allergy Workshop conducted by IAA, Mysore, August 2011.
- **Organized** foundation course orientation for first MBBS students, August 2011.
- **Delegate**: National Conference for Health Professional Education , CMC Vellore, September 2011.
- **Coordinator**: Medical Education Technology Workshop, KIMS, Bangalore, October 2011.
- **Conducted** : Study Skills Classes for first year MBBS students ,February 2012.

### Dr.H S Ravish :

- **Speaker** : 3<sup>rd</sup> Rabies in Asia Conference, 2011, Colombo, Srilanka .
- **Assistant Secretary**:3<sup>rd</sup> Rabies in Asia Conference,2011,Colombo,Srilanka .

### Dr.Jayanthi Srikanth:

- **Teacher in charge** of undergraduate students Internals examination and evaluation.

### Dr.Koradhanyamath :

- **Coordinator** between department and Directorate of Health and Family welfare services, Government of Karnataka, India.
- **Delegate** : 23<sup>rd</sup> KACH conference, October 2011.

### Dr.Giriyana Gowda :

- **Principal Investigator** : Evaluation of MDA programme for filariasis at Dakshina Kanada district, Karnataka,February, 2012.
- **Medical Officer** : Preventive Medicine Unit, KIMSH&RC,Bangalore.
- **Delegate**: Indian Academy of Allergy conference, Aurangabad, December, 2011.
- **Delegate** : 23<sup>rd</sup> KACH Conference, October 2011.tomorrow

### General Information :

#### **Staff :**

Dr Giriyana Gowda is the new staff to have joined the department and reported for duty on 1<sup>st</sup> July 2011 .

#### **Post Graduates:**

Dr. Kishore & Dr. Giriyana gowda had completed the course successfully. Drs.Sharmila, Shilpa, Maltesh U , Rachana A R and Kavitha S K are the new postgraduates to have joined the department from 2nd May 2011.

Drs Jahnavi Rajagopal & Veena V had been involved as monitors for Bangalore in the february NID round of pulse polio eradication programme of 2012.

#### **Interns:**

About 90 interns from the 2006 batch had completed the internship training programme successfully. A few of the interns had participated in projects.





**3<sup>rd</sup> Rabies in Asia Conference, 28-30<sup>th</sup> November, 2011, Colombo, Srilanka, :** Dr. K Mahadev, General Secretary, Vokaligara Sangha (sitting, 4<sup>th</sup> from left), Dr M K Sudarshan (5<sup>th</sup> from left), Dean & Principal, KIMS, Bangalore along with the staff and postgraduates of Community Medicine, KIMS, Bangalore at RIACON2011, Colombo, Srilanka.



**CME on Mental Health Programme, 15<sup>th</sup> March, 2012 :** Dr. B V Karur (Centre), Joint Director, Medical and Mental Health, Government of Karnataka addressing the gathering, Seminar Hall, Community Medicine Department, KIMS College, Bangalore.



**One Health Experiment — CDC, Atlanta staff at KIMS, Bangalore 11<sup>th</sup> October, 2011 :** Miss Lillian Ann Orciari (3<sup>rd</sup> from left) CDC, Atlanta, Dr M K Sudarshan (4<sup>th</sup> from left), Dean & Principal, KIMS, Bangalore with department staff, Seminar Hall, Community Medicine Department, KIMS College, Bangalore .



**CME on AFP Surveillance, 9<sup>th</sup> March, 2012, :** Dr B P Subramanya (4<sup>th</sup> from left) SMO, WHO-NPSP, Dr B G Parasuramalu (3<sup>rd</sup> from left), Professor & HOD of Community Medicine with department staff, Auditorium, 6<sup>th</sup> Floor, KIMSH&RC, Bangalore .





**Student Exchange Programme, February, 2012** : Medical students from the San Antonio School of Medicine, Texas at RHTC, Kengeri .



**Community Health Day, 17th March, 2012—PHC ,Kengeri-** Medical Officer, PHC staff, Post graduates and Interns –Health education to the community.



**Health Education session at a NGO centre, Bangalore :** Interns & Post Graduate interacting with the women July, 2011



**Government High School, W G, Bangalore , School Health Programme :** Interns & Post Graduate addressing the students on healthy living, September, 2011