

DUKE UNIVERSITY MEDICAL CENTER

CURRICULUM VITAE

for
Permanent Record
and the
Appointments and Promotions Committee

Date Prepared: December 8, 2020

Name: L. Gayani Tillekeratne, MD MSc

Primary academic appointment: Department of Medicine

Primary academic department: Department of Medicine

Secondary appointment: Duke Global Health Institute

Present academic rank and title: Assistant Professor

Date and rank of first Duke Faculty appointment: Medical instructor, July 1, 2015

Medical Licensure: North Carolina License # 2012-01294

Date of License: June 27, 2012

Specialty certifications and dates:

American Board of Internal Medicine, August 10, 2010

American Board of Internal Medicine, Infectious Diseases, October 11, 2012

Education:	<u>Institution</u>	<u>Date</u>	<u>Degree</u>
High School	Robert S. Rogers High School	1999	
College	Massachusetts Institute of Technology	2003	B.S.
Professional	Duke University School of Medicine	2007	M.D.
Graduate	Duke University, Global Health	2014	M.Sc.

Professional training and academic career:

<u>Institution</u>	<u>Position/Title</u>	<u>Dates</u>
Hospital of the University of Pennsylvania	Intern/resident, Internal Medicine	7/07- 6/10
Hospital of the University of Pennsylvania	Fellow, Infectious Diseases	7/10- 7/12
Duke Global Health Institute	Fellow, Global Health	8/12-6/15
Duke University School of Medicine	Medical Instructor	7/15- 3/17
Duke Global Health Institute	Assistant Research Professor	7/15- present

Duke University School of Medicine	Assistant Professor	4/17- present
University of Ruhuna, Faculty of Medicine, Galle, Sri Lanka	Adjunct Professor	3/19- present

Publications:

Refereed journals

1. **Tillekeratne, LG**, Thielman, NM, Kiwera, RA, Chu, HY, Kaale, L, Morpeth, SC, Mtweve, SP, Shao, JF, Bartlett, JA, Crump, JA. Morbidity and mortality in a cohort of HIV-infected patients in a community home-based care program in the Kilimanjaro Region, Tanzania, 2003-2005. *Ann Trop Med Parasitol*. Vol 103: 2, 1-11, 2009.
2. **Tillekeratne, LG**, Feng, S, Schimana, W, Johnson, OO, Kinabo, GD, Mmbaga, BT, Msuya, LJ, Shao, JF, Swai, ME, Crump, JA, Cunningham, CK. Identifying HIV-infected children who may benefit from early initiation of antiretrovirals. *J Pediatric Infect Dis*. Vol 4: 4, 1-6, 2009.
3. Johnson, OO, Benjamin, DK, Benjamin Jr, DK, Schimana, W, **Tillekeratne, LG**, Crump, JA, Landman, KZ, Kinabo GD, Mmbaga, BT, Msuya, LG, Shao, JF, Swai, ME, & Cunningham, CK. Total lymphocyte count and World Health Organization pediatric clinical stage as markers to assess need to initiate antiretroviral therapy among HIV-infected children in Moshi, Northern Tanzania. *Pediatr Infect Dis J*. Vol 28: 6, 493-497, 2009.
4. **Tillekeratne, LG**, Linkin, DR, Obino, M, Omar, A, Wanjiku, M, Holtzman, D, Cohn, J. A multifaceted intervention to reduce rates of catheter-associated urinary tract infections in a resource-limited setting. *Am J Infect Control*. Vol 42: 1, 12-6, 2014.
5. **Tillekeratne LG**, Bodinayake CK, Nagahawatte, A, Vidanagama, D, Devasiri, V, Kodikara Arachchi, W, Kurukulasooriya, R, De Silva, D, Ostbye, T, Reller ME, Woods, CW. An Under-Recognized Influenza Epidemic Identified by Rapid Influenza Testing, Southern Sri Lanka, 2013. *Am J Trop Med Hyg*. Vol 92: 5, 1023-9, 2015.
6. **Tillekeratne LG**, Bodinayake CK, Nagahawatte, A, Vidanagama, D, Devasiri, V, Kodikara Arachchi, W, Kurukulasooriya, R, De Silva, D, Ostbye, T, Reller ME, Woods, CW. Use of Rapid Influenza Testing to Reduce Antibiotic Prescriptions Among Outpatients with Influenza-Like Illness in Southern Sri Lanka. *Am J Trop Med Hyg*. Aug 17 2015. PMID: 26283748.
7. **Tillekeratne LG***, Vidanagama D*, Tippalagama R, Lewkebandara R, Joyce M, Nicholson BP, Nagahawatte A, Bodinayake C, De Silva AD, Woods, CW. Extended-Spectrum β -Lactamase-Producing *Enterobacteriaceae* as a Common Cause of Urinary Tract Infections, Sri Lanka. *Infect Chemother*. 2016 Sep; 48(3):160-165.
* Co-authors
8. Bodinayake CK*, **Tillekeratne LG***, Nagahawatte A, Devasiri V, Kodikara Arachchi W, Strouse JJ, Sessions OM, Kurukulasooriya R, Uehara A, Howe S, Ong XM, Tan S, Chow A, Tummalapalli P, De Silva AD, Østbye TO, Woods CW, Gubler DJ, Reller ME. Emergence of Epidemic Dengue-1 Virus in the Southern Province of Sri Lanka. *PLoS Negl Trop Dis*. 2016 Oct 10.
* Co-authors
9. Dabrera TME, **Tillekeratne LG**, Fernando MSN, Kasturiaratchi STKG, Østbye T. Prevalence and Correlates of Leprosy in a High-risk Community setting in Sri Lanka. *Asia Pac J Public Health*. 2016 Sep 6.
10. Uehara A, Tissera HA, Bodinayake CK, Amarasinghe A, Nagahawatte A, **Tillekeratne LG**, Cui J, Reller ME, Palihawadana P, Gunasena S, Desilva AD, Wilder-Smith A, Gubler DJ, Woods CW, Sessions OM. Analysis of

dengue serotype 4 in Sri Lanka during the 2012-2013 dengue epidemic. *Am J Trop Med Hyg.* 2017 Jul; 91(1):130-136.

