

New Diagnostics Working Group

New Diagnostics Working Group E-News
June 2014

Key publications

[Risk assessment guidelines for infectious diseases transmitted on aircraft \(RAGIDA\) – Tuberculosis](#)
ECDC

[Review of the Tuberculosis Programme in Kosovo](#)
WHO-EURO

[Bulletin of the WHO- Collaboration is key for new global tuberculosis strategy](#)
WHO

[Ancient Enemy, Modern Imperative: A Time for greater action against Tuberculosis](#)
The Economist- Intelligence Unit

[WHO targets elimination of TB in over 30 countries](#)

- [Fact sheets](#)
 - [Infographic TB Elimination](#)
- WHO/ERS

Scientific articles

[The performance and limitation of T-SPOT.TB for the diagnosis of TB in a high prevalence setting.](#)
Zhu C, Liu Z, Li Z, Mei S, Hu Z. J Thorac Dis. 2014 Jun

[A comparison between the efficiency of the Xpert MTB/RIF assay and nested PCR in identifying Mycobacterium tuberculosis during routine clinical practice](#)

Kim CH, Woo H, Hyun IG, Kim C, Choi JH, Jang SH, Park SM, Kim DG, Lee MG, Jung KS, Hyun J, Kim HS. J Thorac Dis. 2014 Jun;

[IP-10 is an accurate biomarker for the diagnosis of tuberculosis in children.](#)

Latorre I, Díaz J, Mialdea I, Serra-Vidal M, Altet N, Prat C, Díez N, Escribano A, Casas I, Rodrigo C, Ausina V, Ruhwald M, Dominguez J. J Infect. 2014 Jun

[Evaluation of real-time loop-mediated isothermal amplification \(RealAmp\) for rapid detection of Mycobacterium tuberculosis from sputum samples](#)

Li Y, Shi L, Pan A, Cao W, Chen X, Meng H, Yan H, Miyoshi SI, Ye L. J Microbiol Methods. 2014 Jun

[Serologic diagnosis of tuberculosis by combining Ig classes against selected mycobacterial targets.](#)

Baumann R, Kaempfer S, Chegou NN, Oehlmann W, Loxton AG, Kaufmann SH, van Helden PD, Black GF, Singh M, Walzl G. J Infect. 2014 Jun

[A comparison of tools used for tuberculosis diagnosis in resource-limited settings: a case study at mubende referral hospital, Uganda.](#)

Muwonge A, Malama S, Bronsvort BM, Biffa D, Ssengooba W, Skjerve E. PLoS One. 2014 Jun

[Rapid Detection of Mycobacterium Tuberculosis Using a Novel Ultra-Fast Chip-Type Real-Time PCR System.](#)

Lee SH, Kim SW, Lee S, Kim E, Kim DJ, Park S, Lee EJ, Lee SY, Lee JS, Lim CS, Kim WK, In KH. Chest. 2014 Jun

[Evaluation of a biphasic media assay for pyrazinamide drug susceptibility testing of Mycobacterium tuberculosis.](#)

Gonzalo X, Drobniowski F, Hoffner S, Werngren J. J Antimicrob Chemother. 2014 Jun

[Screening for Streptomycin Resistance-Confering Mutations in Mycobacterium tuberculosis Clinical Isolates from Poland.](#)

Jagielski T, Ignatowska H, Bakula Z, Dziewit L, Napiorkowska A, Augustynowicz-Kopeć E, Zwolska Z, Bielecki J. PLoS One. 2014 Jun

[Cost-effectiveness of rapid susceptibility testing against second-line drugs for tuberculosis.](#)

Dowdy DW, Hoog AV, Shah M, Cobelens F. Int J Tuberc Lung Dis. 2014 Jun

[Linezolid in the treatment of drug-resistant tuberculosis: the way forward?](#)

Yew WW, Lange C. Int J Tuberc Lung Dis. 2014 Jun

[Xpert MTB/RIF as a Measure of Sputum Bacillary Burden. Variation by HIV Status and Immunosuppression](#)

Hanrahan CF, Theron G, Bassett J, Dheda K, Scott L, Stevens W, Sanne I, Van Rie A. Am J Respir Crit Care Med. 2014 Jun

[Performance of solid and liquid culture media for the detection of Mycobacterium tuberculosis in clinical materials: meta-analysis of recent studies](#)

Rageade F, Picot N, Blanc-Michaud A, Chatellier S, Mirande C, Fortin E, van Belkum A. Eur J Clin Microbiol Infect Dis. 2014 Jun

[The identification of tuberculosis biomarkers in human urine samples.](#)

Young BL, Mlamla Z, Gqamana PP, Smit S, Roberts T, Peter J, Theron G, Govender U, Dheda K, Blackburn J. Eur Respir J. 2014 Jun

[Novel DNA chip based on a modified DigiTag2 assay for high-throughput species identification and genotyping of Mycobacterium tuberculosis complex isolates.](#)

Srilohasin P, Chaiprasert A, Tokunaga K, Nao N, Prammananan T. J Clin Microbiol. 2014 Jun

[Concordance between molecular and phenotypic testing of Mycobacterium tuberculosis complex isolates for resistance to rifampin and isoniazid in the United States](#)

Yakrus MA, Driscoll J, Lentz AJ, Sikes D, Hartline D, Metchock B, Starks AM. J Clin Microbiol. 2014 Jun

[Comparison of Xpert MTB/RIF with line probe assay for detection of rifampin-mono-resistant Mycobacterium tuberculosis.](#)

Rufai SB, Kumar P, Singh A, Prajapati S, Balooni V, Singh S. J Clin Microbiol. 2014 Jun

[Diagnostic accuracy of Xpert MTB/RIF for extrapulmonary tuberculosis specimens: establishing a laboratory testing algorithm for South Africa](#)

Scott LE, Beylis N, Nicol M, Nkuna G, Molapo S, Berrie L, Duse A, Stevens WS. J Clin Microbiol. 2014 Jun

Other publications

[Treating tuberculosis as a social disease](#)

Ali M.

