

## Technical Review Panel Member

### Curriculum Vitae

Name: Dr Kuldeep Singh Sachdeva  
 Nationality: Indian  
 Additional languages: English, Hindi, Punjabi  
 Expertise: Tuberculosis, HIV/AIDS

### Qualifications

Qualification	Institution	Department	Year
MBBS	Maulana Azad Medical College, University of Delhi, Delhi, India	Internal Medicine, Community Medicine, Surgery and other related departments	1982
DTCD	V P Chest Institute, University of Delhi, Delhi, India	Tuberculosis and Chest Disease	1987
MBA	Faculty of Management Studies, University of Delhi, Delhi, India	Public Health, Health Management	2002

### Employment History

Employer	Position	Place	Year
Government of Delhi (Primary Health Centre)	Medical Officer	New Delhi, India	1988-89
Lok Nayak Hospital, Department of Medicine, New Delhi	Chief Medical Officer	New Delhi, India	1989-2004

Directorate of Health Services, Essential Drugs Programme, Government of Delhi	Chief Medical Officer (selection grade)	New Delhi, India	2004-06
Government of Delhi (National Health Mission)	Chief Medical Officer (selection grade)	New Delhi, India	2006-07
Ministry of Health & Family Welfare, Central TB Division, Government of India	Deputy Programme Manager (TB)	New Delhi, India	2007-2015
Ministry of Health & Family Welfare, National AIDS Control Organisation, Government of India	National Programme Manager (HIV/AIDS)	New Delhi, India	2016-2018
Ministry of Health & Family Welfare, Central TB Division, Government of India	National Programme Manager (TB)	New Delhi, India	2018-2021
International Union Against Tuberculosis and Lung Disease	Regional Director, South East Asia	New Delhi, India	2021 onwards

## Relevant Publications

### Publications:

1. Community Involvement for Tuberculosis Control in India – An Overview: Ashok Kumar, **K S Sachdeva**, Shibu Vijayan–Health for the millions, April-June, 2011 Vol. 37 No. 2. Pp 5-11.
2. Source of Previous Treatment for Re-Treatment TB Cases Registered under the National TB Control Programme, India, 2010: **Kuldeep Singh Sachdeva**, Srinath Satyanarayana, Puneet Kumar Dewan, Sreenivas Achuthan Nair, Raveendra Reddy, Debasish Kundu, Sarabjit Singh Chadha, Ajay Kumar Madhugiri Venkatachalaiah, Malik Parmar, Lakhbir Singh Chauhan: PLoS One, 6 (7): e22061.doi:10.1371/journal.pone.0022061.