11. **Tillekeratne LG**, Bodinayake CK, Dabrera T, Nagahawatte A, Arachchi WK, Sooriyaarachchi A, Stewart K, Watt M, Østbye T, Woods CW. Antibiotic overuse for acute respiratory tract infections in Sri Lanka: a qualitative study of outpatients and their physicians. *BMC Fam Pract.* 2017 Mar 16;18(1):37.
12. Tharindra H, Brown GD, Stankevitz K, Schoenfisch A, Amarasinghe S, De Silva V, **Tillekeratne LG**, Østbye T. Depressive Symptoms and Perceived Stress among Estate Rubber Tappers in Southern Sri Lanka. *Int J Occup Saf Health.* 2016; 6 (1).
13. Shapiro D, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Hsiang J, Nicholson B, De Silva AD, Ostbye T, Reller ME, Woods CW, **Tillekeratne LG**. Burden and Seasonality of Viral Acute Respiratory Tract Infections Among Outpatients in Southern Sri Lanka. *Am J Trop Med Hyg.* 2017 Jul; 97(1): 88-96.
14. Dabrera TME, Pathmeswaran A, Kasturirathna A, **Tillekeratne G**, Østbye T. A Randomized Controlled Trial to Reduce Lifestyle Related Risk Factors for Non-Communicable Diseases through Funeral Societies in Sri Lanka. *Getao & Sociedade.* 2018; 12 (31).
15. Bodinayake CK*, **Tillekeratne LG***, Nagahawatte A, Devasiri V, Kodikara Arachichi W, Strouse JJ, Sessions OM, Kurukulasooriya R, Uehara A, Howe S, Ong XM, Tan S, Chow A, Tummalapalli P, De Silva AD, Østbye TO, Woods CW, Gubler DJ, Reller ME. Evaluation of the WHO 2009 Dengue Classification for diagnosis of Acute Dengue in a Cohort of Adults and Children in Sri Lanka during a Dengue-1 Epidemic. *PLoS Negl Trop Dis.* 2018 Feb 9; 12(2): e0006258.
* Co-authors
16. Kurukulasooriya MRP, **Tillekeratne LG**, Wijyaratne WMDGB, Bodinayake CK, de Silva AD, Nicholson BP, Ostbye T, Woods CW, Nagahawatte ADeS. Methicillin-resistant *Staphylococcus aureus*: prevalence of and risk factors associated with colonization of patients on admission to the Teaching Hospital, Karapitiya. *Journal of the University of Ruhuna*, 2018 Sep; 6(2): 70-75.
17. Sheng T, Wijyaratne GB, Dabrera TM, Drew RJ, Nagahawatte A, Bodinayake CB, Kurukulasooriya R, Østbye T, Nagaro KJ, De Silva C, Ranawakaarachchi H, Sudarshana AT, Anderson DJ, Woods CW, **Tillekeratne LG**. Point-Prevalence Study of Antimicrobial Use in Public Hospitals in Southern Sri Lanka Identifies Opportunities for Improving Prescribing Practices. *Infect Control Hosp Epidemiol*, 2019 Feb 9; 40(2):224-227.
18. **Tillekeratne LG**, Bodinayake CK, Simmons R, Nagahawatte A, Devasiri V, Kodikara Arachchi W, Nicholson BP, Park LP, Vanderburg S, Kurukulasooriya R, De Silva AD, Østbye T, Reller ME, Woods CW. Respiratory viral infection: an under-appreciated cause of acute febrile illness admissions in southern Sri Lanka. *Am J Trop Med Hyg*, 2019 Mar; 100(3):672-680.
19. **Tillekeratne LG**, Bodinayake CK, Nagahawatte A, Kurukulasooriya R, Orlando L, Simmons R, Park LP, Woods CW, Reed SD. Use of Clinical Algorithms and Rapid Influenza Testing to Manage Influenza-Like Illness in Sri Lanka: A Cost-Effectiveness Analysis. *BMJ Glob Health*, 2019 Mar 30; 4(2):e001291.
20. Li Y, Reeves RM, Wang X, Bassat Q, Brooks WA, Cohen C, Moore DP, Nunes M, Rath B, Campbell H, Nair H, RSV Global Epidemiology Network; **RESCEU Investigators**. Global patterns in monthly activity of influenza virus, respiratory syncytial virus, parainfluenza virus, and metapneumovirus: a systematic analysis. *Lancet Glob Health*, 2019 Aug; 7(8):e1031-e1045.
21. Mutucumarana CP, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Anuradha T, De Silva AD, Janko MM, Østbye T, Gubler DJ, Woods CW, Reller ME, **Tillekeratne LG**, Lantos PM. Geospatial analysis of dengue emergence in rural areas in the Southern Province of Sri Lanka. *Trans R Soc Trop Med Hyg*, 2019 Dec 24.

