

**WHO Meeting on Buruli ulcer
and other skin neglected tropical diseases**

25–27 March 2019
WHO Headquarters, Geneva, Switzerland

THEME:
**“ENHANCING DETECTION OF SKIN-NTDS THROUGH
INTEGRATION”**

AGENDA

PLENARY SESSIONS

Monday 25 March 2019

[Executive Board Room](#)

The objectives of this meeting are:

- To review the epidemiological situation of Buruli ulcer from endemic countries (2017–2018);
- To share information on activities carried out on Buruli ulcer control and research and achievements made;
- To share experiences on the integrated strategy to control skin NTDs;
- To agree on control and research priorities for the next 2 years and coordinate their implementation; and
- To discuss the post-2020 NTD agenda and targets.

Monday 25 March 2019 09:00 – 12:00 Chair: Mark Wansbrough-Jones		
Time	Subject	Presenters
08:00 – 09:00	Registration and welcome coffee	
09:00 – 09:30	Welcome remarks and updates on Neglected Tropical Diseases Short remarks Rationale and objectives of the meeting	Mwelecele Ntuli Malecela Daniel Argaw Dagne Kingsley Asiedu
09:30 – 10:00	Tribute to the contributions of the late Dr Wayne Meyers towards Buruli ulcer and leprosy	Françoise Portaels
10:00 – 10:20	Buruli ulcer in Australia – 2017–2018 and plans for 2019 <ul style="list-style-type: none"> • Victoria • Queensland 	Paul Johnson Christina Steffen
10:20 – 10:40	Buruli ulcer in Australian Children	N. Deborah Friedman
10:40 – 11:00	Buruli ulcer and other skin-NTDs activities in Côte d'Ivoire – 2017–2018 and plans for 2019	Henri Assé
11:00 – 11:20	Buruli ulcer and other skin-NTDs activities in Benin – 2017–2018 and plans for 2019	Jean Gabin Houézo
11:20 – 11:40	A randomized controlled trial comparing efficacy of 8 weeks treatment with clarithromycin and rifampicin (RC8) versus streptomycin and rifampicin (RS8) for Buruli ulcer in Ghana and Benin – Update	Tjip van der Werf Richard Phillips
11:40 – 12:00	Six versus eight weeks of antibiotics for small <i>Mycobacterium ulcerans</i> lesions in Australian patients	Daniel O'Brien

Monday 25 March 2019

14:00 – 17:00

Chair: Françoise Portaels

Time	Subject	Presenters
14:00 – 14:20	Fourth round of External Quality Assessment Program (EQAP) of molecular detection of <i>Mycobacterium ulcerans</i> in clinical specimens – results and way forward	Miriam Eddyani
14:20 – 14:40	Rationale approach for effective wound care in Benin and Côte d'Ivoire: method and results	Christian Johnson Anita Wadagni
14:40 – 15:00	Skin NTDs – new initiatives	Roderick Hay
15:00 – 15:20	Update on AFRO Integrated Strategy for Case Management of five Neglected Tropical Diseases (Buruli ulcer, Human African Trypanosomiasis, Leishmaniasis, Leprosy and Yaws) in the WHO African Region	Alexandre Tiendrebeogo
15:20 – 15:40	Skin diseases prevalence survey as a part of integrated activities for skin NTDs in Côte d'Ivoire: results from the Adzopé and Gagnoa health districts and implications for future implementation	Rie Yotsu
15:40 – 16:00	Buruli ulcer – where are we now? 2014 WHO programmatic targets and global epidemiology Summary of the 2017 global survey on yaws and mycetoma	Till Omansen
16:00 – 16:20	Post-2020 targets for Buruli ulcer control	Kingsley Asiedu
16:20 – 17:00	Data management tools for Buruli ulcer and yaws and DHIS2	Lise Grout
17:00 – 17:30	Coffee-break	

CONTROL SESSIONS

Tuesday 26 March 2019

[Salle B](#)

