

## Scientist Profile

Name Dr.G.Narendran  
Designation Sc E , medical  
Date of Birth 28-11-1973  
Date of Joining 25-01-2005  
Date of joining present post 1-09-2016  
Discipline Pulmonologist  
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\* Mandatory

### Educational Qualifications *(begin with descending order)*

DEGREE	INSTITUTION AND LOCATION	YEAR(s)	FIELD OF STUDY
Madras Medical College, Madras,	M.B, B.S D.T.R.D.	1997	Medicine TB and Chest diseases
Madras Medical College, Madras		2000	
Institute of Thoracic Medicine, Madras Medical College, Madras (Master degree in Chest, National Board, New Delhi)	D.N.B.(Chest)	2002	Pulmonology

### 1. Research Experience

2. Senior Research Fellow, HIV division, Tuberculosis 2002-2005.

Research Centre, Chennai

3) Tuberculosis Research Centre, Chennai 2005 onwards

**Mentor: Dr.Soumya Swaminathan, former DG ICMR & Chief scientist, WHO**

<b>S. No</b>	<b>Randomised controlled Clinical Studies</b>
1	Efficacy of a 6 vs. a 9-month intermittent treatment regimen in HIV-infected TB patients: A Randomized Clinical Trial (RCT). <b>Role: Co-PI (Completed)</b>
2	Efficacy of a six-month versus a 36-month regimen for prevention of tuberculosis in HIV-infected persons in India: a Randomized Clinical Trial <b>Role: Co-Investigator ( Completed)</b>
3	Efficacy and Safety of Once-Daily Nevirapine- or Efavirenz-Based Antiretroviral Therapy in HIV Associated Tuberculosis: A Randomized Clinical Trial. <b>Role: Co-Investigator ( Completed)</b>
4	RCT Comparing Daily Vs. Intermittent 6 M-ATT in reducing Failures & Emergence of Acquired Rifampicin Resistance (ARR) in HIV-TB – study XXV <b>Role: PI (completed)</b>
5	STREAM The evaluation of a standard treatment regimen of anti-tuberculosis drugs for patients with MDR-TB Acronym - STREAM study Stage II <b>Role: Nodal PI for India ( ongoing )</b>
	<b>Other studies</b>
6	Meta-analysis Meta-analysis of Individual Patient Data (IPD) of patients with INH (mono or poly-drug) Resistant Tuberculosis. <b>Role: PI from NIRT ( completed )</b>
7	Data Mart A proposed local data mart for data warehouse architecture for existing five decades Tuberculosis data source at NIRT. <b>Role: Co-NIRT ( Completed)</b>
8	Genetic basis of HIV transmission Genetic basis for HIV transmission, resistance and disease progression: polymorphism in MHC, Chemokine/cytokine and their receptor genes. <b>Role: Co-PI( Completed)</b>
9	Predictors and Immunologic Characterization of Tuberculosis-associated Immune Reconstitution Inflammatory Syndrome in HIV-TB patients started on antiretroviral therapy. <b>Role: PI (Completed)</b>
10	Daily vs Intermittent Pk Comparative pharmacokinetics of rifampicin given daily and intermittently in patients with HIV-TB co-infection. <b>Role:Co-PI (Completed)</b>
11	Incidence of TB among Diabetics attending OPD <b>Role : Site PI ( Completed)</b>
12	R- 21 Grant – role of myeloid derived suppressor cells in Mycobacterium

tuberculosis reactivation in HIV –MTB co-infected individuals. <b>(Funded by NIH) grant no. NIH/414854/1 R21 AI127132-01)</b> <b>Role : Co-investigator , just commenced</b>
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3. Membership/Fellowship of Professional Societies/Associations :

- 1) Ex-affiliate member , Fellow of the American college of Chest physicians
- 2) Member, International AIDS Society 2012-2013, 2016-
- 3) Member of CDSCO monitoring committee Chennai – subject expert
- 4) Member MD chest curriculum, Dr.M.G.R Medical University 2013
- 5) Member, IRB GHTM, Tambaram TB sanatorium – 2012-2015
- 6) Member, Expert Panel on TB consortium – ICMR 2016-
- 7) IRB member , Government Hospital of Thoracic Medicine, Tambaram
- 8) National and regional Distance learning seminar conducted by NACO and ITECH – faculty
- 9) Member , India TB Research consortium , New Delhi – Therapeutics group
- 10) Member Editorial Board , APT , TamilNadu