3. How Do Patients Who Fail First-Line TB Treatment but Are Not Placed on an MDR-TB Regimen Fare in South India: Sharath Burugina Nagaraja, Srinath Satyanarayana, Sarabjit Singh Chadha, Santosha Kalemene, Jyoti Jaju, Shanta Achanta, Kishore Reddy, Vishnu Potharaju, Srinivas Rao Motta Shamrao, Puneet Dewan, Zachariah Rony, Shailaja Tetali, Raghupati Anchala, Nanda Kishore Kannuri, Anthony David Harries, **Sachdeva Kuldeep Singh** -- PLoS ONE 6 (10): e25698.doi:10.1371/journal.pone.0025698.
4. Operational Challenges in Diagnosing Multi-Drug Resistant TB and Initiating Treatment in Andhra Pradesh, India - Sarabjit S. Chadha, Sharath B N, Kishore Reddy, Jyothi Jaju, Vishnu P H, Sreenivas Rao, Malik Parmar, Srinath Satyanarayana, **Kuldeep Singh Sachdeva**, Nevin Wilson, Anthony D. Harries -- PLoS ONE 6 (11): e26659.doi:10.1371/journal.pone.0026659.
5. Addressing poverty through disease control programmes: examples from Tuberculosis control in India: Vishnu Vardhan Kamineni, Nevin Wilson, Anand Das, Srinath Satyanarayana, Sarabjit Chadha, **Kuldeep Singh Sachdeva** and Lakbir Singh Chauhan -- International Journal for Equity in Health 2012 , 11:17
6. New Vision for Revised National Tuberculosis Control Programme (RNTCP): Universal Access -- "Reaching the un-reached": **Kuldeep Singh Sachdeva**, Ashok Kumar, Puneet Dewan, Ajay Kumar, & Srinath Satyanarayana -- Indian J Med Res 135 , May 2012 , pp 690-694.
3. Certification of TB culture and drug susceptibility testing laboratories through Revised National Tuberculosis Control Programme (RNTCP): **Kuldeep Singh Sachdeva**, Sharath Burugina Nagaraja, Ashok Kumar, Prahalad Kumar, Ranjani Ramachandran: J Indian Med Assoc 2012; **110**: 488-9.
4. How Did the TB Patients Reach DOTS Services in Delhi? A Study of Patient Treatment Seeking Behavior: Sunil K. Kapoor, A. Venkat Raman, **Kuldeep Singh Sachdeva**, Srinath Satyanarayana, PLoS ONE, 7 (8): e42458.doi:10.1371/journal.pone.0042458.
5. Is One Sputum Specimen as Good as Two during Follow-up Cultures for Monitoring Multi Drug Resistant Tuberculosis Patients in India: Sharath Burugina Nagaraja, Ajay M V Kumar, **Kuldeep Singh Sachdeva**, Ranjani Ramachandran, Srinath Satyanarayana, Avi Bansal, Malik Parmar, Sarabjit Chadha, Sreenivas Nair, Ashok Kumar, Sven Gudmund Hinderaker, Mary Edginton, Puneet K Dewan: PLoS ONE, 7 (9): e45554.doi:10.1371/journal.pone.0045554.
11. Contribution of medical colleges to tuberculosis control in India under the Revised National Tuberculosis Control Programme (RNTCP): Lessons learnt & challenges ahead: Surendra K

- Sharma, Alladi Mohan, L S Chauhan, J P Narain, P Kumar, D Behra, **K S Sachdeva**, Ashok Kumar: Indian J Med Res 137, February 2013, pp 283-294.
12. Promoting tobacco cessation by integrating 'brief advice' in tuberculosis control programme: Jagdish Kaur, **Kuldeep S. Sachdeva**, Bhavesh Modi, Dinesh C. Jain, Lakhbir S. Chauhan, Paresh Dave, Rana J. Singh, Nevin Wilson. WHO South-East Asia Journal of Public Health, January-March 2013, 2(1): 28-33.
  13. Comparative Evaluation of GenoType MTBDRplus Line Probe Assay with Solid Culture Method in Early Diagnosis of Multidrug Resistant Tuberculosis (MDR-TB) at a Tertiary Care Centre in India: Raj N. Yadav, Binit K. Singh, Surendra K. Sharma<sup>1</sup>, Rohini Sharma, Manish Soneja, Vishnubhatla Sreenivas, Vithal P. Myneedu, Mahmud Hanif, Ashok Kumar, **Kuldeep S. Sachdeva**, Chinnambedu N. Paramasivan, Balasangameshwra Vollepore, Rahul Thakur, Neeraj Raizada, Suresh K. Arora, Sanjeev Sinha. PLoS ONE 8(9): e72036. doi:10.1371/journal.pone.0072036
  14. LED fluorescence microscopy increases the detection of smear-positive pulmonary tuberculosis in medical colleges of India. L. W. Reza, S. Satyanarayana, A. Pandey, S. Kumar, N. M. Devendrappa, L. Anand, G. Singh, A. M. V. Kumar, S. S. Chadha, N. Wilson, **K. S. Sachdeva**, S. A. Nair. Public Health Action, 2013; 3(3): 240–242. <http://dx.doi.org/10.5588/pha.13.0021>
  15. LED-Fluorescence Microscopy for Diagnosis of Pulmonary Tuberculosis under Programmatic Conditions in India: Lord Wasim Reza, Srinath Satyanarayana, Donald A. Enarson, Ajay M. V. Kumar, Karuna Sagili, Sujeet Kumar, Levi Anand Prabhakar, N. M. Devendrappa, Ashish Pandey, Nevin Wilson, Sarabjit Chadha, Badri Thapa, **Kuldeep Singh Sachdeva**, Mohan P. Kohli. PLoS ONE 8(10): e75566. doi:10.1371/journal.pone.0075566
  16. High degree of multi-drug resistance and hetero-resistance in pulmonary TB patients from Punjab state of India: Parveen Kumar, Veena Balooni, Brijesh Kumar Sharma, Virender Kapil, **K.S. Sachdeva**, Sarman Singh. Tuberculosis, November 2013, doi: 10.1016/j.tube.2013.10.001
  17. OAP-246-30: Unacceptable treatment outcomes among India's initial cohorts of MDR-TB programme. January 2014. Malik Parmar, **Kuldeep Singh Sachdeva**, R S Gupta, Kirankumar Rade, Rashmi Pant, Sreenivas Achuthan Nair, P deepan.
  18. A Multi-Site Validation in India of the Line Probe Assay for the Rapid Diagnosis of Multi-Drug Resistant Tuberculosis Directly from Sputum Specimens: Neeraj Raizada, **K. S. Sachdeva**, D. S. Chauhan, Bharti Malhotra, Kishore Reddy, P. V. Dave, Yamuna Mundade, Pranav Patel, Ranjani Ramachandran, Ram Das, Rajesh Solanki, Douglas Fraser