***EACH SPEAKER HAS 15 MINUTES FOR PRESENTATION
PLUS 5 MINUTES FOR QUESTIONS***

Tuesday 26 March 2019
Control Session 1 – Integration
09:00 – 12:00
Chair: Emmanuel Agumah

08:30 – 09:00 <i>Welcome coffee</i>		
Time	Subject	Presenters
09:00 – 09:20	Brief updates: <ul style="list-style-type: none"> International conference on mycetoma, Khartoum, Sudan 15-17 February 2019 WHO Informal Consultation on a Framework for Scabies Control, Manilla, Philippines, 19-21 February 2019 	Roderick Hay Michael Marks
09:20 – 09:40	Review of Buruli ulcer surveillance data in Victoria, Australia, 2004 to 2018	Ee Laine Tay
09:40 – 10:00	Buruli ulcer and other skin-NTDs in French-Guiana: 2017-2018 and plans for 2019	Pierre Couppié
10:00 – 10:20	Buruli ulcer and other skin-NTDs in Japan: 2017-2018 and plans for 2019	Murase Chiaki Mariko Sugawara-Mikami
10:20 – 10:40	Buruli ulcer in Gabon: 2017-2018 and plans for 2019	Annick Mondjo
10:40 – 11:00	Buruli ulcer and other skin-NTDs in Ghana: 2017-2018 and plans for 2019	Nana Konama Kotey
11:00 – 11:20	Evidence of the high endemicity of leprosy and yaws in Bale Loko commune, Central African Republic	Alphonse Um Boock
11:20 – 11:40	Integrated approach to the control of skin neglected tropical diseases in Benin	Yves Barogui
11:40 – 12:00	Pilot study on integration in the control of against skin neglected tropical diseases in Togo's Maritime region	Charlotte Amedifou
12:00 – 14:00 <i>Lunch break</i>		

Control Session 2 – Integration**14:00 – 17:00****Chair: Alexandre Tiendrebeogo**

Time	Subject	Presenters
14:00 – 14:20	Epidemiological facies of leprosy in Benin between 2006 and 2018	Ronald Gnimavo
14:20 – 14:40	Developments in the epidemiological situation of Buruli ulcer in Benin between 2008 and 2018	Anita Wadagni
14:40 – 15:00	Disease burden and epidemiology of skin-presenting NTDs in Maryland County, Liberia: results from an integrated cluster-randomised active case search	Emerson Rogers
15:00 – 15:20	Integrating mobile phone and social media interventions into health research: A case for improving early case detection of Buruli ulcer in Ghana and Cote d'Ivoire	Charles Quaye
15:20 – 15:40	Using medical illustrations to aid diagnosis of neglected tropical diseases	Joanna Butler
15:40 – 16:00	Interactive mapping as a tool to investigate for lesion distribution patterns among patients with Buruli ulcer	Arvind Yerramilli
16:00 – 16:20	Update on the further development of the SkinApp	Benita Jansen
16:20 – 16:40	Capacity building practical dermatology skills for NTD and other global health programmes	Claire Fuller
16:40 – 17:00	WHO-UOC Skin NTDs on-line training program: Lessons learnt from former editions	Carne Carrion Ribas

17:00 – 18:00	Informal consultation on medical illustrations of NTDs (optional): During this session, Joanna Butler will present medical illustrations to interested participants and invite their comments	Joanna Butler
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RESEARCH SESSIONS

Tuesday 26 March 2019

[Executive Board Room](#)

Tuesday 26 March 2019

Research session 1 – Poster session

08:30 – 10:00

Chairs: Richard Phillips and Bouke De Jong

Each presenter of this poster session is given the option to introduce their work to the group with a 3-minute slot and a maximum of 3 slides

