

**BIOGRAPHICAL SKETCH**

NAME SWAMINATHAN SOUMYA		POSITION TITLE DEPUTY DIRECTOR (Sr Grade)	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Armed Forces Medical College Pune, India All India Institute of Medical Institute, New Delhi, India	M.B.B.S M.D.	1980 1985	Medicine Pediatrics
National Academy of Medical Sciences, N. Delhi Children's Hospital of Los Angeles, USA	D.N.B. Fellowship	1986 1989	Pediatrics Pediatric Pulmonology

**A. Research and/or Professional Experience**

1985-1986	Sr. Resident, Department of Pediatrics, AIIMS, New Delhi
1987-1989	Fellowship in Pediatric Pulmonology, Children's Hospital of Los Angeles, CA, USA
1989-1990	Research Fellowship, Department of Pediatrics, Leicester Royal Infirmary, Leicester, UK
1992-1997	Assistant Director, Tuberculosis Research Centre, Chennai
1997- 2002	Deputy Director, Tuberculosis Research Centre
2002- till date	Deputy Director Senior Grade, Head of Division of HIV/AIDS, Tuberculosis Research Centre

**Honours**

1. President's Gold medal for the best academic performance in the year 1980, Armed Forces Medical College, Pune
2. Kalinga Trophy for the best all-round outgoing student performance in the year 1980, Armed Forces Medical College, Pune

**Membership on Committees**

Member, International Editorial Board, Pediatric Respiratory Reviews, UK.

Life Member, Indian Academy of Pediatrics

Member, National Editorial Advisory Board, Indian Journal of Pediatrics.

Member, Project Review Committees on HIV/AIDS and Tuberculosis, Indian Council of Medical Research, New Delhi

**B. Selected Publications**

1. **Swaminathan S**, Umadevi P, Shantha S, Radhakrishnan A and Datta M. Serodiagnosis of tuberculosis in children: an evaluation of two ELISA kits. **Ind J Pediatr** 1999; 66: 837-842.
2. **Soumya Swaminathan**, Jianhua Gong, Buka Samten, Luke E Hanna, PR Narayanan and Peter F Barnes Cytokine Production in children with tuberculosis infection and disease. **Clinical Infectious Diseases** 1999; 28: 1290-3.
3. **Soumya Swaminathan** Pulmonary function testing in office practice. **Ind J Pediatr** 1999; 66: 905-914.
4. **Soumya Swaminathan**, KS Nandini, LE Hanna, N Somu, PR Narayanan and PF Barnes Lymphocyte Subsets in children with tuberculosis. **Indian Pediatrics** 2000; 37: 489-495.
5. **S Swaminathan**, R Ramachandran, G Baskaran, CN Paramasivan, U Ramanathan, P Venkatesan, R Prabhakar and M Datta. Risk of development of tuberculosis in HIV infected patients. **Int J Tuberc Lung Dis** 2000; 4: 839-844.
6. **Soumya Swaminathan** Treatment of Tuberculosis. **Ind J Pediatr** 2000; 67: S14-S20.
7. Manjula Datta and **Soumya Swaminathan**. Global Aspects of tuberculosis in children. **Pediatric Respiratory Reviews** 2001; 2: 91-96.
8. **Soumya Swaminathan**, M Sangeetha, N Arun Kumar et.al. Pulmonary tuberculosis in HIV positive individuals: Preliminary report on clinical features and response to treatment. **Ind J Tuberculosis** 2002; 49: 189-193
9. Shibichakravarthy K, Raj B Singh, **Soumya Swaminathan** and Venkatesan P. Prevalence of asthma in urban and rural South Indian children. **National Medical Journal of India** 2002; 15: 260-3.
10. Ramalingam B, Uma Devi KR, **Soumya Swaminathan** and A Raja. Isotype specific antibody response in childhood tuberculosis against purified 38kDa antigen of Mycobacterium tuberculosis. **J Tropical Pediatrics** 2002; 48(3): 188-189.
11. **Swaminathan S** Clinical presentation and treatment of HIV/TB. **Ind J Tub** 2002; 49: 11-16.
12. Ranjani Ramachandran, **Soumya Swaminathan**, Sulochana, Asghar, P Paramesh and CN Paramasivan Mycobacteremia in HIV+ patients with tuberculosis. **Ind J Tub** 2002; 50: 29-31.