22. **Tillekeratne LG***, Suchindran S*, Ko ER, Petzold EA, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Nicholson BP, McClain MT, Burke TW, Tsalik ET, Henao R, Ginsburg GS, Reller ME*, Woods CW*. Previously derived host gene expression classifiers identify bacterial and viral etiologies of acute respiratory illness in a South Asian population. *Open Forum Infect Dis* Jun 2020; 7(6):ofaa194.
* Co-authors
23. Meredith H, Kularatna S, Nagaro K, Nagahawatte A, Bodinayake C, Kurukulasooriya R, Wijesingha N, Harden LB, Piyasiri B, Hammouda A, Wiegmann B, Nicholson BP, Joyce M, Woods CW, van Vliet AM, Thakur S, **Tillekeratne LG**. High colonization prevalence with multidrug-resistant *Enterobacteriaceae* is rapidly established in infants in southern Sri Lanka. *Antimicrob Resist Infection Control* (submitted February 2020).
24. Shoff CJ, Townsend ML, **Tillekeratne LG**, Schulteis RD, Yarrington ME, Turner NA, Woods CW, Hostler CJ. Effect of Order Set Implementation on Antibiotic Class Selection for Urinary Tract Infection in the Outpatient Setting at a Veterans Affairs Medical Center. *Infect Control Hosp Epidemiol* 2020; Aug 19: 1-2.
25. Vanderburg S*, Wijayarathne G*, Danthanarayana N, Jayamaha J, Piyasiri B, Halloluwa C, Sheng T, Amarasena S, Kurukulasooriya R, Nicholson BP, Peiris M, Gray GC, Gunasena S, Nagahawatte A, Bodinayake C, Woods CW, Devasiri V*, **Tillekeratne LG***. An Outbreak of Severe Acute Respiratory Infection Caused by Co-circulation of Influenza, Respiratory Syncytial Virus, and Adenovirus in Southern Province, Sri Lanka in 2018. *BMJ Open* 2020: Nov 6;10(11):e040612.
* Co-authors
26. Suk J, Aravinda NP, Desilva V, Clancy S, **Tillekeratne LG**, Ostbye T. Knowledge and attitudes toward HIV and people living with HIV (PLWH) among public health midwives in the Galle District, Sri Lanka. *Revista Electronica Gestao & Sociedade* 2020; 14 (40): 3965-3982.
27. Zhang H, Bodinayake C, Wijayarathne GB, Jayatissa P, Piyasiri DLB, Kurukulasooriya R, Sheng T, Nagahawatte A, Woods C, **Tillekeratne LG**. Point-prevalence survey of outpatient antibiotic prescription at a tertiary medical center in Sri Lanka: opportunities to improve prescribing practices for respiratory illnesses. *BMC Infect Dis* (submitted August 2020).
28. Rolfe RJ, Kwobah C, Muro F, Ruwanpathirana A, Lyamuya F, Bodinayake C, Nagahawatte A, Piyasiri B, Sheng T, Bollinger J, Zhang C, Ostbye T, Ali S, Drew R, Kussin P, Anderson DJ, Woods CW, Watt MH, Mmbaga BT, **Tillekeratne LG**. Barriers to implementing antimicrobial stewardship programs in three low- and middle-income country settings: findings from a multi-site qualitative study. *Antimicrob Resist Infect Control* (submitted November 2020).

Chapters in books

1. **Tillekeratne, G**, Dunlevy, H, Cohn, J. Hemorrhagic Fevers: Epidemiology, pathophysiology and clinical features. In *Hemostasis and Thrombosis: Basic Principles and Clinical Practice*, 6th edition, edited by V.J. Marder, W.C. Aird, J.S. Bennett, S. Schulman, and G.C. White II. Lippincott Williams & Wilkins, November 2012.

Selected abstracts

1. **Tillekeratne, LG**, Thielman, NM, Kiwera, RA, Chu, HY, Kaale, L, Morpeth, SC, Mtwewe, S, Shao, JF, Bartlett, JA, Crump, JA. High mortality rate in a cohort of HIV-infected patients receiving home-based care in the Kilimanjaro Region, Tanzania, 2003-2005. XVI International AIDS Conference, August 2006.
2. Johnson, OJ, Benjamin, DK, Benjamin Jr, DK, Schimana, W, **Tillekeratne, LG**, Crump, JA, Landman, KZ, Mmbaga, BT, Kinabo, GD, Msuya, LJ, Shao, JF, Swai, ME, Cunningham, CK. Absolute Lymphocyte Count and WHO pediatric clinical stage as markers to assess need to initiate antiretroviral therapy among HIV-infected children in Northern Tanzania. XVI International AIDS Conference, August 2006.