Poster Presenters

Diagnostics	
1. Stand Chudy	E-nose detection of Buruli ulcer in the DRC
2. Michael Marks	Molecular tools to improve the understanding of yaws in Ghana
Transmission	
3. Yaw Amoako	Buruli ulcer in two neonates: providing insight into incubation period of <i>M. ulcerans</i> disease in this age group
4. Fosu Samuel Gyasi	The influence of climatic variations patterns to the development of <i>M. ulcerans</i> infections in the Brong Ahafo Region of Ghana.
5. David Coulibaly N'golo	Molecular evidence of the implication of non- <i>M. ulcerans</i> pathogens in skin diseases liked Buruli ulcer using PCR targeting the insertion sequences and the ketoreductase gene
6. Daniel Sanhueza	Towards an index of biotic integrity for use in Buruli ulcer endemic and non-endemic tropical regions
7. Bouke De Jong/Tim Stinear	Introduction of Buruli ulcer in the Bankim HD of Cameroon follows damming the Mapé River

Treatment	
8. Maria Letizia Iabichella	Skin microcirculation assessment in Buruli ulcer
9. Daniel O'Brien	Spontaneous healing of <i>Mycobacterium ulcerans</i> disease in Australian patients
10. Kurt-Wilhelm Stahl	LeiProtect®, a specially approved, economic filmogenic gel, for NTD skin lesion management
11. Antonio Carlo Galoforo	Implementation of a nursing protocol for the use of ozonotherapy in the treatment of Buruli ulcer
Vaccines	
12. Justice Boakye-Appiah	Buruli ulcer disease: the search for mycolactone-based vaccine
13. Mélanie Foulon	Local humoral response during <i>M. ulcerans</i> infection: production of mycolactone-recognizing and neutralizing antibodies
14. Tim Stinear	Identifying correlates of protection for a vaccine against <i>Mycobacterium ulcerans</i> infection in a low-dose murine challenge model
Other skin NTDs	
15. Ymkje Stienstra	Efficacy of ivermectin mass-drug administration to control scabies in asylum seekers in the Netherlands: A retrospective cohort study between January 2014 - March 2016
16. Leila Zaki	Preventive and therapeutic effects of morphine on ulcers caused by <i>Leishmania major</i> in BALB/c mice
10:00 – 11:00	<i>Electronic poster session and coffee</i>

ORAL PRESENTATIONS

EACH SPEAKER HAS 10 MINUTES PLUS 5 MINUTES FOR QUESTIONS

Research session 2 – Pathogenesis

11:00 – 12:00

Chairs: Rachel Simmonds and Laure Guenin-Macé

Time	Subject	Presenter
Pathogenesis		
11:00 – 11:15	Sec61 blockade by mycolactone: a central mechanism in Buruli ulcer disease	Caroline Demangel
11:15 – 11:30	Proteomic analysis of the endothelial cell response to mycolactone	Belinda Hall
11:30 – 11:45	Local coagulopathy in the skin lesions of Buruli ulcer patients	Louise Tzung-Harn Hsieh
11:45 – 12:00	Understanding host interactions of mycolactone in order to improve storage and measurement, facilitating diagnostics	Harshini Mukundan
12:00 – 14:00	Lunch break	

Research session 3 – Diagnostics and non-antibiotic treatments

14:00 – 16:00

Chair: Tjip van der Werf and Marie-Thérèse Ruf

Time	Subject	Presenter
Diagnostics and non-antibiotic treatments		
14:00 – 14:15	Initial serological screening test for <i>Mycobacterium ulcerans</i> exposure in Victoria, Australia	Michael Selorm Avumegah
14:15 – 14:30	Joint efforts to develop rapid diagnostic tests for the early diagnosis of Buruli ulcer	Israel Cruz
14:30 – 14:45	A field-deployable recombinase polymerase amplification assay for rapid detection of <i>Mycobacterium ulcerans</i>	Michael Frimpong
14:45 – 15:00	Assessment of a field-deployable LAMP assay for rapid detection of <i>Mycobacterium ulcerans</i>	Tim Stinear
15:00 – 15:15	Potential therapeutic application of autologous leukocyte and platelet rich fibrin (L-PRF) as an alternative intervention for wound healing in Buruli ulcer	Indra Bahadur Napit
15:15 – 15:30	Acute changes of skin microcirculation in Buruli ulcers after local ozone therapy	Maria Letizia Iabichella
15:30 – 16:00	Coffee break	