4. Workshops/Conferences/Symposiums presented – selected list

**Oral presentation at International Conferences**

1. **First Author- Daily regimen is better than intermittent regimen in HIV with pulmonary TB –AIDS 2016 Durban, South Africa**
2. **First Author** “Role of IL-6 as a predictor of paradoxical IRIS among a HIV-TB cohort in India” in the satellite conference –**THSA20 presented at the AIDS 2012 conference at Washington DC, USA**
3. **Plenary session speaker**, “HIV infection and TB” 7<sup>th</sup> World workshop on oral health and diseases in AIDS, 6-9<sup>th</sup> November 2014, Hyderabad.

**Selected Oral Presentations/Guest lectures within India**

	<b>Title of the Lecture</b>	<b>Place, year and organisers</b>
1	Newer ATT drugs and Drug resistant	State TB cell, at GHTM Tambaram 2013

	TB	
2	HIV and TB – the double trouble	Madras Medical College, Madras 2013 Department of Medicine and Chest
3	Recent concepts and advances in HIV-TB management	DTO's office 2013, State TB cell
4	Management Issues in HIV-TB	Pondicherry Institute of Medical Sciences , Pondicherry, 2014, Microbiology Department
5	HIV-TB update at, Department of Pulmonary Medicine, on 22.08.14	SRM Medical College 2014, Dept. of Pulmonary Medicine
6	TB-HIV, a catastrophic comradeship	CME at Meenakshi Medical College, Kanchipuram 23.05.15 by Chest Department.
7	TB- The past, the present and the future	Seminar on "People's Health: Role of Charitable Hospitals" 5.09.15
8	MDR-TB, an Emerging Global Threat - Is it difficult to handle	23.09.15, NARI  Institute (NARI) Pune and Moving Academy of Medicine and Biomedicine (MAMB) Pune
9	HIV TB research evidences for clinical management – HIV update 2015 conducted by	Dr.M.G.R Medical University, Guindy
10	TB-HAART attacks- a clinical challenge in HIV-TB management	HIV- Mysore ART update 2015. 19.12.2015
11	Evolution and principles of chemotherapy and an overview of MDR-TB	"AN UPDATE ON ANTIMICROBIALS and their uses" 15.06.15  Mahatma Gandhi Medical College and Research Institute, Pillaiyarkuppam, Puducherry-607 403.

## 5. Awards

6. Awards : **NASI SCOPUS – National Young Scientist Award in Medicine for 2014, conducted by the National Science Academy of India from the honourable Minister of state for science 2014 , Dr. Jitendra singh**

## **Honours/Awards**

7. Blacklock Thompson Gold medal in Surgery, Madras Medical College, Madras.
8. University first in D.T.R.D., Madras Medical College, Madras.
9. First Prize in Radiology, American college of Chest physicians, South India Chapter
10. Second Prize in Radiology, National Tuberculosis Conference, Madras, 2001.

## 11. Miscellaneous

S. No.	Committees	Role	Year	
			From	To
1	SRC Institutional Ethics Committee	Member Secretary	2012	Till date
2	Data Safety Monitoring Board	Member Secretary	2014	Till date
3	Translational Research Cell	Chair Person	2012	2020
4	Annual Day Celebration Committee	Chair Person	2012	2020
5	Emergency Management and Fire Safety Committee	Member	2016	2020
6	Vigilance committee	Member	2015	2016
7	Medical Reimbursement	Scrutinizing Officer	2012	2014
8	Radiology Department	In charge	2007	2009
9	DCGI Inspection	Member	2013	
10	Pulmonary function lab and bronchoscopy Suite	In charge	2007	Till date
11	Drug committee	Member	2012	Till date

12. Publications ( **International -38, national -14 , Av Impact Factor – 3.56, Citation-1418 ,h-Index-21**, Research interest Score-33.18)