3. **Tillekeratne, LG**, Feng, S, Schimana, W, Johnson, OJ, Shao, JF, Kinabo, GD, Mmbaga, BT, Msuya, LJ, Cunningham, CK. Use of clinical markers to identify pediatric HIV-infected patients who may benefit from early initiation of antiretrovirals in Northern Tanzania. 14th Conference on Retroviruses and Opportunistic Infections (CROI), February 2007.
4. Huang, W-T, Walton, K, **Tillekeratne, G**, McNeil, M, Duderstadt, S, Iskander, J. Unintentional injury following vaccination- a hypothesis generating study using the Vaccine Adverse Event Reporting System (VAERS). 43rd National Immunization Conference, March 2009.
5. Surrey, LF, **Tillekeratne, LG**, Edelstein, PH. *Mycobacterium bovis*- Bacille Calmette-Guerin Strain: A Rare Cause of Miliary Lung Infection. College of American Pathologists, September 2012.
6. **Tillekeratne, LG**, Linkin, DR, Obino, M, Omar, A, Wanjiku, M, Holtzman, D, Cohn, J. A Multi-faceted intervention to reduce rates of catheter-associated urinary tract infections in a resource-limited setting. 52nd ICAAC, September 2012.
7. Bodinayake, CK, **Tillekeratne, LG**, Nagahawatte, A, Devasiri, V, Kodikara Arachchi, W, Vidanagama, D, Ostbye, T, Gubler, DJ, Woods, CW, Reller, ME. Accuracy of Clinical Diagnosis of Dengue Fever in Southern Sri Lanka, 2012- 2013. 24th European Congress of Clinical Microbiology and Infectious Diseases, May 2014.
8. Bodinayake, CK, **Tillekeratne, LG**, Nagahawatte, A, Devasiri, V, Kodikara Arachchi, W, Kurukulasooriya, R, De Silva, D, Ostbye, T, Gubler, DJ, Woods, CW, Reller, ME. Patient Costs Associated with Healthcare Utilization and Decreased Productivity Due to Undifferentiated Acute Febrile Illness in Southern Sri Lanka. 2nd International Conference on Global Public Health, July 2014.
9. **Tillekeratne, LG**, Bodinayake, CK, Nagahawatte, A, Vidanagama, D, Devasiri, V, Kodikara Arachchi, W, Kurukulasooriya, R, De Silva, D, Ostbye, T, Reller, ME, Woods, CW. High Rate of Antibiotic Prescriptions for Outpatients with Influenza-Like Illness in Southern Sri Lanka. ID Week, October 2014.
10. Bodinayake CK, **Tillekeratne LG**, Nagahawatte A, Devasiri V, Kodikara Arachchi W, Ostbye T, Gubler DJ, Woods CW, Reller ME. Patient Costs Associated with Healthcare Utilization and Decreased Productivity Due to Undifferentiated Acute Febrile Illness in Southern Sri Lanka. Galle Medical Association Annual Academic Sessions, October 2014.
11. Bodinayake CK, **Tillekeratne LG**, Nagahawatte A, Devasiri V, Kodikara Arachchi W, Ostbye T, Gubler DJ, Woods CW, Reller ME. Antibiotic use among dengue and acute undifferentiated fever in Sri Lanka 2012-2013. Sri Lanka Medical Association Annual Academic Sessions, October 2014.
12. Bodinayake CK, **Tillekeratne LG**, Nagahawatte A, Devasiri V, Kodikara Arachchi W, Ostbye T, Woods CW, Reller ME. Accuracy of Clinical Diagnosis of dengue during non-epidemic and epidemic periods in Southern Sri Lanka- 2007 and 2012-2013. Ceylon College of Physicians Annual Academic sessions, October 2014.
13. Uehara A, Woods CW, Gubler DJ, Sessions OM, **Tillekeratne LG**, Reller ME, Bodinayake C, Nagahawatte A, De Silva D. Molecular and Epidemiologic Assessment of Dengue Fever in Southern Sri Lanka in 2012. American Society of Tropical Medicine and Hygiene, Nov 2014.
14. **Tillekeratne LG**, Bodinayake CK, Nagahawatte A, Vidanagama D, Devasiri V, Kodikara Arachchi W, Kurukulasooriya R, De Silva D, Ostbye T, Reller ME, Woods CW. Use of Rapid Influenza Testing to Reduce Antibiotic Use Among Outpatients with Influenza-Like Illness, Southern Sri Lanka, 2013- 2014. 25th European Congress of Clinical Microbiology and Infectious Diseases, April 2015.
15. **Tillekeratne LG**, Vidanagama D, Tippalagama R, Lewkebandara R, Joyce M, Nicholson B, Nagahawatte A, Bodinayake C, De Silva D, Woods CW. High prevalence of community-acquired urinary tract infections due to extended-spectrum β -lactamase- producing Enterobacteriaceae in southern Sri Lanka. American Society

for Microbiology, May 2015.

16. Chao CC, Zhang Z, Belinskaya T, Woods C, Nicholson BP, **Tillekeratne LG**, Sessions OM, Hsiang J, Lewis M, Reller M, Bodinayake CK, Nagahawatte A, Devasiri V, Kodikara-Arachichi W, De Silva AD, Kurukulasooriya R, Ostbye T, Gubler DJ, and Ching W-M. Scrub typhus as a major cause of illness for patients with unknown fever origin in Galle, Sri Lanka. American Society of Tropical Medicine and Hygiene, November 2016.
17. Ching W-M, Chao CC, Zhang Z, Belinskaya T, Chen H-W, Woods C, Nicholson BP, **Tillekeratne LG**, Sessions OM, Hsiang J, Lewis M, Reller M, Bodinayake CK, Nagahawatte A, Devasiri V, Kodikara-Arachichi W, De Silva AD, Kurukulasooriya R, Ostbye T, Gubler DJ. Leptospirosis is one of the major diseases for patients with unknown fever origin in Galle, Sri Lanka. American Society of Tropical Medicine and Hygiene, November 2016.
18. Kurukulasooriya R, Wijayarathne WMDGB, **Tillekeratne LG**, Bodinayake CK, Rajapakshe MD, Umesha BGJ, Abewickrama TDR, Anuradha KVT, De Silva AD, Nicholson BP, Østbye T, Woods CW, Nagahawatte A. Methicillin-resistant *Staphylococcus aureus*: high prevalence of suspected nosocomial colonization in the surgical and medical wards of Teaching Hospital Karapitiya. Sri Lanka College of Microbiologists Annual Academic Sessions, August, 2017.
19. Kurukulasooriya R, **Tillekeratne LG**, Wijayarathne WMDGB, Bodinayake CB, Rajapakshe MD, Umesha BG, Abewickrama TD, Anuradha KVT, De Silva AD, Nicholson BP, Østbye T, Woods CW, Nagahawatte A. High prevalence of suspected nosocomial colonization with methicillin-resistant *Staphylococcus aureus* at a tertiary care hospital in southern Sri Lanka. American Society of Tropical Medicine and Hygiene, November 2017.
20. Mutucumarana CP, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Anuradha T, De Silva AD, Østbye T, Woods CW, Reller ME, **Tillekeratne LG**, Lantos PM. Geospatial analysis of dengue emergence in rural areas in the Southern Province of Sri Lanka: 2012-2013. American Society of Tropical Medicine and Hygiene, November 2017.
21. Bodinayake CK, **Tillekeratne LG**, Nagahawatte A, Mutucumarana C, Devasiri V, Kurukulasooriya R, Ostbye T, Reller ME, Woods CW. The 2009 World Health Organization dengue classification over-estimates dengue disease severity in Sri Lanka. American Society of Tropical Medicine and Hygiene, November 2017.
22. Tharindra H, Brown GD, Stankevitz K, Schoenfisch A, Amarasinghe S, De Silva V, **Tillekeratne LG**, Østbye T. Depressive symptoms and perceived stress among estate rubber tappers in southern Sri Lanka. International Mental Health Conference, February 2018.
23. Meredith HR, Kularatna S, Nagaro K, Nagahawatte A, Bodinayake CK, Kurukulasooriya R, Wijesingha N, Piyasiri B, Hammouda A, Wiegmann B, Nicholson BP, Joyce M, Woods CW, Thakur S, **Tillekeratne LG**. High Colonization Prevalence with Multidrug-Resistant *Enterobacteriaceae* in Peripartum Women and Neonates in Southern Sri Lanka. ASM Microbe 2018, June 2018.
24. Sheng T, Wijayarathne G, Dabrera T, Nagahawatte A, Bodinayake CK, Kurukulasooriya R, Nagaro K, De Silva C, Ranawakaarachchi H, Sudarshana AT, Anderson D, Drew R, Ostbye T, Woods CW, **Tillekeratne LG**. Point-Prevalence Study of Inpatient Antimicrobial Use in Five Public Hospitals in Sri Lanka. American society of Microbiology Microbe 2018, June 2018.
25. Kurukulasooriya MRP, Meredith HR, Kularatna S, Nagaro K, Nagahawatte A, Bodinayake C, Wijesingha N, Piyasiri B, Hammouda A, Wiegmann B, Nicholson BP, Joyce M, Woods CW, Thakur S, **Tillekeratne LG**. Multidrug-resistant *Enterobacteriaceae*: high colonization prevalence in peripartum women and their neonates in southern Sri Lanka. Sri Lanka College of Microbiologists Annual Sessions, August 2018.
26. **Tillekeratne LG**, Bodinayake CK, Nagahawatte A, Devasiri V, Nicholson B, Vanderburg S, Kurukulasooriya R, Ostbye O, Reller ME, Woods CW. Acute respiratory viral infections: an important cause of admissions for

