

Scientific Programme

Workshop (WS)
08:00 - 14:30

Session Room 3

02. TB transmission control: advances in the sustainable implementation of the F-A-S-T control strategy and upper room germicidal UV air disinfection.

This workshop focuses on advances in the sustainable implementation of two evolving TB transmission control strategies: F-A-S-T and Germicidal ultraviolet (GUV) air disinfection. F-A-S-T stands for Finding cases Actively, Separating safely, and Treating promptly and effectively based on rapid molecular testing. GUV is a new acronym for upper room Germicidal Ultraviolet air disinfection - removing 'irradiation' from the name because of confusion with more dangerous forms of ionizing radiation. There has been great progress in recent years in implementing both of these approaches, one administrative, the other environmental engineering.

F-A-S-T is based on the premise that traditional TB IC activities focus on known TB cases are often misplaced because known TB cases placed on effective therapy become rapidly non-infectious - long before sputum smear and culture conversion. It recognises that the primary source of transmission in congregate settings is likely to be occupants with unsuspected, untreated pulmonary TB, or persons with known TB with unsuspected, inadequately treated drug-resistant TB. This refocused, intensified administrative approach employs active case-finding and rapid molecular testing to promptly identify and effectively treat all coughing patients entering a facility so that there is no one able to transmit. This workshop will feature programmes around the world that have implemented F-A-S-T in a sustainable fashion.

Although natural ventilation is essential, by definition it is not applicable in all locations day and night. GUV with air mixing is an old technology, but new research has led to evidence of substantial efficacy as well as clear guidelines on how to apply upper room GUV air disinfection. A major obstacle that will be addressed is sustainability - the need for profitable companies to maintain upper room GUV systems because experience has shown that most hospitals cannot. Various examples of sustainable approaches will be shared.

Intro and Overview of FAST	08:00 - 08:10
FAST in Russia	08:10 - 08:20
FAST in Viet Nam	08:20 - 08:30
FAST in Bangladesh	08:30 - 08:40
FAST in Nigeria	08:40 - 08:50
How to sustain FAST?	08:50 - 09:00
Introduction and overview of GUV	09:00 - 09:10
Sustainable GUV in Russia	09:10 - 09:20
Sustainable GUV in India	09:20 - 09:30
Sustainable GUV in South Africa	09:30 - 09:40