13. Soumya Swaminathan and **G.Narendran**. Extra pulmonary tuberculosis. Medicine Update 2005. Edited by SB Gupta.

14. Soumya Swaminathan, C. Padmapriyadarsini, **G. Narendran**, Beena E Thomas, S. Anand and

- Aishwarya R. 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. **Citation – 4.**
15. 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 May; 42(1): 36-41. **Citation – 31. IF – 4.57.**
16. 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. **IF – 1.88.**
17. Extra pulmonary tuberculosis in the HIV era, Rajeswari Ramachandran, A R Adhilakshmi, VV Banu Rekha, **G. Narendran**, Rani Balasubramaniam, Practical approach to tuberculosis management, 2006, Jaypee Editor: Arora
18. **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. **Citation – 5. IF – 0.64.**
19. 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. **Citation – 8. IF – 4.57.**
20. 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. **Citation – 3.**
21. 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. **Citation – 10. IF – 1.75.**
22. Geetha Ramachandran, A.K. Hemanth Kumar, S. Rajasekaran, C. Padmapriyadarsini, **G. Narendran**, S. Anitha, Sudha Subramanyam, V. Kumaraswami and Soumya Swaminathan. Steady-state pharmacokinetics of Nevirapine in HIV-1 infected adults in India. **J Int Assoc Physicians AIDS Care** 2007; 6(4): 251-254. **Citation – 3.**
23. 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. **Br J Clin Pharmacol**. 2008; 65(5):791-2. **Citation 3. IF – 3.12.**
24. Soumya Swaminathan and **G Narendran**. HIV and Tuberculosis in India. **J Biosci**. 2008; 33(4):527-37. **Citation – 10. IF – 1.70.**
25. Selvaraj P, Raghavan S, Swaminathan S, Alagarasu K, **Narendran G**, Narayanan PR. HLA-DQB1 and -DPB1 allele profile in HIV infected patients with and without pulmonary tuberculosis of south India. **Infect Genet Evol** 2008; 8(5):664-71. **Citation – 1. IF – 2.79.**
26. Alagarasu K, Selvaraj P, Swaminathan S, **Narendran G**, Narayanan PR. 5' Regulatory and 3' Untranslated Region Polymorphisms of Vitamin D Receptor Gene in South Indian HIV and HIV-TB Patients. **J Clin Immunol**. 2009; 29(2):196-204. **Citation – 2. IF – 3.24.**
27. Ramachandran G, Hemanth Kumar AK, Rajasekaran S, Kumar P, Ramesh K, Anitha S, **Narendran G**, Menon P, Gomathi C, Swaminathan S. CYP2B6 G516T polymorphism but not rifampin coadministration influences steady-state pharmacokinetics of efavirenz in human immunodeficiency virus-infected patients in South India. **Antimicrob Agents Chemother** 2009; 53(3):863-8. **Citation – 8. IF – 4.71.**
28. Selvaraj P, Alagarasu K, Swaminathan S, Harishankar M, **Narendran G**. CD209 gene polymorphisms in South Indian HIV and HIV-TB patients. **Infect Genet Evol**. 2009; 9(2):256-62. **Citation – 7. IF – 2.79.**
29. Ramachandran G, Ramesh K, Hemanth Kumar AK, Jagan I, Vasantha M, Padmapriyadarsini C, **Narendran G**, Rajasekaran S, Swaminathan S. Association of high T allele frequency of CYP2B6 G516T polymorphism among ethnic south Indian HIV-infected patients with elevated plasma efavirenz and nevirapine. **J Antimicrob Chemother**. 2009; 63(4):841-3. **Citation – 4. IF – 4.32.**
30. Raghavan S, Selvaraj P, Swaminathan S, Alagarasu K, **Narendran G**, Narayanan PR. Haplotype analysis of HLA-A, -B antigens and -DRB1 alleles in south Indian HIV-1-infected patients with and without pulmonary tuberculosis. **Int J Immunogenet** 2009; 36(3):129-33. **Citation – 1. IF – 1.16.**
31. Hemanth Kumar AK, Ramachandran G, Rajasekaran S, Padmapriyadarsini C, **Narendran G**, Anitha S, Subramanyam S, Kumaraswami V, Swaminathan S. Pharmacokinetics of lamivudine

