

# SDI 2472-2491\_21: Articles Alert | Tuberculosis

## [A nanocompartment system contributes to defense against oxidative stress in Mycobacterium tuberculosis](#)

KA Lien, K Dinshaw, RJ Nichols, C Cassidy-Amstutz... - eLife, 2021

## 2. [An integrated computational framework to design a multi-epitopes vaccine against Mycobacterium tuberculosis](#)

A Albutti - Scientific Reports, 2021

## 3. [Durations of asymptomatic, symptomatic, and care-seeking phases of tuberculosis disease with a Bayesian analysis of prevalence survey and notification data](#)

CC Ku, P MacPherson, ME Khundi, RH Nzawa Soko... - BMC Medicine, 2021

## 4. [The Historical Evolution of Ocular Tuberculosis: Past, Present, and Future](#)

BK Betzler, DV Gunasekeran, J Kempen, JR Smith... - Ocular Immunology and Inflammation, 2021

## 5. [Prevalence and Risk Factors of Active Tuberculosis in Patients with Rheumatic Diseases: A Multi-center, Cross-Sectional Study in China](#)

X Liu, L Zhang, F Zhang, X Zeng, Y Zhao, Q Wang... - Emerging Microbes & Infections, 2021

## 6. [Evaluation of implementation and effectiveness of digital adherence technology with differentiated care to support tuberculosis treatment adherence and improve ...](#)

AW Tadesse, Z Mohammed, N Foster, M Quaife... - BMC Infectious Diseases, 2021

## 7. [Monocyte-related gene biomarkers for latent and active tuberculosis](#)

Li, Y Deng, J He - Bioengineered, 2021

## 8. [Molecular Detection of Airborne Mycobacterium tuberculosis in South African High Schools](#)

EW Bunyasi, K Middelkoop, A Koch, Z Hoosen... - American Journal of Respiratory and Critical Care Medicine, 2021

**9. Mitigating domain shift in AI-based tuberculosis screening with unsupervised domain adaptation**

N Ravin, S Saha, A Schweitzer, A Elahi, F Dako... - arXiv preprint arXiv ..., IEEE Access, 2021

**10. Retrospective evaluation of routine whole genome sequencing of Mycobacterium tuberculosis at the Belgian National Reference Center, 2019**

K Soetaert, PJ Ceysens, S Boarbi, B Bogaerts... - Acta Clinica Belgica, 2021

**11. Assessment of epidemiological and genetic characteristics and clinical outcomes of resistance to bedaquiline in patients treated for rifampicin-resistant tuberculosis: a cross-sectional and longitudinal study**

NA Ismail, SV Omar, H Moultrie, Z Bhyat, F Conradie... - The Lancet Infectious Diseases, 2021

**12. Association of multidimensional poverty and tuberculosis in India**

D Pathak, G Vasishtha, SK Mohanty - BMC Public Health, 2021

**13. Pleural Tuberculosis**

JA Shaw, CFN Koegelenberg - Clinics in Chest Medicine, 2021

**14. Identification of Recent Tuberculosis Exposure Using QuantiFERON-TB Gold Plus, a Multicenter Study**

S Pérez-Recio, N Pallarès, MD Grijota-Camino... - Microbiology Spectrum, 2021

**15. Enhanced serodiagnostic potential of a fusion molecule consisting of Rv1793, Rv2628 and a truncated Rv2608 of Mycobacterium tuberculosis**

S Sulman, S Shahid, A Khaliq, A Ambreen, IH Khan... - PloS one, 2021

**16. Predictors of slow clinical response and extended treatment in patients with extra-pulmonary tuberculosis in Pakistan, A hospital-based prospective study**

A Ambreen, S Tahseen, A Wali, M Jamil, SZH Naqvi... - PloS one, 2021

**17. [Anti-tuberculosis drug delivery for tuberculous bone defects](#)**

L Hua, H Qian, T Lei, W Liu, X He, Y Zhang, P Lei, Y Hu - Expert Opinion on Drug Delivery, 2021

**18. [Tuberculosis contact investigation following the stone-in-the-pond principle in the Netherlands–Did adjusted guidelines improve efficiency?](#)**

S van de Berg, C Erkens, C Mulder - Eurosurveillance, 2021

**19. [Antimycobacterial and anti-inflammatory activities of thiourea derivatives focusing on treatment approaches for severe pulmonary tuberculosis](#)**