Research session 4 – Transmission

16:00– 17:15

Chairs: Estelle Marion and Michael Frimpong

16:00 – 16:15	Controlling Buruli ulcer in Victoria: case-control study	Eugene Athan
16:15 – 16:30	A multifactorial mosquito control intervention versus standard community information for the reduction of Buruli ulcer in Victoria, Australia: a cluster randomised controlled trial	Jane Oliver Simon Crouch
16:30 – 16:45	Environmental control of diseases: quantitative survey of the impact of well-drilling on Buruli ulcer	Horace Degnonvi
16:45 – 17:00	The association of Buruli ulcer disease endemicity with major climatic, epidemiological and socio-environmental factors: a geospatial analysis from southern Nigeria	Saskia Kreibich

PLENARY SESSIONS

Wednesday 27 March 2019

[Executive Board Room](#)

Control Session – General topics**09:00 – 12:00****Chair: Ghislain Sopoh****08:30 – 09:00****Welcome coffee**

Time	Subject	Presenters
09:00 – 09:20	The search for Buruli ulcer in Sierra Leone	Helen Please
09:20 – 09:40	Buruli ulcer treatment: antimicrobial therapy is the mainstay of treatment, but the rate of surgical intervention differs highly between treatment centres	Anita Wadagni
09:40 – 10:00	The integrated control of skin NTDs in Cameroon	Earnest Njih Tabah
10:00 – 10:20	Implementation of an integrated management of skin NTDs in Ghana: Experiences from the laboratory	Bernadette Agbavor
10:20 – 10:40	Prevalence and profile of HIV in patients with <i>Mycobacterium ulcerans</i> infection in Nigeria	Anthony Meka
10:40 – 11:00	Assessment of community understanding of the aetiology, transmission, presentation, treatment and prevention of Buruli ulcer disease (<i>Mycobacterium ulcerans</i> infection) in Southern Nigeria	Ngozi Ekeke
11:00 – 11:20	Health seeking behaviour for Buruli ulcer disease in the Obom sub-district of the Ga south Municipality of Ghana	Eric Koka
11:20 – 11:40	Integrated approach to tropical lymphoedemas: simple interventions reduce acute episodes in all tropical lymphoedemas and improve quality of life.	Claire Fuller
11:40 – 12:00	The ENDPoINT Consortium – integrating limb care and wellbeing support across skin-NTDs	Gail Davey
12:00 – 14:00	Lunch break	

Research session – Treatment

Wednesday 14:00 – 15:30

Chairs: Ymkje Stienstra and Jérôme Robert

Time	Subject	Presenter
Treatment		
14:00 – 14:15	Triple oral beta-lactam containing therapy for Buruli ulcer treatment shortening	Santiago Ramon-Garcia
14:15 – 14:30	High-dose rifampin for Buruli ulcer: pre-clinical studies and recommendations for clinical testing	Till Omansen
14:30 – 14:45	Repurposing of tuberculosis drug candidates for the treatment of Buruli ulcer	Gerd Pluschke
14:45 – 15:00	Further shortening of Buruli ulcer treatment: targeting the respiratory chain and exploiting <i>M. ulcerans</i> gene decay	Paul Converse
15:00 - 15:15	High-dose rifampicin and Q203 for ultra-short treatment of Buruli ulcer	Deepak Almeida
15:15 – 15:30	A pilot study of nitric oxide generating dressing (EDX) in the management of Buruli ulcer disease	Richard Phillips
15:30 – 16:00	<i>Coffee break</i>	

Conclusions and recommendations

16:00 – 17:00

Executive Board Room