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19. Feasibility of Decentralised Deployment of Xpert MTB/RIF Test at Lower Level of Health System in India: Neeraj Raizada, **K. S. Sachdeva**, Achuthan Sreenivas, Bhavin Vadera, R. S. Gupta, Malik Parmar, Shubhangi Kulsange, Ameet Babre, Rahul Thakur, Christen Gray, Ranjani Ramachandran, Umesh Alavadi, Mayank Ghedia, Balasangameshwara Vollepore, Puneet Dewan, Catharina Boehme, C. N. Paramasivan. 2014, PLoS ONE 9(2): e89301. doi:10.1371/journal.pone.0089301
  20. Tuberculosis in BRICS: challenges and opportunities for leadership within the post-2015 agenda: Jacob Creswell, Suvanand Sahu, **Kuldeep Singh Sachdeva**, Lucica Ditiu, Draurio Barreira, Andrei Mariandyshev, Chen Mingting & Yogan Pillay. Bulletin of the World Health Organization 2014;92:459-460. doi:<http://dx.doi.org/10.2471/BLT.13.133116>
  21. Impact of Introducing the Line Probe Assay on Time to Treatment Initiation of MDR-TB in Delhi, India: Neeta Singla, Srinath Satyanarayana, **Kuldeep Singh Sachdeva**, Rafael Van den Bergh, Tony Reid, Katherine Tayler-Smith, V. P. Myneedu, Engy Ali, Donald A. Enarson, Digamber Behera, Rohit Sarin. July 2014. PLoS ONE 9(7): e102989. doi:10.1371/journal.pone.0102989
  22. Enhancing TB Case Detection: Experience in Offering Upfront Xpert MTB/RIF Testing to Pediatric Presumptive TB and DR TB Cases for Early Rapid Diagnosis of Drug Sensitive and Drug Resistant TB: Neeraj Raizada, **Kuldeep Singh Sachdeva**, Sreenivas Achuthan Nair, Shubhangi Kulsange, Radhey Shayam Gupta, Rahul Thakur, Malik Parmar, Christen Gray, Ranjani Ramachandran, Bhavin Vadera, Shobha Ekka, Shikha Dhawan, Ameet Babre, Mayank Ghedia, Umesh Alavadi, Puneet Dewan, Mini Khetrapal, Ashwini Khanna, Catharina Boehme, Chinnambedu Nainarappan Paramasivan. August 2014. PLoS ONE 9(8): e105346. doi:10.1371/journal.pone.0105346
  23. Alarming Levels of Drug-Resistant Tuberculosis in HIV-Infected Patients in Metropolitan Mumbai, India: Petros Isaakidis, Mrinalini Das, Ajay M V Kumar, Christopher Peskett, Minni Khetarpal, Arun Bamne, Balkrishna Adsul, Mamta Manglani, **Kuldeep Singh Sachdeva**, Malik Parmar, Avinash Kanchar, B.B. Rewari, Alaka Deshpande, Camilla Rodrigues, Anjali Shetty, Lorraine Rebello, Peter Saranchuk. October 2014. PLoS ONE 9(10): e110461. doi:10.1371/journal.pone.0110461
  24. Catching the Missing Million: Experiences in Enhancing TB & DR-TB Detection by Providing Upfront Xpert MTB/RIF Testing for People Living with HIV in India: Neeraj Raizada, **Kuldeep Singh Sachdeva**, Achuthan Sreenivas, Shubhangi Kulsange, Radhey Shyam Gupta, Rahul Thakur, Puneet Dewan, Catharina Boehme, Chinnambedu