SD Calixto, TLBV Simão, MV Palmeira-Mello... - Bioorganic & Medicinal Chemistry, 2021

**20. [Comparative Performance of Genomic Methods for the Detection of Pyrazinamide Resistance and Heteroresistance in Mycobacterium tuberculosis](#)**

MG Whitfield, DM Engelthaler, C Allender, M Folkerts... - Journal of Clinical Microbiology, 2021

## **SDI 2472-2491\_21: Articles Alert | Tuberculosis**

**1. [Immune Correlates of Non-Necrotic and Necrotic Granulomas in Pulmonary Tuberculosis: A Pilot Study](#)**

R Kumar, S Subbian - Journal of Respiration, 2021

**2. [Association between serum PGE2 levels and degree of acid-fast bacilli positivity in sputum of pulmonary tuberculosis patients](#)**

HW Setiawan, R Yudhawati, I Syafaah - Annals of Medicine and Surgery, 2021

**3. [Antiviral Therapy with Entecavir following Antituberculosis Therapy Alleviates Liver Injury and Restores Innate Immunity in Tuberculosis Patients Coinfected with ...](#)**

X Huang, X Zheng, C Shen - Evidence-Based Complementary and Alternative ..., 2021

**4. Selenium donor restricts the intracellular growth of Mycobacterium tuberculosis through the induction of c-Jun-mediated both canonical autophagy and LC3 ...**

W Chen, Z Liu, Y Zheng, B Wei, J Shi, B Shao, D Wang - Microbial Pathogenesis, 2021

**5. Massive Cerebral Air Embolism Causing Stroke Secondary to Pulmonary Tuberculosis**

A Bouaggad, M Moussaoui, O Abassi, S Hassen... - Indian Journal of Critical ..., 2021

**6. Diagnostic accuracy of adenosine deaminase for pleural tuberculosis in a low prevalence setting: A machine learning approach within a 7-year prospective multi ...**

A Garcia-Zamalloa, D Vicente, R Arnay, A Arrospide... - PloS one, 2021

**7. IL-4i1 regulates immune protection during Mycobacterium tuberculosis infection**

L Hlaka, M Ozturk, JE Chia, SS Jones, S Pillay... - The Journal of Infectious ..., 2021

**8. Profiling of potential pulmonary fungal pathogens and the prevalence of the association between pulmonary tuberculosis and potential fungal pathogens in presumptive tuberculosis patients referred to Saint Peter's Specialized Tuberculosis Referral Hospital, Addis Ababa, Ethiopia**

A Bitew, S Bati - SAGE Open Medicine, 2021

**9. Tuberculosis infection control measures in healthcare facilities in Moyen-Ogooué Province, Gabon**

A Vigneschow, BR Adegbite, JR Edoa, A Alabi... - BMC Health Services ..., 2021

**10. Detection of pulmonary tuberculosis in children using the Xpert MTB/RIF Ultra assay on sputum: a multicenter study**

X Peng, Q Liao, M Fang, Y Zhu, Y Shi, S Quan, Y Wang... - European Journal of Clinical ..., 2021

**11. The pipeline of new molecules and regimens against drug-resistant tuberculosis**

TA Black, UK Buchwald - Journal of Clinical Tuberculosis and Other ..., 2021

12. [A cognitive approach to endometrial tuberculosis identification using hierarchical deep fusion method](#)

V Garg, A Sahoo, V Saxena - Soft Computing, 2021

13. [Patient and healthcare delays in critical and non-critical pulmonary tuberculosis incidence areas in Portugal: are there differences?](#)

JA Santos, P Soares, A Leite, R Duarte, C Nunes - Public Health, 2021

14. [Correlation of gyr Mutations with the Minimum Inhibitory Concentrations of Fluoroquinolones among Multidrug-Resistant Mycobacterium tuberculosis Isolates in Bangladesh](#)

MKM Uddin, M Ather, R Nasrin, T Rahman, ASM Islam... - Pathogens, 2021

15. [Socio-Economic Position as Risk Factor of Childhood Tuberculosis](#)

DWSR Wardani, EP Wahono - E3S Web of Conferences, 2021

16. [Addressing constraints to informal providers' involvement in tuberculosis control: a qualitative study of patent medicine dealers and tuberculosis programme managers](#)