[Identification of differentially expressed long non-coding RNAs in CD4+ T cells response to latent tuberculosis infection.](#)

Yi Z, Li J, Gao K, Fu Y. J Infect. 2014 Jun

[Prevalence, screening and treatment of latent tuberculosis among oral corticosteroid recipients.](#)

Vozoris NT, Seemangal J, Batt J. Eur Respir J. 2014 Jun

[Biochemical Characterization of Quinolinic Acid Phosphoribosyltransferase from Mycobacterium tuberculosis H37Rv and Inhibition of Its Activity by Pyrazinamide](#)

Kim H, Shibayama K, Rimbara E, Mori S. PLoS One. 2014 Jun

[Nanoparticles as Drug Delivery System against Tuberculosis in Zebrafish Embryos: Direct Visualization and Treatment](#)

Fenaroli F, Westmoreland D, Benjaminsen J, Kolstad T, Skjeldal FM, Meijer AH, van der Vaart M, Ulanova L, Roos N, Nyström B, Hildahl J, Griffiths G. ACS Nano. 2014 Jun

[Tuberculosis control in New York City--a changing landscape](#)

Macaraig M, Burzynski J, Varma JK. N Engl J Med. 2014 Jun

[Tuberculosis in BRICS: challenges and opportunities for leadership within the post-2015 agenda](#)

Creswell J, Sahu S, Sachdeva KS, Ditiu L, Barreira D, Mariandyshev A, Mingting C, Pillay Y. Bull World Health Organ. 2014 Jun

[Multidrug-resistant tuberculosis in the United Kingdom and Lithuania.](#)

Gonzalo X, Hutchison DC, Drobniowski FA, Pimkina E, Davidaviciene E. Int J Tuberc Lung Dis. 2014 Jun

[Survey of tuberculosis drug resistance among Tibetan refugees in India.](#)

Salvo F, Dorjee K, Dierberg K, Cronin W, Sadutshang TD, Migliori GB, Rodrigues C, Trentini F, Di Serio C, Chaisson R, Cirillo DM. Int J Tuberc Lung Dis. 2014 Jun

[Multidrug-resistant and extensively drug-resistant tuberculosis: a review of current concepts and future challenges](#)

Günther G. Clin Med. 2014 Jun

[Treatment optimization in patients co-infected with HIV and Mycobacterium tuberculosis infections: focus on drug-drug interactions with rifamycins.](#)

Regazzi M, Carvalho AC, Villani P, Matteelli A. Clin Pharmacokinet. 2014 Jun

[Measuring the effect of tuberculosis control: a step forward.](#)

Migliori GB, Sotgiu G. Lancet. 2014 Jun

[Tuberculosis prevalence in China, 1990-2010; a longitudinal analysis of national survey data](#)

Wang L, Zhang H, Ruan Y, Chin DP, Xia Y, Cheng S, Chen M, Zhao Y, Jiang S, Du X, He G, Li J, Wang S, Chen W, Xu C, Huang F, Liu X, Wang Y. Lancet. 2014 Jun

[Analysis of miRNA expression profiling in human macrophages responding to Mycobacterium infection: induction of the immune regulator miR-146a.](#)

Liu Z, Zhou G, Deng X, Yu Q, Hu Y, Sun H, Wang Z, Chen H, Jia C, Wang D. J Infect. 2014 Jun

[Immunology: Fixing the odds against tuberculosis](#)

Behar SM, Sasseti CM. Nature. 2014 Jul

[Prevalence, screening and treatment of latent tuberculosis among oral corticosteroid recipients](#)

Vozoris NT, Seemangal J, Batt J. Eur Respir J. 2014 Jun

[Operational research leading to rapid national policy change: tuberculosis-diabetes collaboration in India](#)

Kumar, A. M. V.; Satyanarayana, S.; Wilson, N. C.; Chadha, S. S.; Gupta, D.; Nair, S.; Zachariah, R. Kapur, A.; Harries, A. D. Public Health Action. 2014 Jun

[Host-directed therapy of tuberculosis based on interleukin-1 and type I interferon crosstalk](#)

Mayer-Barber KD, Andrade BB, Oland SD, Amaral EP, Barber DL, Gonzales J, Derrick SC, Shi R, Kumar NP, Wei W, Yuan X, Zhang G, Cai Y, Babu S, Catalfamo M, Salazar AM, Via LE, Barry CE 3rd, Sher A. Nature. 2014 Jul

[Analysis of 30 Patients with Acupuncture-Induced Primary Inoculation Tuberculosis](#)

Liu Y, Pan J, Jin K, Liu C, Wang J, Chen L, Chen L, Yuan J. PLoS One. 2014 Jun

News

[Cheap test slashes time taken to diagnose TB](#)

[Health Officials Aim to Eliminate TB in 33 Countries](#)

[U.K. Omitted From Plan to Eliminate TB in Rich Countries](#)

[Vatican official opens global TB meeting](#)

[Nepal PM diagnosed with tuberculosis: Party spokesman](#)

[Pere Joan Cardona, recognized for research into tuberculosis vaccine](#)

[The Orbital® inhaler, developed by PA for Pharmaxis, is being used in key research to combat tuberculosis](#)

[The establishment of a national TB coalition in Macedonia sets the example for other countries in the region](#)

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