

Dr. Yuvaraj Jayaraman, MD

Date of Birth: 11/05/1960

Current Designation: Scientist 'E'

Date of Joining Present Post: 4^h October, 2007

Date of Joining NIE: 8th December 2009

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Discipline: Social and Preventive Medicine

Foreign Visits:

- 1) Visit To Welcome Trust Centre For Epidemiology and Control Of Infectious Diseases, Oxford University, Oxford, United Kingdom Under the Academic Link Programme, From 2000-08-26 To 2000-09-26 to develop Curriculum for M.Sc., Medical Entomology Course.
- 2) Participated In WHO/TDR funded Workshop on "The Project Development Workshop On Human Resources Migration And Disease Control Programmes' at Edinburgh, United Kingdom From 2005-09-26 To 2005-09-30.
- 3) Training Workshop on Good Clinical Practices (GCP) for Potential WHO/TDR Clinical Monitors, Bangkok, Thailand, (22nd-27th August, 2005).
- 4) Refresher Course on GCP for TDR clinical Monitors, Hua Hin, Thailand, (16th -18th August 2006)

Manuals Published:

- Management of Lymphatic filariasis: A manual for clinicians. Pani SP, Yuvaraj J, & Vijayalakshmi G. VCRC Misc. Publ. (21) 1997.

Papers Published:

1. Pani S.P., Vanamail P., and Yuvaraj J. "Limb Circumference Measurement for Recording Edema Volume in Patients with Filarial Lymphedema." *Lymphology* 28, no. 2 (1995): 57-63.
2. Subramania Sivam, N, S Jayanthi, Ananthakrishnan N, Elango A., Yuvaraj J., Hoti S.L, and Pani S.P., "Tropical Vaginal Hydroceles: Are They All Filarial in Origin?" *Southeast Asian Journal of Tropical Medicine and Public Health* 26, no. 4 (1995): 739-42.
3. Pani S.P, Yuvaraj J., Vanamail P., Dhanda V., Michael E., Grenfell B.T., and Bundy D.A.P. "Episodic Adenolymphangitis and Lymphoedema in Patients with Bancroftian Filariasis." *Transactions of the Royal Society of Tropical Medicine and Hygiene* 89, no. 1 (1995): 72-74.
4. Subramania Sivam, N, Paily K.P., Elango A., Yuvaraj J., Pani S.P., and Ananthakrishnan N., "Detection of Adult Filarial Worms in Tunica Vaginalis Testis of Hydrocele Patients - a Modified Technique." *Tropical Biomedicine* 12, no. 2 (1995): 165-67.
5. Pani, S.P, and Yuvaraj J. "Epidemiology of Filarial Lymphoedema: Lymphology Society of India -1st Annual Conference Held at Medical College & Hospital, Thanjavur on 11-12 May 1996." *Lymphology Society of India* (1996).
6. Binoy C., Govardhana Rao Y., Ananthakrishnan N., Kate V., Yuvaraj J., and Pani S.P. "Omentoplasty in the Management of Filarial Lymphoedema." *Transactions of the Royal Society of Tropical Medicine and Hygiene* 92, no. 3 (1998): 317-19.
7. Sujatha S., Bhaskar M., Basudha K., Badrinath S., Radjame K., Elango A., and Yuvaraj J. "Passive Haemagglutination Test Using Soluble Antigens of Adult Female *Setaria Digitata* and Dynamics of Antibody Levels in Bancroftian Filarial Diseases." *Indian Journal of Medical Microbiology* 17, no. 1 (1999): 22-25.
8. Govardhana Rao Y., Ananthakrishnan N, Pani S.P., Kate V., Yuvaraj J., and Krishnamoorthy K., "Factors Influencing Response to Lymphonodovenous Shunt in Filarial Lymphoedema." *National Medical Journal of India* 12, no. 2 (1999): 55-58.
9. Vijayalakshmi N, Sambasiva Rao R., Anand Paul Kumar M.P., Yuvaraj, J., and Pani S.P. "Role of Aerobic Bacteria in the Aetio-Pathogenesis of Acute Adenolymphangitis (ADL) in Filarial Lymphoedema: Proceedings of the 17th International Congress of Lymphology, Chennai." *Lymphology* XVII (2000): 163.