- & stavudine in generic fixed-dose combinations in HIV-1 infected adults in India. **Indian J Med Res** 2009;130(4):451-7. **Citation – 1. IF – 1.88.**
32. Alagarasu K, Selvaraj P, Swaminathan S, Raghavan S, **Narendran G**, Narayanan PR. CCR2, MCP-1, SDF-1a & DC-sign gene polymorphisms in HIV-1 infected patients with & without tuberculosis. **Indian J Med Res** 2009;130(4):444-50. **IF – 1.88.**
33. Raghavan S, Selvaraj P, Swaminathan S, **Narendran G**. Short communication: association of HLA-A\*1101 with resistance and B\*4006 with susceptibility to HIV and HIV-TB: an in silico analysis of promiscuous T cell epitopes. **AIDS Res Hum Retroviruses** 2009; 25(10):1023-8. **IF – 2.02.**
34. Swaminathan S, **Narendran G**, Venkatesan P, Iliayas S, Santhanakrishnan R, Menon PA, Padmapriyadarsini C, Ramachandran R, Chinnaiyan P, Suhadev M, Sakthivel R, Narayanan P. Efficacy of a 6 vs. a 9-month Intermittent Treatment Regimen in HIV-infected TB Patients: A Randomized Clinical Trial. **Am J Respir Crit Care Med** 2010; 181(7):743-51. **Citation – 2. IF –10.689.**
35. Sujatha Narayanan, Soumya Swaminathan, Philip Supply, Sivakumar Shanmugam, **G. Narendran**, Lalitha Hari, Ranjani Ramachandran, Camille Loch, P R Narayanan. Impact of HIV infection on the recurrence of Tuberculosis in South India. **J Infect Dis** 2010; 201(5):691-703. **Citation – 5. IF – 5.68.**
36. Soumya Swaminathan, C Padmapriyadarsini, **G Narendran**. HIV associated tuberculosis – Clinical update. **Clin Infect Dis** 2010 May 15;50(10):1377-86. **Citation – 1. IF – 8.26.**
37. C. Padmapriyadarsini, S. Swaminathan, M. J. Karthipriya, **G. Narendran**, Pradeep Aravindan Menon. Morphologic and Body Composition Changes are different in Men and Women on Generic Combination Antiretroviral Therapy – Observational Study. **JAPI** 2010; 58: 375-377.
38. Padmapriyadarsini C, Ramesh Kumar S, Norma Terrin, **Narendran G**, Pradeep A Menon, Geetha Ramachandran, Sudha Subramanyan, Perumal Venkatesan, Christine Wanke, Soumya Swaminathan. Dyslipidemia among HIV-infected tuberculosis patients taking Once-daily Non-Nucleoside Reverse Transcriptase inhibitor based Antiretroviral Therapy in India. **Clin Infect Dis**. 2011 Feb 15;52(4):540-6. **IF – 8.26.**
39. Ramesh Kumar S, **Narendran Gopalan**, Paru Patrawalla, Pradeep Menon, Kenneth Mayer, Soumya Swaminathan. Immune Reconstitution Inflammatory syndrome in HIV-infected patients with and without prior tuberculosis. *International Journal of STD & AIDS* 2012; 23:

419–423 **IF – 1.07.**

40. Swaminathan S, Padmapriyadarsini C, Venkatesan P, **Narendran G**, Ramesh Kumar S, Iliayas ,Menon PA,Sriram S,Poorna ganaga Devi P,Bhavani PK,Ponnuraja C,Dilip M and Ramachandran R. Efficacy and Safety of Once-Daily Nevirapine- or Efavirenz-Based Antiretroviral Therapy in HIV Associated Tuberculosis: A Randomized Clinical Trial *CID* 2011;53(7):716–724. **IF - 8.26.**
41. C. Padmapriyadarsini, **G. Narendran** & Soumya Swaminathan. Diagnosis & treatment of tuberculosis in HIV co-infected patients Indian *J Med Res* 2011; 134:850-865.
42. Soumya Swaminathan<sup>a</sup>, Menon PA<sup>a</sup>, **Narendran G<sup>a</sup>**, Venkatesan P<sup>a</sup>, Ramesh Kumar S<sup>a</sup>, Ranjani Ramachandran<sup>a</sup>, Ponnuraja C<sup>a</sup>, Sheik Iliayas<sup>a</sup>, Padmapriyadarsini C<sup>a</sup>, Pooranaganga Devi N<sup>a</sup>, Thiruvalluvan C<sup>a</sup>, Pho M<sup>b</sup>, Wares F<sup>c</sup>, Narayanan PR<sup>a</sup> Efficacy of a six-month versus a 36-month regimen for prevention of tuberculosis in HIV-infected persons in India: a randomized clinical trial. *PLoS ONE* 2012 7(12): e47400. doi:10.1371/journal.pone.0047400
43. Padmapriyadarsini C, Tripathy S, Sekar L, Bhavani PK, Gaikwad N, Srinivasan Annadurai A, **Narendran G**, Selvakumar N, Risbud R, Sheta D, Rajasekaran S, Thomas A, Wares F, Swaminathan S. Evaluation of a Diagnostic Algorithm for Sputum Smear–Negative Pulmonary Tuberculosis in HIV-Infected Adults. *J Acquir Immune Defic Syndr* 2013;63:331-338
44. **Narendran G** and Swaminathan S. Tuberculosis Immune Reconstitution Inflammatory Syndrome (TB-IRIS): Profile of an enigmatic condition. *Current Science CURRENT SCIENCE* 2013;105(5):657-665 IF- 0.833
45. Padmapriyadarsini C , Bhavani PK,Tang A, Hemanth Kumar A, Ponnuraja C, **Narendran G** Elizabeth Hannah L, Ramesh C, Chandrasekar C, Wanke C, Swaminathan S. Early changes in hepatic function among HIV–tuberculosis patients treated with nevirapine or efavirenz along with rifampin-based anti-tuberculosis therapy. *Int J Infect Dis* (2013), <http://dx.doi.org/10.1016/j.ijid.2013.08.006> **IF-2.417**
46. **Narendran G**, Andrade BB, Porter BO et al. Paradoxical Tuberculosis Immune Reconstitution Inflammatory Syndrome (TB-IRIS) in HIV Patients with Culture Confirmed Pulmonary Tuberculosis in India and the Potential Role of IL-6 in Prediction. *PLoS ONE* 2013; 8(5): e63541.doi:10.1371/journal.pone.0063541 **IF-3.534**
47. **Gopalan N**, Andrade BB, Swaminathan S. Tuberculosis-immune reconstitution inflammatory

syndrome in HIV: from pathogenesis to prediction. *Expert Rev Clin Immunol* 2014;10(5):631-645 **IF-3.342**

48. Kumar R, Menon PA, Ponnuraja C, Padmapriyadarsini C, **Narendran G**, Iliayas S, Subramanyam S, Kumar V, Swaminathan S. HIV-infected patients retreated for tuberculosis with intermittent Category II regimen--treatment outcome at 24-month follow-up.

*Indian J Tuberc.* 2014 Jan;61(1):43-50

**49. Gopalan Narendran**; Pradeep Aravindan Menon; Perumal Venkatesan et al. Acquired Rifampicin Resistance in Thrice-Weekly TB Therapy: Impact of HIV and Antiretroviral Therapy. *Clinical Infectious Diseases* 2014; CID 2014, 59 (12),1798-804 .IF **-9.416**

50. Tan Hu, Yong YU, Andrade AB, Shankar EM, Lim SH1, Ponnampalavanar S, Omar SFS, Pang YK, **Narendran G**, Kamarulzaman A, Swaminathan S, Sereti I, Crowe SM, French MA. Interleukin-18 is a biomarker of innate immune responses that predict and characterize tuberculosis-associated IRIS. *AIDS* 2015;29:421-31. **IF- 6.557**

51. **Narendran G**, Bruno AB, Vijay K, Stella S, Chandrasekar C, Sekhar S and Swaminathan S. Hiccups as an unusual manifestation of tuberculosis-associated immune reconstitution inflammatory syndrome .*NMJI* 2015; 28(1):49-50 .