13. **Soumya Swaminathan**, KV Kuppurao, N Somu and VK Vijayan. Reduced work capacity in children with non cystic fibrosis bronchiectasis. **Ind J Pediatr** 2003; 70: 553-556.
14. **Soumya Swaminathan**, Luke Elizabeth Hanna, Alamelu Raja, Sankaran K and N Arun Kumar Age-related changes in blood lymphocyte subsets of South Indian children. **The National Medical Journal of India**. 2003; 16:249-252.
15. R Ramachandran, M Datta, G Baskaran, R Subramani, C.N. Paramasivan and **Soumya Swaminathan** Seroprevalence of HIV among tuberculosis patients in South India. **Indian Journal of Medical Research**. 2003; 118 (10):1-5.
16. R Ramachandran, **S. Swaminathan**, S Sulochana, C N Paramasivan. Nocardia Bacteraemia in an HIV Positive Patient – A Case Report. **Indian Journal of Medical Microbiology** 2003; 21(4): 287-288.
17. Sudha Subramanyam, LE Hanna, P Venkatesan, PR Narayanan and **Soumya Swaminathan** HIV Alters Plasma and *M. tuberculosis*-induced Cytokine production in patients with tuberculosis **Journal Of Interferon & Cytokine Research** 2004; 24: 101-106.
18. Prema Gurumurthy, G Ramachandran, Hemmanth Kumar AK, Rajasekaran S, Padmapriyadarsini C, **Swaminathan S** et al Malabsorption of Rifampicin and Isoniazid in HIV-infected patients with and without tuberculosis. **Clinical Infectious Diseases**. 2004; 38:280-3.
19. Beena Elizabeth Thomas, Fathima Rehman, Muniyandi Malaisamy, Meenalochani Dilip, Mohanarani Suhadev, Padmapriyadarsini, Narendar Kilathi Purushotham and **Soumya Swaminathan** A study of condom acceptability among men in an urban population in South India. **AIDS and Behavior** 2004; 8(2): 215 – 220
20. Geetha Ramachandran, Elke S Perloff, Lisa L von Molte, **Soumya Swaminathan**, Christine A. Wanke and David J Greenblatt. Analysis of generic antiretroviral formulations manufactured in India. **AIDS** 2004; 18(10): 1482 – 84.
21. **Soumya Swaminathan**. Tuberculosis in HIV-infected children. **Paediatric Respiratory Reviews** 2004; 5; 225 – 230.
22. **Swaminathan**, CN Paramasivan, SR Kumar, V Mohan, P Venkatesan Unrecognized tuberculosis in HIV-infected patients: Sputum culture is a useful tool. **Int J Tuberc Lung Dis** 2004; 8(7): 896-898
23. Prema Gurumurthy, G Ramachandran, Hemanth Kumar AK, Rajasekaran, Padmapriyadarsini C, **Swaminathan S** et al. Decreased Bioavailability of Rifampicin and other anti-tuberculosis drugs in patients with advanced disease. **Antimicrobial agents and chemotherapy** 2004; 48:4473-76.
24. **S Swaminathan**, S Rajasekaran, K Shibichakravarthy, VA Amarendran, K Raja, Lalitha Hari, Sujatha Narayanan. Multiple Recurrences of Tuberculosis in an HIV Infected Individual. **J Association of Physicians of India**.2004 (6); 52: 513 – 514
25. **Soumya Swaminathan**. Protective Efficacy of BCG. **Ind J Pediatr** 2004; 71: 1083 - 1084