10. Elango A, Paily K.P, Pani S.P, J Yuvaraj, and Anand Paul Kumar M.P. "Histopathology and Immunohistopathology of Skin of Different Grades of Lymphoedema (W.Bancrofti) in South India: Proceedings of the 17th International Congress of Lymphology, Chennai." *Lymphology XVII* (2000): 162.
11. Govardhana Rao, Y, N Ananthakrishnan, S.P Pani, V Kate, J Yuvaraj, and K Krishnamoorthy. "Lymphonodovenous Shunt for Filarial Lymphedema Reasons for Success and Failure: Proceedings of the 17th International Congress of Lymphology, Chennai." *Lymphology XVII* (2000): 171.
12. Pani, S.P, S.L Hoti, A Elango, J Yuvaraj, R Lall, and K.D Ramaiah. "Evaluation of the ICT Whole Blood Antigen Card Test to Detect Infection Due to Nocturnally Periodic Wuchereria Bancrofti in South India." *Tropical Medicine and International Health*. 5, no. 5 (2000): 359-63.
13. Michael, E, K.D Ramaiah, S.L Hoti, G Barker, M.R Paul, J Yuvaraj, P.K Das, B.T Grenfell, and D.A.P Bundy. "Quantifying Mosquito Biting Patterns on Humans by DNA Fingerprinting of Bloodmeals." *The American Journal of Tropical Medicine and Hygiene* 65, no. 6 (2001): 722-8.
14. Das, P.K, Ramaiah K.D., Vanamail P., Pani S.P., Yuvaraj J., Balarajan.K., and Bundy D.AP. "Placebo-Controlled Community Trial of Four Cycles of Single-Dose Diethylcarbamazine or Ivermectin against Wuchereria Bancrofti Infection and Transmission in India." *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 95, no. 3 (2001): 336-41.
15. Hoti, S.L, Elango A., Radjame K., Yuvaraj J., and Pani S.P. "Detection of Day Blood Filarial Antigens by Og4c3 Elisa Test Using Filter Paper Samples". *National Medical Journal of India*. 15, no. 5 (2002): 263-65.
16. Ramaiah K.D., Vanamail P., Pani S.P., Yuvaraj J., and Das P.K. "The Effect of Six Rounds of Single Dose Mass Treatment with Diethylcarbamazine or Ivermectin on Wuchereria Bancrofti Infection and Its Implications for Lymphatic Filariasis Elimination." *Tropical Medicine and International Health*. 7, no. 9 (2002): 767-74.
17. Renuka V., Yuvaraj J., & Umakantha A.G.,(2005). A study of safe motherhood in the urban slums of Davangere City. *Indian Journal of Community Medicine*. Vol. 30 no.1:6-7.
18. Hoti, S.L, Elango A., Radjame K., Yuvaraj J., and Pani S.P. (2002). Detection of day blood filarial antigens by Og4C3 ELISA test using filter paper samples. *National Medical Journal of India* 15 (5):263-265.
19. Ramaiah, K.D Vanamail P., Pani S.P., Yuvaraj J., and Das P.K. (2002) The effect of six rounds of single dose mass treatment with diethylcarbamazine or ivermectin on Wuchereria bancrofti infection and its implications for lymphatic filariasis elimination. *Tropical Medicine and International Health. Journal of Tropical Medicine & Hygiene*. 7 (9):767-74.
20. Vanamail P, Ramaiah K.D., Subramanian S., Pani S.P., Yuvaraj J., and Das P.K. (2005) Pattern of community compliance with spaced, single-dose, mass administrations of diethylcarbamazine or ivermectin, for the elimination of lymphatic filariasis from rural areas of southern India. *Annals of Tropical Medicine and Parasitology*. 99 (3):237-246.

21. Das, L.K., Yuvaraj, J., Vijayalakshmy, G. and Pani, S.P. Effect of manual lymphatic massage, pneumatic compression and interferential current therapy in the reduction oedema volume in lymphatic filariasis lymphoedema patients. *Indian J Lymphol* 3 (2006) 14.
22. Yuvaraj, J., Pani, S P., Vanamail, P., Ramaiah, K D., Das, P K. (2008) Impact of seven rounds of mass administration of diethylcarbamazine and ivermectin on prevalence of chronic lymphatic filariasis in south India. *Trop. Med. Int. Health* 13(5), 2008; 737-42.
23. Britto RLJ., Yuvaraj, J, and Das LK. (2008). Disuse atrophy of small muscles due to effusion of the synovial compartments of the dorsal wrist in CHIKV infection: A case Report. *J of the Japanese Society of Tropical Medicine*.
24. Sivagnaname, N., Yuvaraj J, and De Britto RLJ. (2008) An appropriate season for detecting microfilaria in Lymphatic filariasis elimination programmes. *Current Science*, VOL. 95, NO. 12, 25 P.1666-67.

Papers Presented

1. Sivam NS, Pani SP, Ananthakrishnan N, Vanamail P, Elango A, Jayanthi S, Yuvaraj J, Hoti SL. Etiology of endemic hydroceles : predictability of parasitological, immunological and other parameters for filarial diagnosis, XIX National Congress, IAMM, 1995, Abstract No. 131.
2. Sujatha S. Bhaskar M, Khanal B, Badrinath S, Elango A, Radjame K, Yuvaraj J, Pani SP. Evaluation of *Setaria digitata* antigen in serology of Bancroftian Filariasis. XIX National Congress, IAMM, 1995, Abstract No. 230.
3. Elango A, Pani SP, Sivam NS, Vanamail P, Yuvaraj J, Ananthakrishnan N. Serum and fluid immunoglobulins in hydrocele patients. XIX National Congress, IAMM, 1995, Abstract No. 249.
4. Yuvaraj J, & Pani SP,. Evaluation of effect of Interferential therapy on bancroftian lymphoedema at I Annual Conference of Lymphology Society of India, Thanjavur Medical College, Thanjavur, S. India.
5. Pani SP, & Yuvaraj J. Epidemiology of filarial lymphoedema at I Annual Conference of Lymphology Society of India, Thanjavur Medical College, Thanjavur, S. India.
6. Yuvaraj J, Pani S.P., and Das L.K. – Home Management of filarial lymphoedema; Puducherry Experience. 3rd National Seminar on Evidence Based & Integrated Medicine for lymphatic Filariasis, other Chronic Dermatoses and HIV/AIDS on between 5th and 7th February, 2008, Kasargod, Kerala.