52. Andrade BB, Singh A, **Narendran G**, Schechter ME, Nayak K, et al. (2014) Mycobacterial Antigen Driven Activation of CD14<sup>++</sup>CD16<sup>-</sup> Monocytes Is a Predictor of Tuberculosis-Associated Immune Reconstitution Inflammatory Syndrome. *PLoS Pathog* 10(10): e1004433. doi:10.1371/journal.ppat.1004433 **IF-8.057**

53. Hemanth Kumar AK, **Narendran, G**, Kumar, R. <sup>1</sup>; Ramachandran, G.<sup>1</sup>; Sekar, L.<sup>1</sup>; Raja, K.<sup>2</sup>; Swaminathan, S.<sup>1</sup> Rifampicin exposure is lower in HIV-infected TB patients receiving intermittent than daily anti-TB treatment. RMP exposure is lower in HIV-infected TB patients receiving intermittent than daily anti-tuberculosis treatment. *IJTLD* 2015;19(7)805-807

54. Narendran G and Swaminathan S. TB-HIV co-infection: a catastrophic comradeship. *Oral Diseases* (2016) 22 (Suppl. 1), 46–52 doi:10.1111/odi.12389. **IF 2.427**

55. Narendran G and Swaminathan.S Reply to Daskapan et al . *Clinical Infectious Diseases* 2015; doi: 10.1093/cid/civ240

56. NarendranG, Kavitha D, Karunaianantham R, Gil-Santana L, Almeida-Junior JL, Reddy SD, et al. (2016) Role of LTA4H Polymorphism in Tuberculosis Associated Immune Reconstitution

Inflammatory Syndrome Occurrence and Clinical Severity in Patients Infected with HIV. *PLoS ONE* 11(9): e0163298. doi:10.1371/journal.pone.0163298.

57. **Narendran G**, Padmapriyadarsini C, Swaminthan S and Tripathy S. Current Trends and Intricacies in the management of HIV-associated Pulmonary Tuberculosis. *AIDS Res Ther* (2016) 13:34 DOI 10.1186/s12981-016-0118-7IF -1.414
58. **Gopalan N**, Santhanakrishnan RK, Palaniappan AN, Menon PA, Lakshman S, Chandrasekaran P, Sivaramakrishnan GN, Reddy D, Kannabiran BP, Agiboth HKK, Krishnamoorthy V, Rathinam S, Chockalingam C, Manoharan T, Ayyamperumal M, Jayanthi N, Satagopan K, Narayanan R, Krishnaraja R, Sathiyavelu S, Kesavamurthy B, Suresh C, Selvachitiram M, Arasan G, Susaimuthu S, Rathinam P, Angamuthu P, Jayabal L, Murali L, Ramachandran R, Tripathy SP, Swaminathan S. Daily vs Intermittent Antituberculosis Therapy for Pulmonary Tuberculosis in Patients With HIV: A Randomized Clinical Trial. *JAMA Intern Med*. Published online March 05, 2018. doi:10.1001/jamainternmed.2018.0141
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#### **IF-19.28**

60. Silveira-Mattos PS+, **Narendran G+**, Akrami K, et al. Differential expression of CXCR3 and CCR6 on CD4<sup>+</sup> T-lymphocytes with distinct memory phenotypes characterizes tuberculosis-associated immune reconstitution inflammatory syndrome. *Sci Rep*. 2019;9(1):1502. Published

2019 Feb 6. doi:10.1038/s41598-018-37846-3 **IF 4.122 (shared first author)**

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63. Saranathan R, Padmapriyadarsini C, Sivaramakrishnan GN, Perumal BK, Kannayan S, Joseph B, Gopalan N, Hanna LE. Pulmonary Mycobacterium kyorinense disease: A case report and review of literature. *Indian J Med Microbiol* 2019;37:127-31
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