Progress Report: Sri Lanka Clinical Trials Registry

SLCTR registr	ration number: SL0	CTR/2022/018				
Scientific title of trial: A cluster randomized, placebo control trial to evaluate the efficacy of a spatial repellent (Mosquito ShieldTM) against Aedes-borne virus infection among children $\geq 4-16$ years of age in the Gampaha District, Sri Lanka						
Date of comm	nencement (enroln	nent of first partici	pant): 02 Mar 2023			
Progression:	6 months □	1 year □	2 years ⊠	3 years □		
	At completion \square		×			
1. Baseline	data					
Any changes Protocol Ve		/ methodology/ pro	otocol after commenc	ement:		
Sample size Analysis Pla		changed to be a	ligned with change	es to Statistical		
 Power calculations: Updated quantities (coefficient of variation, expected effect size) are still more conservative than the corresponding measured quantity in Peru cRCT. 						
three MOH r levels. The s	regions of Gampa stratified random	aha (strata) whic nization necessar	istributed evenly by th have moderately by to ensure an eve will alter the powe	different risk n distribution of		
Any changes Not applicat	to trial outcomes a ble	after commenceme	ent:			
2. Current	status					
			ent complete: follow ment suspended / re			
Number asse	ssed for eligibility:	Not applicable				
Number of h baseline blo Number of c	od sample collec	ited: 3086 (num tion-2444) I for longitudinal	ber of households a cohort: 5141 (nun -4177)			
Number alloc	ated/randomized t	o each intervention	n/arm (please edit as	relevant):		

Not appli	icable.
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Arm 1:

Arm 2:

Losses/exclusions after allocation/randomization (please edit as relevant): **Not applicable.**

Arm 1:

Arm 2:

3. Trial output

Date of trial completion ("last patient, last visit"): Not Applicable

Final sample size: Not applicable

Summary of Interim/Final data (if available):

Not applicable	

Abstract presentations of results at scientific meetings: Note: please include a URL link or scanned copy of the abstract

Title of Abstract	Full citation (please include authors, date, title of conference and place of presentation, page number of abstract).
Cluster randomized placebo- controlled community trial on Spatial Repellent in reducing Aedes-borne viruses in the Gampaha district, Sri Lanka: challenges and solutions. Mosquito control products on the retail market in Gampaha District, Sri Lanka.	Tissera, H., Dheerasinghe, D. A. F., Kanatiwela-de Silva, C., de Silva, Achee, N. L., Greico, J. (2023). Cluster randomized placebo-controlled community trial on Spatial Repellent in reducing Aedes-borne viruses in the Gampaha district, Sri Lanka: challenges and solutions. Asia-Pacific Conference on Mosquito and Vector Control (AMV), Thailand C Kanatiwela de Silva, A Casella, A Dheersinghe, W Kathriarachchi, R Fernando, N Liyanage, L Baker, D Piccinini, J Grieco, N Achee, S Harvey, HA Tissera (2024). Mosquito control products on the retail market in Gampaha District, Sri Lanka. 7th Asia Dengue Summit,
Development and validation	Malaysia ST Ramu, M Dissanayake, C Kanatiwela-de Silva, R Rizan,
of an in-house Dengue IgG ELISA to detect past dengue infections.	N Dasanthi, S Danasekara, L Gomes, C Jeewandara, N Achee, J Grieco, HA de Silva, HA Tissera, GN Malavige (2024). Development and validation of an in-house

	Dengue IgG ELISA to detect past dengue infections. 7th Asia Dengue Summit, Malaysia.
Community-Based Trial Assessing Mosquito Shield TM Efficacy Against Aedes- Borne Viruses: Engaging Communities for Better Impact	C Kanatiwela de Silva, N Achee, A Dheersinghe, J Grieco, HA de Silva, HA Tissera (2024). Community-Based Trial Assessing Mosquito Shield TM Efficacy Against Aedes-Borne Viruses: Engaging Communities for Better Impact. 137th Anniversary International Medical Congress, Sri Lanka

Publications:

Note: please include a URL link or scanned copy of the publication

Title of paper	Full citation (please include authors, title of journal, volume, issue and page numbers, and/or DOI)
A cluster-randomized, placebo-controlled trial to evaluate the efficacy of a spatial repellent (Mosquito Shield™) against Aedes-borne virus infection among children ≥ 4-16 years of age in the Gampaha District, Sri Lanka: study protocol (the AEGIS program).	Tissera, H., Dheerasinghe, D.S.A.F., Malavige, N. et al. A cluster-randomized, placebo-controlled trial to evaluate the efficacy of a spatial repellent (Mosquito Shield™) against Aedes-borne virus infection among children ≥ 4–16 years of age in the Gampaha District, Sri Lanka: study protocol (the AEGIS program). Trials 24, 9 (2023). https://doi.org/10.1186/s13063-022-06998-z
The current roadmap to global recommendation of spatial repellents for public health use.	Achee, N., Perkins, T., Moore, S. et al. Spatial repellents: The current roadmap to global recommendation of spatial repellents for public health use. Curr Res Parasitol Vector Borne Dis. (2022) https://doi.org/10.1016/j.crpvbd.2022.100107

Dr. D. S. A. F Dheerasinghe

Name and signature of Responsible Registrant/