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25. Follow-up examinations: are multidrug-resistant tuberculosis patients in Uttar Pradesh, India, on track? U. C. Tripathi, S. B. Nagaraja, J. P. Tripathy, S. K. Sahu, M. Parmar, K. Rade, S. Bhatnagar, A. Ranjan, **K. S. Sachdeva**. Public Health Action 2015; 5(1): 59–64. <http://dx.doi.org/10.5588/pha.14.0095>
  25. Challenges in tuberculosis diagnosis and management: Recommendations of the expert panel. Singh S, Dey B, **Sachdeva KS**, Kabra SK, Chopra KK, Chaudhary VK, et al. J Lab Physicians 2015;7:1-3.
  26. Proficiency Assessment Mechanism for Line-Probe Assay Testing for Diagnosis of Multidrug-Resistant Tuberculosis in India. Raizada N, **Sachdeva KS**, Malhotra B, Thakur R, Kishore Reddy VC, et al. (2015) Int J Pathol Clin Res 1:004
  27. Use of Xpert MTB/RIF in Decentralized Public Health Settings and Its Effect on Pulmonary TB and DR-TB Case finding in India. **Kuldeep Singh Sachdeva**, Neeraj Raizada, Achuthan Sreenivas, Anna H. van't Hoog, Susan van den Hof, Puneet K. Dewan, Rahul Thakur, R. S. Gupta, Shubhangi Kulsange, Bhavin Vadera, Ameet Babre, Christen Gray, Malik Parmar, Mayank Ghedia, Ranjani Ramachandran, Umesh Alavadi, Nimalan Arinaminpathy, Claudia Denkinger, Catharina Boehme, C. N. Paramasivan (2015). PLoS ONE 10(5): e0126065. doi:10.1371/journal.pone.0126065
  28. The Potential Impact of Up-Front Drug Sensitivity Testing on India's Epidemic of Multi-Drug Resistant Tuberculosis. **Sachdeva KS**, Raizada N, Gupta RS, Nair SA, Denkinger C, Paramasivan CN, et al. (2015) PLoS ONE 10(7): e0131438. doi:10.1371/journal.pone.0131438
  29. Patient and Provider Reported Reasons for Lost to Follow Up in MDRTB Treatment: A Qualitative Study from a Drug Resistant TB Centre in India. Rajesh D. Deshmukh, D. J. Dhande, **Kuldeep Singh Sachdeva**, Achuthan Sreenivas, A. M. V. Kumar, Srinath Satyanarayana, Malik Parmar, Patrick K. Moonan, Terrence Q. Lo. (2015) PLoS ONE 10(8): e0135802. doi:10.1371/journal.pone.0135802
  30. How better is random blinded re-checking results in revised national TB Control Programme, India? Sharath BN, Kumar A, Ranjini R, Anand S, Sundaram H, **Sachdeva Kuldeep Singh (Singh SK)** et al. Indian J Med Microbiol 2015;33:572-5.
  31. Piloting Upfront Xpert MTB/RIF Testing on Various Specimens under Programmatic Conditions for Diagnosis of TB & DR-TB in Paediatric Population. Neeraj Raizada, **Kuldeep Singh Sachdeva**, Soumya Swaminathan, Shubhangi Kulsange, Sunil D. Khaparde, Sreenivas Achuthan Nair, Ashwani Khanna, Kamal Kishore Chopra, Mahmud