26. Chandra Immanuel, Lalitha Victor, K Silambu Chelvi, C Padmapriyadarsini, Fathima Rehman, Sheikh Iliyas and **Soumya Swaminathan**. . Serum neopterin levels in HIV infected patients with & without tuberculosis. **Indian J Med Res** 2005; 121: 220-225
27. **Soumya Swaminathan**, Aarti Raghavan, Manjula Datta, CN Paramasivan and KC Saravanan. Computerized Tomography detects pulmonary lesions in children with normal radiographs diagnosed to have tuberculosis. **Ind Pediatrics** 2005;42:258-262.
28. C. Prabha, S. Karthic, Sulochana D. Dos, **Soumya Swaminathan**, Sudha Subramanyam, B. Sukumar. Impact of Tuberculosis on Serum Leptin Levels in patients with HIV infection. **Hormone** 2005.63:228-233.
29. **Soumya Swaminathan**, A. Raghavan, M. Duraipandian, A. S. Kripasankar, P. Ramachandran. Short course chemotherapy for paediatric respiratory tuberculosis: 5-year Report. **Int J Tuberc Lung Dis** 9(6), 2005.
30. Geetha Ramachandran, Agibothu Kupparam Hemanth Kumar, Prema Gurumurthy, Sigamani Rajasekaran, Chandrasekaran Padmapriyadarsini, DNB; Sivathanu Bhagavathy, Mphil; Perumal Venkatesan, PhD; Lakshmanan Sekar, M.Sc; **Soumya Swaminathan**, MD. Effect of HIV on pharmacokinetics of antituberculosis drugs. **Contagion** 2004; 2:2-3
31. C. Padmapriyadarsini & **Soumya Swaminathan**. Preventive therapy for tuberculosis in HIV infected individuals. **Indian J Med res**, 2005; 121: 415-423.
32. **Soumya Swaminathan**, C.N. Paramasivan, C. Ponnuraja, S.Iliayas, S. Rajasekaran, P.R. Narayanan. Anti-tuberculosis drug resistance in patients with HIV and tuberculosis in South India. **Int J Tuberc Lung Dis** 2005. 9(8): 896-900.
33. Beena E Thomas, Suryanarayanan D, Muniyandi M, Meenalochani Dilip, Rajasekaran S, **Soumya Swaminathan**. Is awareness of HIV enough to alter high-risk behaviour? What do HIV positive individuals have to say? A study from south India. **SAARC Journal of Tuberculosis, Lung Diseases and HIV/AIDS** 2005; II (1): 1-9.
34. Beena E Thomas, Josephine Arockiaselvi, Suryanarayanan D, Fathima Rehman, Padmapriyadarsini, **Soumya Swaminathan**. Gender difference in perceived health related quality of life among persons living with HIV – A study from Chennai, South India. **SAARC Journal of Tuberculosis, Lung Diseases and HIV/AIDS** 2005; II (1): 15-22.
35. Beena E Thomas, Fathima Rehman, Suryanarayanan D, K Josephine, M. Dilip, V.S. Dorairaj and **Soumya Swaminathan**. How stigmatizing is stigma in the life of people living with HIV: A study on HIV positive individuals from Chennai, South India. **AIDS CARE** 2005; 17(7): 795 - 801.
36. **Soumya Swaminathan**, C. Padmapriyadarsini, G. Narendran, Beena E Thomas, S. Anand and Aishwarya Rajalakshmi. Immune Reconstitution Syndrome Following Initiation of Antiretroviral Therapy in a Patient with HIV Infection and Multidrug-resistant Tuberculosis. **Indian J Chest Dis Allied Sci** 2005; 47: 299-304.