Unpublished reports:

1. Report of the WHO /TDR study on "Double blind placebo controlled study to evaluate the efficacy of antibiotic/DEC or both to prevent ADL in *W. bancrofti*".
2. P.K. Das, S.P. Pani, K.D. Ramaiah, J. Yuvaraj, P.Vanamail. Evaluation of impact of mass chemotherapy with DEC/Ivermectin on transmission of bancroftian filariasis in South India. WHO/TDR Project. ID 92-7-2.
3. Feasibility and cost-effectiveness of alternative drug delivery strategies for large- scale treatment to control filariasis. WHO/TDR Project ID.
4. Report of the WHO /TDR study on "Double blind placebo controlled study to evaluate the efficacy of antibiotic/DEC or both to prevent ADL in *W. bancrofti*" Project ID.940118.
5. Investigation of alleged reactions to mass drug administration of DEC tablets in Tiruchirappalli City in 2004.
6. Study on Selected Aspects of Protein Energy Malnutrition in Pre-school Children in the Urban Field Practice Area of the Department of Community Medicine, M.S. Ramaiah Medical College, Bangalore. Submitted in partial fulfillment for the M.D. (Com. Med.) Degree.
7. Co-Guided thesis work of MD Students from Erasmus University on 'Chikungunya infection: management practices of physicians in Puducherry' in 2007.

National/International Conferences/Seminars etc., Attended:

1. I Annual Conference of the Lymphology Society of India, Thanjavur held on 12th May 1996 and presented 2 paper(s)
2. II Annual Conference of the Lymphology Society of India, Chennai 14715th June held on 12th May 1997 and participated actively in the proceedings.
3. International Conference on Opportunities and Challenges in Health Management Education in India, BITS, Pilani held on 12713th November, 1998.
4. 3rd National Seminar on Evidence Based & Integrated Medicine for lymphatic Filariasis, other Chronic Dermatoses and HIV/AIDS on between 5th and 7th February, 2008, Kasargod, Kerala.

Meetings:

- WHO funded 'Regional Functional Group Meeting of Health System Research' @ JIPMER held on 21/3/97.
- Visit To Welcome Trust Centre For Epidemiology and Control Of Infectious Diseases Under the Academic Link Programme, Oxford, United Kingdom From 2000-08-26 To 2000-09-26 for development of Curriculum for M.Sc., Medical Entomology Course.

- Participated In 'The Project Development Workshop On Human Resources Migration And Disease Control Programmes' at Edinburgh, United Kingdom From 2005-09-26 To 2005-09-30.
- VCRC/NVBDCP Meeting for finalization of "Guidelines for Elimination of Lymphatic Filariasis" 24-25th July, 2006 at VCRC, Puducherry.

Training Programmes:

- Fifth Summer Programme in Biostatistics at CMC, Vellore held between 12th and 30th June 1995.
- Biostatistical Techniques in Controlled Clinical Trials at IRMS, Madras held between 4th and 15th June 1996.
- Post Graduate Training Programme on DOTS under RNTCP in India, at National Tuberculosis Institute, Bangalore between September 9th and November 19th, 2002.
- National Seminar on Clinical Trials – From Concepts to Challenges, at NIPER held between 8th and 9th August 2004.
- National Workshop on Good Clinical Practice & Requirements for Clinical Trials in India, Organized by Central Drugs Standard Control Organization, Govt. of India at JIPMER, Pondicherry, (18th –19th Oct. 2005).
- Indo-US Workshop on Bioethics in Clinical Research, Jointly Organized by ICMR, Dept. of Biotechnology, and US Department of Health Services at New Delhi, (20-22 June, 2006)

Training programmes Facilitated:

- Facilitator for WHO Funded 'Comprehensive Vector Control' training programme conducted at VCRC in 2000.
- Facilitator for PSBH* programmes conducted in
 - September 2000 and at M.S. Ramaiah Medical College, Bangalore,
 - June 2003 Al Ameen Medical College, Bijapur, Deccan Institute of Medical Sciences, Hyderabad.

*'Problem Solving for Better Health' is an endeavor to equip and promote research among undergraduate medical students, a collaborative effort by 'Health Action By People' Trivandrum, and Dreyfus foundation, New York, USA.