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32. Treatment of Childhood Tuberculosis in India. S Swaminathan, K.S. Sachdeva. Int J Tuberc Lung Dis (2015) 19(12):S43–S46. <http://dx.doi.org/10.5588/ijtld.15.0611>.
  33. Transitioning to daily treatment for drug sensitive TB in India. **Kuldeep Singh Sachdeva** , A. Shah, K. Rade, R. Ramachandran, A. Sreenivas, M. Parmar, Mayank Ghedia, V. S. Salhotra, S. D. Khaprde, J. Prasad. The Indian journal of tuberculosis. January 2016. DOI: 10.1016/j.ijtb.2015.11.005
  34. Airborne Infection Control in India: a baseline assessment of 35 health care facilities. Malik M Parmar, **Kuldeep Singh Sachdeva**, Kiran Rade, Mayank Ghedia, Avi Kumar Bansal, Sharath Burugina Nagaraja, Matthew D Willis, Dyson P Misquitta, Sreenivas Achutan Nair, Patrick K Moonan, Puneet K Dewan. The Indian journal of tuberculosis. January 2016. DOI: 10.1016 /j.ijtb.2015.11.006
  35. Standards for TB Care in India: A tool for Universal Access to TB care Indian Journal of Tuberculosis. Sreenivas Achutan Nair, **Kuldeep Singh Sachdeva**, Parmar Malik, S. Chandra, R. Ramachandran, N. Kulshreshtha, Kamal Chopra, S.D.Khaparde. The Indian journal of tuberculosis. January 2016. DOI: 10.1016 /j.ijtb.2015.11.004
  36. Experience of active tuberculosis case finding in nearly 5 million households in India. Prasad, B. M.; Satyanarayana, S.; Chadha, S. S.; Das, A.; Thapa, B.; Mohanty, S.; Pandurangan, S.; Babu, E. R.; Tonsing, J.; **Sachdeva, K. S.** Public Health Action. DOI: <http://dx.doi.org/10.5588/pha.15.0035>
  37. Direct observation of treatment provided by a family member as compared to non-family member among children with new tuberculosis: a pragmatic, non-inferiority, cluster-randomized trial in Gujarat, India. Paresh Vamanrao Dave, Amar Niranjana Shah, Pankaj B. Nimavat, Bhavesh B. Modi, Kirit R. Pujara, Pradip Patel, Keshabhai Mehariya, Kiran Vaman Rade, Soma Shekar, **Kuldeep S. Sachdeva**, John E. Oeltmann, Ajay M. V. Kumar. PLoS ONE 11(2): e0148488. doi:10.1371/journal.pone.0148488 E
  38. Genotypic, Phenotypic and Clinical Validation of GeneXpert in Extra-Pulmonary and Pulmonary Tuberculosis in India. Urvashi B. Singh, Pooja Pandey, Girija Mehta, Anuj K. Bhatnagar, Anant Mohan, Vinay Goyal, Vineet Ahuja, Ranjani Ramachandran, **Kuldeep S. Sachdeva**, Jyotish C. Samantaray . PLoS ONE 11(2): e0149258. doi:10.1371/journal.pone.0149258

39. Factors Associated with Tuberculosis and Rifampicin-Resistant Tuberculosis amongst Symptomatic Patients in India: A Retrospective Analysis. Sreenivas Achuthan Nair, Neeraj Raizada, **Kuldeep Singh Sachdeva**, Claudia Denkinger, Samuel Gillespie Schumacher, Puneet Dewan, Shubhangi Kulsange, Catharina Boehme, Chinnambedu Nainarappan Paramsvivan, Nimalan Arinaminpathy. February 2016 · PLoS ONE 02 /2016; 11(2):e0150054. DOI:10.1371/journal.pone.0150054.
40. Innovatively addressing the challenge of maintaining binocular microscopes under Tuberculosis Programme in India - Is this feasible?. Sarabjit Singh Chadha, Sharath Burugina Nagaraja, Banuru Prasasd, Santosha Kelamane, Srinath Satyanarayana, **Kuldeep Singh Sachdeva**. The Indian journal of tuberculosis 63(1) · April 2016. DOI: 10.1016/j.ijtb.2016.02.004
41. Scaling up of HIV-TB collaborative activities: Achievements and challenges in India. Rajesh D Deshmukh, Amar Shah, **Kuldeep Singh Sachdeva**, A.N. Sreenivas, R.S. Gupta, S.D. Khaparde. The Indian journal of tuberculosis 63(1) · April 2016. DOI: 10.1016 /j.ijtb.2016.02.003
42. Integrated, Patient Centred Model of HIV-TB Care and Prevention: India Case Study. R D Desmukh, K S Sachdeva. NTI Bulletin 2016. Vol.52/1-4, 23-30.
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44. Bottom-up or top-down: Unit cost estimation of tuberculosis diagnostic tests in India. S Rupert, Anna Vassall, Neeraj Raizada, SD Khaparde, C Boehme, VS Salhotra, **Kuldeep Singh Sachdeva**, SA Nair, A H Van't Hoog. The International Journal of Tuberculosis and Lung Disease 21(4) · April 2017. DOI: 10.5588 /ijtld.16.0496
45. Social support a key factor for adherence to multi-drug resistant tuberculosis treatment. Rajesh D Deshmukh, D J Dhande, **Kuldeep Singh Sachdeva**, Sreenivas Achuthan Nair, Ajay MV Kumar, Malik Parmar. The Indian journal of tuberculosis June 2017. DOI: 10.1016 /j.ijtb.2017.05.003
46. Meso level multi-disciplinary approach for reduction of pre-treatment loss to follow-up in Revised National Tuberculosis Control Program, Delhi, India. Nandini Sharma, Shivani Chandra, Meera Dhuria, Charu Kohli, Kamal Kishore Chopra, Nishi Aggarwal, **Kuldeep Singh Sachdeva**. The Indian journal of tuberculosis June 2017. DOI: 10.1016 /j.ijtb.2017.05.010