febrile illness in the Southern Province, Sri Lanka. Sri Lanka College of Microbiologists Annual Sessions, August 2018.

27. Sheng T, Wijyaratne G, Dabrera T, Bodinayake CK, Kurukulasooriya R, Nagaro K, Sudarshana AT, Anderson D, Drew R, Ostbye T, Woods CW, Nagahawatte A, **Tillekeratne LG**. First point-prevalence study of inpatient antimicrobial use in five public hospitals in southern Sri Lanka. Sri Lanka College of Microbiologists Annual Sessions, August 2018.
28. Wijyaratne GB, Vanderburg S, **Tillekeratne LG**, Nagahawatte A, Bodinayake C, and Duke-Ruhuna Collaboration. Active Surveillance of the 2018 Respiratory Virus Epidemic in Southern Province, Sri Lanka. Ceylon College of Physicians, September 2018.
29. **Tillekeratne LG**, Suchindran S, Ko ER, Petzold EA, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Reller ME, Nicholson BP, McClain MT, Burke T, Tsalik EL, Henao R, Ginsburg GS, Woods CW. Host Gene Expression Classifiers Distinguish Bacterial and Viral Infections in Sri Lankan Patients with Acute Febrile Respiratory Illness. ID Week, October 2018.
30. Weerasinghe NP, Kurukulasooriya MRP, **Tillekeratne LG**, Wijyaratne WMDGB, Bodinayake CK, Devasiri V, Dahanayake NJ, Fonseka CK, Ubesekeera H, Anuradha KVT, De Silva AD, Nicholson BP, Ostbye T, Woods CW, Nagahawatte AD. Economic impact of dengue on patients hospitalized in southern Sri Lanka- an analysis of direct and indirect costs. American Society of Tropical Medicine and Hygiene, October 2018.
31. Wijyaratne WMDG, Fonseka CK, Nagahawatte AD, Bodinayake CK, Weerasinghe NP, Kurukulasooriya MRP, Anuradha KVT, Dayanayake NJ, Devasiri V, Ubeysekeera HA, De Silva AD, Nicholson B, Ostbye T, Woods CW, **Tillekeratne LG**. Clinical and laboratory features associated with progression to severe dengue among potentially high-risk dengue patients hospitalized in southern Sri Lanka. American Society of Tropical Medicine and Hygiene, October 2018.
32. Bodinayake CK, **Tillekeratne LG**, Ranaweera arachchi W, Sahabandu SC, Roshan P, Wilson B. High prevalence of anxiety and depression among patients with dengue and non-dengue acute febrile illness in Sri Lanka. American Society of Tropical Medicine and Hygiene, October 2018.
33. **Tillekeratne LG**, Bodinayake CK, Simmons R, Nagahawatte A, Devasiri V, Vanderburg S, Kurukulasooriya R, Nicholson BP, Park LP, Ostbye T, Reller ME, Woods CW. Acute respiratory viral infections: an important cause of admissions for acute febrile illness in the Southern Province, Sri Lanka. American Society of Tropical Medicine and Hygiene, October 2018.
34. **Tillekeratne LG**, Suchindran S, Ko ER, Petzold EA, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Reller ME, Nicholson BP, McClain MT, Burke T, Tsalik EL, Henao R, Ginsburg GS, Woods CW. A gene expression signature accurately identifies viral acute respiratory infections in a Sri Lankan population. American Society of Tropical Medicine and Hygiene, October 2018.
35. Vanderburg S, Sheng T, Wijyaratne G, Dabrera T, Bodinayake CK, Nagahawatte A, Kurukulasooriya R, Drew R, Woods CW, **Tillekeratne LG**. Frequent Empiric Broad-Spectrum Antimicrobial Use Among Hospitalized Patients with Lower Respiratory Tract Infection in Southern Sri Lanka. Asian Pacific Society of Respirology, November 2018.
36. Vanderburg S, Sheng T, Wijyaratne G, Dabrera T, Bodinayake CK, Nagahawatte A, Kurukulasooriya R, Drew R, Woods CW, **Tillekeratne LG**. Frequent Inappropriate Antimicrobial Use for Lower Respiratory Tract Infections in Sri Lanka. US-Japan Cooperative Medical Sciences Program 21st International Conference on Emerging Infectious Diseases in the Pacific Rim, February 2019.
37. Vanderburg S, Kodikara I, Sellathurai M, Bodinayake CK, Nagahawatte A, Riviello E, Woods CW, **Tillekeratne LG**. A Novel Lung Ultrasound Training Program to Predict Severity of Acute Lower Respiratory Tract Infections in Sri Lanka. American Thoracic Society, May 2019.

