

Xpert MTB/RIF: diagnosis of pulmonary and extrapulmonary TB

CHAIR: Stacie Stender (South Africa) - **SECTION:** Tuberculosis/Bacteriology & Immunology

- PD-536-30 Results of RT-PCR examinations in the diagnosis of pulmonary and extra-pulmonary tuberculosis
T Pyanzova, M Primkulova, N Luzina (Russian Federation)
- PD-537-30 Culture results of presumptive drug-resistant pulmonary TB patients with *Mycobacterium tuberculosis* (MTB) not detected result on Xpert MTB/RIF®
P Dave, P Patel, b Vadera, B Modi, K Rade, Sand Bharaswadkar, M Ghedia, A Amar Shah (India)
- PD-538-30 Detection of *Mycobacterium tuberculosis* from faeces sample by Xpert MTB/RIF
S. Yoshimatsu, H Kokutou, Lina Yi, K Mizuno, Y Sasaki, S Mitarai (Japan)
- PD-539-30 Utility of string test and stool for diagnosing pulmonary tuberculosis using geneXpert MTB/RIF
A Dinardo, A Hahn, J Leyden, E Graviss, C Stager, E Baron, A Mandalakas, E Guy (USA)
- PD-540-30 The role of loop-mediated isothermal amplification (TB-LAMP) and Xpert MTB/RIF for the diagnosis of pleural tuberculosis
Mulu Getahun, Y Fisiha, A Kebede, T Gebeyehu, Z Dagne, A Abebe, S Mitarai, E Lemma (Ethiopia, Japan)
- PD-541-30 Use of a connectivity solution (GxAlert) in GeneXpert machines improves DR-TB data collection and patient management in Nigeria
K Jimoh, J Takle, L Ekbladh, J O Obasanya, C Macek, O Adeleke (Nigeria, USA)
- PD-542-30 Assessment of bacterial load quantitation by Xpert®MTB/RIF to predict the smear microscopy grade of TB patients: a rural lab network in Swaziland
G Obregon Boltan, B Kerschberger, A Antierens, R Dela Tour (Peru)
- PD-543-30 Remote calibration: experience from GeneXpert implementation in Malawi
A Omer, S Dalebout, Stev Neri, B Gadama, M Mkata, A Mwanyimbo, R Nalikulungwi, A Trusov (Malawi, Namibia, USA)
- PD-544-30 Evaluation of cost-effectiveness of MODS vs GeneXpert MTB/rif for the diagnosis of pulmonary TB in an African setting
P Wikman Jorgensen, J Llenas-garcia, T Perez-porcuna, A Morales-cartagena, M Hobbins, R Abellana, A Mussa, C Ascaso (Mozambique)
- PD-545-30 A pragmatic randomised trial to assess impact of LPA versus Xpert MTB/RIF versus MGIT in Brazil
A Kritski, M De Oliveira, D Ramalho, I Langley, P Phillips, A Detjen, P Fujiwara, S Squire (Brazil, UK, USA)
- PD-546-30 Confirmation of Xpert-detected rifampicin resistance adds unnecessary complexity to treatment decisions
N Lorent, C Kong, T Kim, W De Rijk, S Thai, L Rigouts (Belgium, Cambodia)
- PD-547-30 Contribution of Xpert® MTB/RIF real-time PCR in the diagnosis extrapulmonary tuberculosis
F Doucet-populaire, C Guillet Caruba, N. Bourgeois-nicolaos, A. Vessieres, F. Jaureguy, C. Theis, B. Picard (France)

Gene polymorphisms and immunology

CHAIR: Thomas Shinnick (USA) - **SECTION:** Tuberculosis/Bacteriology & Immunology

- PD-548-30 Vitamin D receptor (FOK I) gene polymorphism in pulmonary tuberculosis patients at Mulago hospital
E Acen, JOSE Erume, W O Worodria (Uganda)
- PD-549-30 Influence of gene polymorphism (IL-2 and IL-4) and cytokines in patients with recurrent pulmonary tuberculosis on standard chemotherapy
D Butov, M Kuzhko, A Stepanenko, T Butova (Ukraine)
- PD-550-30 Associations between human leukocyte antigen class I variants and the *Mycobacterium tuberculosis* subtypes causing disease
M Salie, L Van Der Merwe, M Moller, P Van Helden, X Gao, R M Warren, M Carrington, E Hoal (South Africa)
- PD-551-30 ~~Racial differences in neutrophil counts and reported neutropenia in two international TB treatment trials, rifapentine-rifampicin, TBTC Studies29-29x CANCELLED~~
- PD-552-30 Laboratory indices in the patients with pulmonary tuberculosis according to CYP2E1 genotype
P Antonenko, V. Kresyun, V. Filuk, K Antonenko, N. Gerasimova, Yu Danilenko, G Mozolevich (Ukraine)
- PD-553-30 Expression of membrane-bound receptors to tumor necrosis factor alpha in active pulmonary tuberculosis
A Alshevskaya, Z Laushkina, F Kireev, J Lopatnikova, S Sennikov (Russian Federation)