47. Index-TB Guidelines: Guidelines on extrapulmonary tuberculosis for India. Surendra K. Sharma, H. Ryan, Sunil Khaparde, K.S. Sachdeva, Achintya D. Singh, Alladi Mohan, Rohit Sarin, C.N. Paramasivan, Prahlad Kumar, Neeraj Nischal, Saurav Khatiwada, Paul Garner, Prathap Tharyan. *Indian J Med Res* 145, April 2017, pp 448-463 DOI: 10.4103/ijmr.IJMR\_1950\_16
48. Scaling-up the Xpert MTB/RIF assay for the detection of tuberculosis and rifampicin resistance in India: An economic analysis. Sunil Khaparde, Neeraj Raizada, Sreenivas Achuthan Nair, Claudia Denkinge, **Kuldeep Singh Sachdeva**, Chinnambedu Nainarappan Paramasivan, Virender Singh Salhotra, Anna Vassall, Anja van't Hoog. *PLoS ONE* 12(9): e0184270. <https://doi.org/10.1371/journal.pone.0184270>
49. Nations within a nation: Variations in epidemiological transition across the States of India, 1990 – 2016 in the Global Burden of Disease Study. Lalit Dandona, Rakhi Dandona, [...], **Kuldeep Singh Sachdeva**, [...], Soumya Swaminathan, *B India State-Level Dis.* January 2017, *The Lancet* 390 (10111)
50. Nations within a nation: Variations in epidemiological transition across the States of India, 1990 – 2016 in the Global Burden of Disease Study. Lalit Dandona, Rakhi Dandona, [...], **Kuldeep Singh Sachdeva**, [...], Soumya Swaminathan. December 2017, *The Lancet* 390 (10111): 2437-2460. DOI: 10.1016 /S0140-6736 (17) 32804-0.
51. Tuberculosis infection control measures at health care facilities offering HIV and tuberculosis services in India. **Kuldeep Singh Sachdeva**, Rajesh D Deshmukh, [...], S D Khaparde April 2018. *The Indian journal of tuberculosis* 65(4). DOI: 10.1016 /j.ijtb.2018.04.004
52. Use of Computer-Assisted Personal Interviewing and Information Management System in a Survey among HIV High-Risk Groups in India: Strengths, Weaknesses, Opportunities and Threats Analysis. Radhika Brahme, Sheela V Godbole, Raman Gangakhedkar, **Kuldeep Singh Sachdeva**, Vinita Verma, Arun Risbud. April 2018. *Indian Journal of Community Medicine* 43(2): 107-112. DOI:10.4103/ijcm.IJCM\_273\_17.
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57. Assessing tuberculosis control priorities in high-burden settings: a modeling approach. March 2019. Juan Vesga, Timothy B Hallet, **Kuldeep Singh Sachdeva**, [...], Nimalan Arinaminpathy. *The Lancet Global Health* 7(5). DOI:10.1016/S2214-109X (19) 30037-3.
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