

DEPARTMENT OF DERMATOLOGY, VENEREOLOGY AND LEPROSY
SREE BALAJI MEDICAL COLLEGE AND HOSPITAL, CHENNAI
SYMPOSIUM (21st AUGUST 2025)

1. Dr. Rithika Mukkawar - Animal Models in Leprosy

2. Dr. Hemita - Chemotherapy in Leprosy.

The first presentation was by Dr. Rithika Mukkawar about different animal models in Leprosy. A brief introduction about Mycobacterium Leprae and different animal models was given. Timeline of various animal models that were used was discussed. Murine model was discussed in detail regarding the different types of infection strategies, their application and their limitations. Then manifestation of leprosy, neurological involvement and pathogenesis limitations in Armadillo model was talked about in detail. The presentation was concluded with highlighting leprosy manifestations in non human primate models.



It was followed by the presentation on Chemotherapy of Leprosy by Dr. Hemita. The presentation started with an introduction about MDT in leprosy then about the historical background and Resistance of different drugs like dapsone and rifampicin. Rationale for MDT was talked about. Revised treatment regimens for leprosy were discussed. A detailed talk about dapsone, rifampicin, clofazimine, their adverse effects and drug interactions was given. Alternative Regimens were discussed. The presentation was ended with talk on drug resistance and what has to be done in drug resistance cases.

The session was concluded by Assistant Professor Dr. Shreya Srinivasan by giving her insightful thoughts on other newer animal models, uses of animal models, other drugs in leprosy and drug resistance.