

New Diagnostics Working Group

New Diagnostics Working Group E-News
November 2013

New scientific articles

[Validation of Biomarkers for Distinguishing Mycobacterium tuberculosis from Non-Tuberculous Mycobacteria Using Gas Chromatography–Mass Spectrometry and Chemometrics](#)

Ngoc A. Dang mail, Sjoukje Kuijper, Elisabetta Walters, Mareli Claassens, Dick van Soolingen, Gabriel Vivo-Truyols, Hans-Gerd Janssen, Arend H. J. Kolk. PLoS One. 2013 Oct

[Feasibility, accuracy, and clinical effect of point-of-care Xpert MTB/RIF testing for tuberculosis in primary-care settings in Africa: a multicentre, randomised, controlled trial](#)

Theron G, Zijenah L, Chanda D, Clowes P, Rachow A, Lesosky M, Bara W, Mungofa S, Pai M, Hoelscher M, Dowdy D, Pym A, Mwaba P, Mason P, Peter J, Dheda K. Lancet. 2013 Oct

[Comparative Evaluation of GenoType MTBDRplus Line Probe Assay with Solid Culture Method in Early Diagnosis of Multidrug Resistant Tuberculosis \(MDR-TB\) at a Tertiary Care Centre in India.](#)

Yadav RN, Singh BK, Sharma SK, Sharma R, Soneja M, Sreenivas V, Myneedu VP, Hanif M, Kumar A, Sachdeva KS, Paramasivan CN, Vollepore B, Thakur R, Raizada N, Arora SK, Sinha S. PLoS One. 2013 Oct

[LED-Fluorescence Microscopy for Diagnosis of Pulmonary Tuberculosis under Programmatic Conditions in India.](#)

Reza LW, Satyanarayna S, Enarson DA, Kumar AM, Sagili K, Kumar S, Prabhakar LA, Devendrappa NM, Pandey A, Wilson N, Chadha S, Thapa B, Sachdeva KS, Kohli MP. PLoS One. 2013 Oct

[Systematic review of the performance of rapid rifampicin resistance testing for drug-resistant tuberculosis.](#)

Arentz M, Sorensen B, Horne DJ, Walson JL. PLoS One. 2013 Oct

[Mutation in katG315 is, possibly, a good prognostic marker for treatment with second-line drugs in multi-drug resistant tuberculosis: A preliminary study.](#)

Ahmed MM, Mohammed SH, Nasurallah HA. Indian J Med Microbiol. 2013 Oct

[Cost-effectiveness of routine diagnostic evaluation of pulmonary tuberculosis in a primary care unit in Brazil.](#)

Guerra RL, Dorman SE, Luiz RR, Conde MB. Int J Tuberc Lung Dis. 2013 Oct;

[Cost-effectiveness of Xpert® MTB/RIF for diagnosing pulmonary tuberculosis in the United States.](#)

Choi HW, Miele K, Dowdy D, Shah M. Int J Tuberc Lung Dis. 2013 Oct

[Validation of sputum smear results in the Electronic TB Register for the management of tuberculosis, South Africa.](#)

Dilraj A, Bristow CC, Connolly C, Margot B, Dlamini S, Podewils LJ. Int J Tuberc Lung Dis. 2013 Oct

[First proficiency testing of second-line anti-tuberculosis drug susceptibility testing in 12 provinces of China.](#)

Jiang GL, Chen X, Song Y, Zhao Y, Huang H, Kam KM. Int J Tuberc Lung Dis. 2013 Oct

[Comparison of molecular and immunological methods for the rapid diagnosis of smear-negative tuberculosis.](#)

Jafari C, Ernst M, Kalsdorf B, Lange C. Int J Tuberc Lung Dis. 2013 Nov

[Point-of-care diagnostics for tuberculosis elimination?](#)

Wejse C. Lancet. 2013 Oct

[Meta-analysis to compare the accuracy of GeneXpert, MODS and the WHO 2007 algorithm for diagnosis of smear-negative pulmonary tuberculosis.](#)

Walusimbi S, Bwanga F, De Costa A, Haile M, Joloba M, Hoffner S. BMC Infect Dis. 2013 Oct

[Discordance across several drug susceptibility methods for drug-resistant tuberculosis in a single laboratory.](#)

Banu S, Rahman SM, Khan MS, Ferdous SS, Ahmed S, Gratz J, Stroup S, Pholwat S, Heysell SK, Houpt ER. J Clin Microbiol. 2013 Oct

[Diagnostic Accuracy of Quantitative PCR \(Xpert MTB/RIF\) for Tuberculous Meningitis in a High Burden Setting: A Prospective Study.](#)

Patel VB, Theron G, Lenders L, Matinyena B, Connolly C, Singh R, Coovadia Y, Ndung'u T, Dheda K. PLoS Med. 2013 Oct

Key Publications

[Global Tuberculosis Report 2013](#)

WHO

[Xpert MTB/RIF system for the diagnosis of pulmonary and extrapulmonary TB in adults and children](#)

WHO - Policy Update

[2013 Report on Tuberculosis Research Funding Trends, 2005–2012](#)

Treatment Action Group

[TB Microscopy Network Accreditation - An Assessment Tool](#)

Global Laboratory Initiative

[TB Sputum Microscopy - The Handbook](#)

Global Laboratory Initiative

Other Publications

[The International Journal of Tuberculosis and Lung Disease](#)

December 2013 Issue online

[Nature Supplement: Tuberculosis Special Focus](#)

Nature October 2013

[Household tuberculosis interventions—how confident are we?](#)

Getahun H, Raviglione M. Lancet. 2013 Oct

[Review of the European Respiratory Society Congress 2013](#)

Treatment strategies respiratory

[Provisional CDC Guidelines for the Use and Safety Monitoring of Bedaquiline Fumarate \(Sirturo\) for the Treatment of Multidrug-Resistant Tuberculosis.](#)

CDC

News

[4th Advanced TB Diagnostic Research Course](#)

McGill University, Montreal, Quebec, Canada - July 7–11, 2014

[The Future of TBDx and Computer Vision Microscopy has arrived](#)

Applied Visual Sciences Blog

[The Global Fund New Funding Model](#)

The Global Fund has developed a new funding model that will allow it to invest more strategically, maximize its resources and achieve greater global impact.

[TB challenge over 'missing' millions](#)

BBC

[Tuberculosis: a war that must be won on the ground and in the field](#)

The Lancet Global Health Blog

[Dramatic scale-up of programmatic management of drug-resistant TB in India](#)

CNS

[Shortage of #TB drugs is a reality](#)

R. Alagna. Blog TBInnovation. 2013 Sept.

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