37. Hanna LE, Bose JC, Nayak K, Subramanyam S, **Swaminathan S**. Short communication: Influence of active tuberculosis on chemokine and chemokine receptor expression in HIV-infected persons. **AIDS Res Hum Retroviruses** 2005; 21(12): 997-1002.
38. Ramachandran G, Kumar AK, **Swaminathan S**, Venkatesan P, Kumaraswami V, Greenblatt DJ. Simple and rapid chromatography method for determination of efavirenz in plasma. **J Chromatogr B Analyt Technol Biomed Life Sci** 2006; 835(1-2): 131-135.
39. **Swaminathan S**, Luetkemeyer A, Srikantiah P, Lin R, Charlebois E, Havlir DV. Antiretroviral therapy and TB. **Trop Doct** 2006; 36(2): 73-79.
40. Ramachandran G, Hemanth Kumar AK, Rajasekaran S, Padmapriyadarsini C, Narendran G, Sukumar B, Sathishnarayan S, Raja K, Kumaraswami V, **Swaminathan S**. Increasing Nevirapine dose can overcome reduced bioavailability due to Rifampicin coadministration. **J Acquir Immune Defic Syndr** 2006; 1-6.
41. Padmapriyadarsini C, Jagdish Chandrabose, Lalitha victor, Luke Elizabeth Hanna, **Soumya Swaminathan**, Arun Kumar et al: Hepatitis B and C coinfection in HIV infected individuals and effect of antituberculosis drugs on their liver functions. **J Postgrad Med** 2006; 52: 92-96.
42. Kumar AK, Ramachandran G, Saradha B, Narendran G, **Swaminathan S**. Urine nevirapine as a predictor of antiretroviral adherence. **Indian J Med Res** 2006; 123 (4): 565-568.
43. Ramachandran G, Hemanthkumar AK, Kumaraswami V, **Swaminathan S**. A simple and rapid liquid chromatography method for simultaneous determination of zidovudine and nevirapine in plasma. **J Chromatogr B Analyt Technol Biomed Life Sci** 2006; 835: 131- 135.
44. Narendran G, **Swaminathan S**, Sathish S, Rajasekaran S. Immune reconstitution syndrome in a child with TB and HIV. **Indian J Pediatr** 2006; 73 (7): 627-629.
45. Nyamathi AM, Suhadev M, **Swaminathan S**, Fahey JL. Perceptions of a Community Sample about Participation in Future HIV Vaccine Trials in South India. **AIDS Behav.** 2007 Jul;11(4):619-27
46. Selvaraj P, **Swaminathan S**, Alagarasu K, Raghavan S, Narendran G, Narayanan P. Association of Human Leukocyte Antigen-A11 With Resistance and B40 and DR2 With Susceptibility to HIV-1 Infection in South India. **J Acquir Immune Defic Syndr.** 2006 Dec 1;43(4):497-9.
47. **Soumya Swaminathan**, G. Narendran, Pradeep A. Menon, C. Padmapriyadarsini, N.Arunkumar, N.M. Sudharshanam, S. Ramesh Kumar and S. Chandrasekhar. Impact of HIV infection on radiographic features in patients with pulmonary tuberculosis. **Indian J Chest Dis Allied Sci** 2007; 49: 133-136.
48. Mohanarani Suhadev, Adeline M. Nyamathi, Soumya Swaminathan, P. Venkatesan, M. Raja Sakthivel, R. Shenbagavalli, Anitha Suresh & John L. Fahey. A pilot study on willingness to participate in future preventive HIV vaccine trials. **Indian J Med Res** 2006; 124 (6): 631-640.
49. Kumar AK, Ramachandran G, Kumar P, Kumaraswami V, **Swaminathan S**. Can urine lamivudine be used to monitor antiretroviral treatment adherence? **MedGenMed** 2006 Dec 13; 8(4):53
50. Geetha Ramachandran, A.K. Hemanth Kumar, K. Sarala, C. Padmapriyadarsini, S. Anitha, C.B. Tharani, V. Kumaraswami & Soumya Swaminathan. Urine levels of rifampicin & isoniazid in asymptomatic HIV-positive individuals. **Indian J Med Res** 2007; 125: 763-766.
51. N. Poorana Ganga Devi, S. Nataraja Rathinam, Ranjani Ramachandran, **Soumya Swaminathan**. Recurrent Herpes Zoster in Early Childhood. **Indian J Pediatr** 2007 Aug;74(8):774-6.
52. Banu Rekha and **Soumya Swaminathan**. Childhood tuberculosis – global epidemiology and the impact of HIV. **Paediatr Respir Rev.** 2007 Jun;8(2):99-106
53. Lakshmi S, Ramesh K, Valerie Jauvin, Marie Helene Schrive, Ranjani Ramachandran, Narayanan P.R, Herve J Fleury, **Soumya Swaminathan**. Characterization of HIV-1 Isolates from Anti-retroviral Naive Children in South India. **AIDS Res Hum Retroviruses** 2007 Sep;23(9):1119-26.
54. Hemanth Kumar AK, Ramachandran G, Kumar P, Anitha S, Rajasekaran S, **Swaminathan S**. Effect of anticoagulants on plasma nevirapine and efavirenz concentrations. **Ther Drug Monit** 2007; 29(5):652-4.
55. Kalichamy Alagarasu, Paramasivam Selvaraj, **Soumya Swaminathan**, Sampathkumar Raghavan, Gopalan Narendran, Paranj R.Narayanan. Mannose binding lectin gene variants and susceptibility to tuberculosis in HIV-1 infected patients of south India. **Tuberculosis** 2007;87(6):535-43.
56. V.V. Banu Rekha, Rani Balasubramanian, Soumya Swaminathan, Rajeswari Ramachandran, Fathima Rahman, V. Sundaram, K.Thyagarajan, N. Selvakumar, A.R. Adhilakshmi, Sheik Iliayas & P.R. Narayanan. Sputum conversion at the end of intensive phase of Category-1 regimen in the treatment of pulmonary tuberculosis patients with diabetes mellitus or HIV infection: An analysis of risk factors. **Indian J Med Res** 126, November 2007, pp 452-458
57. **Soumya Swaminathan**, Padmapriyadarsini.C, Ranjani Ramachandran, Pradeep A Menon, Nalini S Mohan, Kubendiran G, Paramasivan C.N. Localized Pulmonary Mycobacterium avium Disease in Acquired Immunodeficiency Syndrome. **J Int Assoc Physicians AIDS Care (Chic Ill).** 2007 Sep 14; [Epub ahead of print].
58. **Swaminathan S**, Padmapriyadarsini C, Ponnuraja C. Sumathi CH, Rajasekaran S, Amerandran VA, Reddy MVK, Deivanayagam CN. Miliary Tuberculosis in Human Immunodeficiency virus (HIV) infected Patients Not on Antiretroviral Therapy: Clinical Profile and Response to Short Course Chemotherapy. **J Postgrad Med** 2007; 53 (4): 228-231.