38. Foster MW, Ko E, Thompson JW, Suchindran S, Rains S, Asrican R, **Tillekeratne LG**, Rubach MP, Burke TW, Petzold E, Woods CW, Moseley AM. An open searching strategy for identification and quantification of expressed variants in serum and plasma. American Society of Mass Spectrometry, June 2019.
39. Vanderburg S, Danthanarayana N, Piyasiri B, Jayamaha J, Halloluwa C, Wijayaratne G, Nicholson B, Peiris M, Devasiri V, Nagahawatte A, Gunasena S, Bodinayake C, Gray GC, Woods CW, **Tillekeratne LG**. Viral Co-Circulation and Co-Infection with Influenza during an Epidemic of Severe Acute Respiratory Illness among Children in Southern Province, Sri Lanka. Options X, August 2019.
40. van Melle DT, ten Asbroek AHA, Vanderburg S, Abeysinghe YW, Halloluwa C, Zhang HL, Sheng T, Sewwandi K, Bodinayake C, Nagahawatte A, Woods CW, De Silva V, **Tillekeratne LG**. Prevalence and patterns of outpatient antibiotic prescription at a public tertiary medical center in Southern Province, Sri Lanka. ID Week, October 2019.
41. Muro FJ, Lyamuya F, Mallya R, Mmbaga B, **Tillekeratne LG**. Prevalence of antibiotic use and administration among hospitalized adult patients at a tertiary care hospital in Kilimanjaro, Tanzania. 5th International Conference on Prevention and Infection Control, September 2019.
42. Zhang HL, Wijayaratne GB, Jayatissa LPPA, Piyasiri DLB, Sheng T, Bodinayake C, Nagahawatte A, Woods C, **Tillekeratne LG**. Prevalence and patterns of outpatient antibiotic prescription at a public tertiary medical center in Southern Province, Sri Lanka. ID Week, October 2019.
43. Sheng T, Wijayaratne G, Dabrera T, Nagahawatte A, Bodinayake C, Kurukulasooriya R, Nagaro N, De Silva C, Ranawakaarachchi H, Sudarshana AT, Anderson D, Drew R, Ostbye T, Woods CW, **Tillekeratne LG**. Skin and Soft Tissue Infections are a Common Reason for Potentially Inappropriate Antimicrobial Use among Inpatients in Sri Lanka. ID Week, October 2019.
44. Lyamuya F, Muro F, Mallya R, Uronu TS, Minde RM, Anderson D, Woods CW, Mmbaga BT, **Tillekeratne LG**. Prevalence of antibiotic use and administration among hospitalized adult patients at a tertiary care hospital in, Kilimanjaro Tanzania. ID Week, October 2019.
45. **Tillekeratne LG**, Suchindran S, Ko ER, Petzold EA, Bodinayake CK, Nagahawatte A, Devasiri V, Kurukulasooriya R, Reller ME, Nicholson BP, McClain MT, Burke T, Tsalik EL, Henao R, Ginsburg GS, Woods CW. Host genes are differentially expressed in dengue compared to influenza infections. American Society of Tropical Medicine and Hygiene, November 2019.
46. Wijayaratne WMDGB, Vanderburg S, Devasiri V, Nagahawatte A, Bodinayake CK, Petzold E, Gunasena S, Danthanarayana N, Piyasiri B, Sellathurai M, Weerasinghe NP, Fonseka CL, Kurukulasooriya MRP, Gunasekara NC, Nicholson BP, Woods CW, **Tillekeratne LG**. An outbreak of adenovirus causing severe respiratory illness in southern Sri Lanka, 2018. American Society of Tropical Medicine and Hygiene, November 2019.
47. Sheng T, Wijayaratne G, Dabrera T, Nagahawatte A, Bodinayake C, Kurukulasooriya R, Nagaro N, De Silva C, Ranawakaarachchi H, Sudarshana AT, Anderson D, Drew R, Ostbye T, Woods CW, **Tillekeratne LG**. Urinary Tract Infection is a Common Reason for Potentially Inappropriate Antimicrobial Use among Inpatients in Sri Lanka. American Society of Tropical Medicine and Hygiene, November 2019.
48. Wijayaratne WMDGB, Bodinayake CK, **Tillekeratne LG**, KodikaraArachchi W, Devasiri V, Ostbye T, Kurukulasooriya R, Gunasekara N, Reller M, Woods CW, Nagahawatte A. A comparison between IgM-ELISA and IgM Rapid Immunochromatography Test in the Diagnosis of Leptospirosis during the acute phase of illness in Southern Sri Lanka. American Society of Tropical Medicine and Hygiene, November 2019.
49. Rolfe R, Muro F, Lyamuya F, Kwobah C, Sheng T, Piyasiri B, Bodinayake C, Nagahawatte A, Yarrington M, Drew R, Kussin P, Watt M, Anderson D, Woods CW, Mmbaga B, **Tillekeratne LG**. A multi-site, prospective study of antimicrobial prescribing practices in three low- or middle-income country hospitals. ID Week, October 2020.

50. Rolfe R, Kwobah C, Muro F, Ruwanpathirana A, Lyamuya F, Bodinayake C, Nagahawatte A, Piyasiri B, Sheng T, Bollinger J, Zhang C, Drew R, Kussin P, Anderson D, Woods CW, Watt M, Mmbaga B, **Tillekeratne LG**. Barriers to implementing antimicrobial stewardship programs in low- or middle-income country settings: findings from a multi-center qualitative study. ID Week, October 2020.