59. **Soumya Swaminathan**, Ramnath Subbaraman, Perumal Venkatesan, Sudha Subramanyam, S. Ramesh Kumar, Kenneth H. Mayer, P.R. Narayanan. Tuberculin skin test results in HIV-infected patients in India: Implications for latent tuberculosis treatment. In press, **International Journal of Tuberculosis and Lung Diseases**.
60. Beena E Thomas, Ranjani Ramachandran, Anitha S, **Soumya Swaminathan**. Feasibility of routine HIV testing among TB patients through a Voluntary, Counseling and Testing Centre (VCTC). Accepted for publication in the '**International Journal of Tuberculosis and Lung Diseases**'.
61. **Soumya Swaminathan**, C. Padmapriyadarsini, B. Sukumar, Sheikh Ilyas, C.Triveni, R.Gomathy, S. Ramesh Kumar, Mohanarani Suhadev, Minnie Mathew, P.R.Narayanan. Impact of Tuberculosis on the nutritional status of HIV infected Individuals in South India. Accepted for publication in '**Clinical Infectious Diseases**'.
62. Siddharth Bakshi, Geetha Ramachandran, Karunaianandham Ramesh, Agibothu K. Hemanthkumar, Suresh Anitha, Chandrasekaran Padmapriyadarsini, Gopalan Narendran, Pradeep A. Menon, Sikhamani Rajasekaran, **Soumya Swaminathan**. Study of ABCB1 polymorphism (C3435T) in HIV-1-infected individuals from south India. Accepted for publication in the '**British Journal of Clinical Pharmacology**'.
63. **Soumya Swaminathan**, Manjula Datta, M.P.Radhamani, Sara Mathew, AM Reetha, Sarala Rajajee, Rema Mathew, A Radhakrishnan, MB Raghu. A profile of bacteriologically confirmed pulmonary tuberculosis in children. Submitted for publication in '**Indian Pediatrics**'.
64. Luke Elizabeth Hanna, Kaustuv Nayak, Sudha Subramanyam, Perumal Venkatesan, Paranji Ramaiyengar Narayanan and **Soumya Swaminathan**. Incomplete immunological recovery following six months of anti-tuberculosis treatment in HIV patients co-infected with Mycobacterium tuberculosis. Submitted for publication in the '**Indian Journal of Medical Research**'.
65. Padmapriyadarsini C, Soumya Swaminathan, C.Ponnuraja, Sudha Subramanyam, Sheik Ilyas, Pradeep A Menon. Marked Immunological Deterioration in HIV- associated TB at higher CD4+ T- cell counts. Submitted for publication in the '**Lancet**'.
66. Poorana Ganga Devi.N, Shenbagavalli.R, Sudha Subramanyam, Subramani.K, Ramesh.K, Nataraja Rathinam.S, **Soumya Swaminathan**. Rapid progression of HIV infection in infancy. Submitted for publication in '**Indian Pediatrics**'