Professional awards and special recognitions:

- 1998, Research Science Institute, Center for Excellence in Education, Massachusetts Institute of Technology
1998, General Mills “Challenge U” Scholarship recipient
2000, American Heart Association Fellowship, Medical College of Ohio
2002, Breast Cancer Summer Undergraduate Research Program, Albany Medical School
2006, Charles Watts Travel Award, Duke University School of Medicine
2007, Young Investigator Award, Conference on Retroviruses and Opportunistic Infections
2007, Epidemiology Elective Program, Centers for Disease Control and Prevention
2008- 2010, Global Health Track member, Internal Medicine Residency, University of Pennsylvania
2011, Mary E. Groff Fellowship in Clinical Research Methods, University of Pennsylvania
2013, Fogarty Global Health Fellowship Award
2015, European Congress of Clinical Microbiology and Infectious Diseases Travel Award
2016, Hubert-Yeargan Center for Global Health, Career Development Award
2015-2017, Department of Medicine Career Development Bridge Funding Award, Duke University
2018, Third Prize for Oral Presentations, ‘First point-prevalence study of inpatient antimicrobial use in five public hospitals in southern Sri Lanka,’ Sri Lanka College of Microbiologists Academic Sessions
2018, First Prize for Poster Presentations, ‘Acute respiratory viral infections: an important cause of admissions for febrile illness in the Southern Province, Sri Lanka,’ Sri Lanka College of Microbiologists Academic Sessions
2018, ‘Inspirational Woman of the Year,’ Top 50 Professional and Career Women Sri Lanka 2018 by International Finance Corporation/ Women in Management
2019, Sri Lanka’s Women Leaders Award, CMO Asia & World Women Leadership Congress
2020, Fellow, Infectious Diseases Society of America

Organizations and participation:

- 2011- present, Infectious Diseases Society of America, member
2013- present, International Society for Infectious Diseases, member
2012- present, American Society of Tropical Medicine and Hygiene, member
2016- 2018, American Society for Microbiology, member
2015- present, European Society of Clinical Microbiology & Infectious Diseases, member
2017- present, Zonta International Women’s Organization, member
2018- present, Comparative Medicine Institute, North Carolina State University, member
2014- present, Sri Lanka Medical Association, member

Ad hoc reviewer:

- Lancet Infectious Diseases
Clinical Infectious Diseases
Journal of Antimicrobial Chemotherapy
American Journal of Tropical Medicine and Hygiene
PLOS One
Influenza and Other Respiratory Viruses
Microbial Drug Resistance
Sri Lankan Journal of Infectious Diseases

Frontiers Cellular and Infection Microbiology
BMC Urology
South African Medical Journal
Research and Reports in Urology
Therapeutics and Clinical Risk Management

Mentorship and committees:

2016-2018, Hannah Meredith (Duke PhD student completing Global Health Certificate), primary supervisor for global health research project
2017, Charmaine Mutucumarana (Duke University medical student), co-supervisor for third-year global health research year
2016- current, Ruvini Kurukulasooriya (University of Ruhuna, Sri Lanka, PhD student in Microbiology), co-supervisor for PhD degree
2017, Jihye Suk (Duke Master of Science in Global Health student), thesis committee member
2016-2017, David Shapiro (Duke Pediatric Infectious Diseases fellow), supervisor for global health research project
2016-2018, Tianchen Sheng (Duke Master of Science in Global Health student), primary supervisor and thesis committee chair
2016-2017, Thushani Dabrera (Sri Lankan post-graduate trainee), co-supervised research project
2017, Hiba Fatima (Duke Master of Science in Global Health student), thesis committee member
2017-2018, David van Melle (University of Amsterdam medical student), primary supervisor for global health research project
2017-2019, Sky Vanderburg (Duke Internal Medicine resident in Global Health Residency and Fellowship Pathway/ Fogarty Fellow), primary research supervisor
2018, Annie Cheng (North Carolina State University School of Veterinary Medicine PhD candidate), co-supervisor for global health research project
2018, Jacob Christy (Duke Master of Science in Global Health student), primary supervisor for fieldwork project
2018-2019, Helen Zhang (Duke Internal Medicine resident), supervisor for global health research project
2018- 2020, Chi Zhang (Duke Master of Science in Global Health student), primary supervisor and thesis committee chair
2018- 2020, John Bollinger (Duke Master of Science in Global Health student), primary supervisor and thesis committee chair
2019, Jiyan Ma (Duke Master of Science in Global Health student), thesis committee member
2019- present, Corelei Neighbors (Duke Master of Science in Global Health student), co-supervisor for global health research project
2019- present, Robert Rolfe (Duke Infectious Diseases fellow), mentor for research project

Teaching responsibilities:

2011, Introduction to Clinical Medicine, University of Pennsylvania
2011-2012, Infectious Diseases Lectures to medical students, University of Pennsylvania
2015- present, GLHLTH777, Infectious Disease Epidemiology in Global Settings; 3-credit course for graduate students; Duke University

Invited Talks:

February 2019, 'Novel diagnostics to improve antimicrobial use for acute respiratory infections, Sri Lanka,' US-Japan Cooperative Medical Sciences Program, 21st Acute Respiratory Infections (ARI) Panel Meeting, Hanoi, Vietnam

November 2019, 'Host-based biomarkers for detection and management of emerging infectious diseases: precision medicine heads South,' American Society for Tropical Medicine and Hygiene symposium, Washington, DC

November 2019, 'Global health development and challenges: antimicrobial resistance,' Global Health Capacity Building Training Course through the Duke Global Health Institute, Chapel Hill, NC

November 2019, 'Host-based diagnostics for discriminating bacterial and viral respiratory illness: performance in an international and resource-limited setting,' World Antimicrobial Resistance Congress, Washington, DC

Continuing Medical Education/ Internal Presentations:

September 2016, Duke Global Health Institute Faculty Meeting: Research update

September 2017, Duke University Department of Medicine Fellows Research Retreat: 'Roadmap from fellowship to faculty'

December 2017, Duke Center for Applied Genomics and Precision Medicine, Applied Genomics group: 'Characterization of acute respiratory illness (ARI) and development/validation of host response classifiers for ARI in Sri Lankan population'

October 2018, Duke Global Health Institute Executive Committee update: Research summary on 'Sri Lanka: Priority Partnership Location'

June 2019, Duke Internal Medicine Chair's Conference: Case presentation

October 2019, Duke Global Health Institute Early Career Lunch Group: Research summary on 'Novel diagnostics for respiratory infections, Sri Lanka'