#### **C. Book Chapter**

1. G. Narendran and **Soumya Swaminathan**. Extra pulmonary tuberculosis. **Medicine Update** 2005. Edited by SB Gupta
2. A.R Adhilakshmi and **Soumya Swaminathan**. Epidemiology of Tuberculosis in Children Common MDR Infections in Children- Typhoid, Tuberculosis, Malaria edited by Nurpur Ganguly, Ritabrata Kundu and Tapan Kr Ghosh, Published by CBS Publishers and Distributors, New Delhi, Bangalore – 2005.
3. A Kher and **Swaminathan S**. Pulmonary Function testing in children. In **Indian Academy of Pediatrics Textbook of Pediatrics**, Editors A Parthasarathy, PSN Menon and MKC Nair, Jaypee Publishers, 1999.
4. **Swaminathan S** and Narayanan PR.HIV/AIDS and Tuberculosis. In HIV/AIDS: Diagnosis and Management. **Ed Vinay Kulkarni, 1999, Bhalani Medical Book House**, Mumbai, pg 119-126.
5. **Swaminathan S** and Seth V Immunopathogenesis of tuberculosis. In Essentials of Tuberculosis in Children. **Ed Vimlesh Seth, 1997, Jaypee Publications**, New Delhi.
6. **S Swaminathan**. Drugs used in tuberculosis and leprosy. **Side effects of Drugs Annual 28. Edited by J.K. Aronson, Elsevier, 2005**.
7. PA Menon, **Soumya Swaminathan**, JR Sankaran. Multidrug-resistant tuberculosis (MDR-TB). **Clinical Medicine Update-2006**. Indian Association of Clinical Medicine. Pg-361-367.

#### **D. Completed Research Projects**

- 1) Indian Council of Medical Research Task Force on HIV/TB 3/04 – 3/06  
Title: Randomized clinical trial to assess the efficacy of short course intermittent regimens for the treatment of HIV-associated tuberculosis  
Role: PI
- 2) Sir Ratan Tata Trust 4/01 – 3/04  
Title: Randomized clinical trial to evaluate the role of inhaled steroids in reducing fibrosis in patients with pulmonary tuberculosis.  
Role: PI
- 3) UCLA AIDS Institute Seed grant 4/02 – 3/04  
Title: Study of immune activation markers in patients with HIV and tuberculosis.  
Role: PI
- 4) World Food Program 12/02 – 06/04  
Title: Food assistance to improve treatment outcome for HIV patients  
Role: PI

#### **E. Ongoing Research Support**

- 1) National AIDS Control Organization 05/05 – 04/08  
Title: Evaluation of safety and efficacy of two different once daily anti-retroviral treatment regimens along with anti-tuberculosis treatment in patients with HIV-1 and tuberculosis  
Role: PI
- 2) Indo-US Joint Working Group on Maternal and Child Health (NIH/ICMR) 01/07 – 12/08  
Title: Innate and adaptive immunity in children starting antiretroviral drugs in India  
Role: PI
- 3) National Institute of Allergy and Infectious Diseases (NIAID), NIH 04/07 – 03/08  
Title: Changes in HIV viral load in patients undergoing treatment for filarial infection  
Role: PI
- 4) Indo-US Joint Working Group on Maternal and Child Health (NIH/ICMR) 2007-2008  
Community-Based Approach to Designing an AIDS Program for HIV+ Mothers in India  
Role: PI
- 5) Harvard University 2006 – 2007  
Title: Behavioral risk factor and HIV Sero prevalence among men who have sex with men in Chennai  
Role: Co-PI