Participation in career and leadership development activities:

Duke University School of Medicine K Club, September- December 2014

Writing Winning NIH Grant Proposals, July 2016

Women's Leadership Conference: Breakthrough to Brave, September 2018, Wake Forest School of Medicine

Duke Faculty Development Academy, 2018- 2020, program for junior faculty development and mentorship

Areas of research interests (basic and applied):

Global health

Antimicrobial resistance

Antibiotic stewardship

Acute respiratory infections

Infectious diseases diagnostics

Emerging infectious diseases

External support:

a) Current:

1K23AI125677-01A1

Tillekeratne (PI)

2/2017- 1/2022

NIAID/NIH

Novel Diagnostics to Improve Antimicrobial Stewardship for Acute Respiratory Tract Infections in Resource-Limited Settings

To develop genomics-based diagnostics for use in resource-limited settings to improve antimicrobial stewardship.

N/A

Tillekeratne (PI)

4/2020- 3/2021

Duke Global Health Institute Pilot Grant

COVID-19 in Sri Lanka

To determine the prevalence of Coronavirus Infectious Disease-19 (COVID-19) among inpatients in Sri Lanka and to initiate start-up testing to identify SARS-Coronavirus-2 in Sri Lanka.

N/A Tillekeratne (PI) 6/2017-12/2020

Duke Global Health Institute Pilot Grant

Improving Antimicrobial Use in Resource-Limited Settings: A Mixed-Methods Assessment of Need and Feasibility

To determine prevalence and indications for antibiotic use at three tertiary care hospitals in Sri Lanka, Kenya, and Tanzania and perform a baseline assessment of antibiotic stewardship at these sites.

N/A Nagahawatte (PI) Tillekeratne (Co-I) 1/2017- 6/2020

National Science Foundation, Sri Lanka

Developing an effective epidemiological surveillance system for dengue in Southern Province of Sri Lanka

To develop a clinical and laboratory-based surveillance system for severe dengue in the Southern Province of Sri Lanka.

N/A Nagahawatte (PI) Tillekeratne (Co-I) 1/2019-12/2021

National Research Council, Sri Lanka

A One Health approach: the epidemiology of methicillin-resistant *Staphylococcus aureus* isolated from humans, animals and animal products in southern Sri Lanka

To identify the clinical and molecular epidemiology of methicillin-resistant *Staphylococcus aureus* identified from clinical and environmental samples in Sri Lanka.

NIAID/NIH Tillekeratne (PI) 9/2018- 8/2020

NIH Loan Repayment Program

The NIH Loan Repayment Programs (LRPs) are a set of programs established by Congress and designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers.

N/A Wijayarathne (PI) Tillekeratne (Co-I) 6/2020-5/2021

National Research Council, Sri Lanka

COVID-19 surveillance in the Southern Province of Sri Lanka

A community-based study of seroprevalence of COVID-19 among outpatients with respiratory illness in Southern Province, Sri Lanka.

N/A Weerasinghe (PI) Tillekeratne (Co-I) 6/2020-5/2021

National Research Council, Sri Lanka

Seroprevalence of COVID-19 in a subset of community in Sri Lanka and possible exposure to risk factors

A study of seroprevalence and risk factors associated with COVID-19 among medical students in southern Sri Lanka.

a) Past:

R25 TW009337Vermund 4/4/2012-2/28/2017 1 calendar year

Vanderbilt-Emory-Cornell-Duke Consortium for Global Health Fellows (VECDor)

The Vanderbilt-Emory-Cornell-Duke Consortium (VECDor) trains global health researchers through a collaborative training program with overseas research institutions from low and middle-income countries with which our universities have worked for decades.

Role: Fellow awardee

Online Duke Tillekeratne (co-PI) 2016- 2017

Infectious Disease Epidemiology in Global Settings

To continue development of the Duke Global Health Institute's first online class by including evaluation,

instructional design, and media production support.

N/A	DiGiulio (PI) Tillekeratne (Co-I)	1/2017- 12/2017
Duke Global Health Institute		
Chemical mixture toxicity of well water: investigating the potential role of pollutant mixtures in well water as a root cause for chronic kidney disease in Sri Lanka		
To identify pollutants in well water as a cause of chronic kidney disease in the Anuradhapura District in Sri Lanka.		
N/A	Tillekeratne (PI)	12/2015- 6/2018
Triangle Center for Evolutionary Medicine (TriCEM)		
A One Health approach to antibiotic-resistant Enterobacteriaceae in South Asia		
To determine the transmission and phylogenetic relationships of β -lactamases in Enterobacteriaceae in antenatal women, their infants, and animal and environmental sources.		
NIAID/NIH	Tillekeratne (PI)	9/2016- 8/2018
NIH Loan Repayment Program		
The NIH Loan Repayment Programs (LRPs) are a set of programs established by Congress and designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers.		
N/A	Nagahawatte (PI) Tillekeratne (Co-I)	7/2016- 6/2018
University Grants Commission, Sri Lanka		
Baseline colonization and in-hospital transmission of methicillin-resistant <i>Staphylococcus aureus</i> among surgical patients at Teaching Hospital Karapitiya.		

Clinical activity:

Infectious Diseases Consult Service, Durham VA Medical Center, 6- 8 weeks per year
General Medicine, Durham VA Medical Center, 2 weeks per year
HIV and general infectious diseases clinic, Durham VA Medical Center, one half day per week

Participation in academic and administrative activities:

Antibiotic Decision Support Team, Durham VA Medical Center, 2015- present
Faculty site lead, Duke-Ruhuna Collaborative Research Centre in Sri Lanka, 2015- present
Faculty site lead, Duke Hubert-Yeargan Center for Global Health, 2015- present
Antibiotic Resistance Leadership Group, Antibiotic Stewardship Committee, 2017- present
Duke Global Health Institute Graduate Advisory Council, 2019- present
Secure Resource Allocation Committee, Durham VA Medical Center, 2020