CK Onah, BN Azuogu, EN Ossai, AP Agu, VC Azuogu... - Global Health Research and ..., 2021

17. [Identification of diphenyl furan derivative via high throughput and computational studies as ArgA inhibitor of Mycobacterium tuberculosis](#)

H Khurana, M Srivastava, D Chaudhary, TP Gosain... - International Journal of ..., 2021

18. [Efficacy of integrating short-course chemotherapy with Chinese herbs to treat multi-drug resistant pulmonary tuberculosis in China: a study protocol](#)

SX Zhang, L Qiu, C Li, W Zhou, LM Tian, HY Zhang... - Infectious Diseases of ..., 2021

19. [Primary tonsillar tuberculosis in a pediatric patient: Case report and literature review](#)

SM Moisa, I Miron, A Adam-Raileanu, VV Lupu, A Lupu... - Medicine, 2021

20. [Wastewater-Based Surveillance of Antibiotic Resistance Genes Associated with Tuberculosis Treatment Regimen in KwaZulu Natal, South Africa](#)

HN Mtetwa, ID Amoah, S Kumari, F Bux, P Reddy - Antibiotics, 2021

21. [A common approach for fighting tuberculosis and leprosy: controlling endoplasmic reticulum stress in myeloid-derived suppressor cells](#)

N Kumar, N Khan, D Cleveland, JD Geiger - Immunotherapy, 2021

22. [Extrapulmonary tuberculosis in patients with RET fusion-positive non-small cell lung cancer treated with pralsetinib: A Korean single-centre compassionate use ...](#)

YP Lee, BH Jeong, Y Eun, CI Kang, S Park, HA Jung... - European Journal of Cancer, 2021

23. [Analysis on Drug-Resistance-Associated Mutations among Multidrug-Resistant Mycobacterium tuberculosis Isolates in China](#)

H Jia, Y Xu, Z Sun - Antibiotics, 2021

24. [Place of Laparoscopy in Peritoneal Tuberculosis](#)

W Maamatou, A Jabloun, A Daib, L Jarray... - ... of Laparoendoscopic & ..., 2021

25. [Inhibition of the PERK/TXNIP/NLRP3 Axis by Baicalin Reduces NLRP3 Inflammasome-Mediated Pyroptosis in Macrophages Infected with Mycobacterium tuberculosis](#)

Y Fu, J Shen, Y Li, F Liu, B Ning, Y Zheng, X Jiang - Mediators of Inflammation, 2021

## **SDI 2492-2511\_21: Articles Alert | Tuberculosis**

### **1. [Endobronchial Tuberculosis Simulating Acute Foreign Body Inhalation: A Case Report](#)**

Benhoumad, O Oulghoul, S Rochd, Y Rochdi, A Raji - Indian Journal of ..., 2021

2. [Tuberculosis \(TB\) Silent Killer, Challenges and Strategies to Manage Tuberculosis during COVID-19 Pandemic: A Review](#)

AA Wani, R Kait - Saudi J Med Pharm Sci, 2021

3. [305 Unravelling the role of CD4+ and CD8+ T cells in pembrolizumab induced mycobacterium tuberculosis granuloma formation in nasopharyngeal carcinoma](#)

TYD Hung, NW Kam, VHF Lee - Journal for Immunotherapy of Cancer, 2021

4. [Mycobacterium Tuberculosis and Avium Complex In-Vestigation among Malaysian Free-Ranging Wild Boar and Wild Macaques at Wildlife-Livestock-Human In ...](#)

YM Lekko, A Che-Amat, PT Ooi, S Omar... - Animals, 2021

5. [Tag: video: VATS decortication for Tuberculosis \(In this post, we present a new video by Turkish thoracic surgeon, Dr.Cagatav Tezel on VATS decortication for tuberculosis\)](#)

CH Chen

6. [Additional info \(URINE TROUBLE: GENITOURINARY TUBERCULOSIS AND SUBSEQUENT DRESS SYNDROM\)](#)

**M Czapka, S Shukla, M Slosar-Cheah**

7. [Human Immunodeficiency Virus among Patients Attending ART Clinic, Ethiopia](#)

C Bereda - International Journal of Collaborative Research on ..., 2021

8. [Renal Histo-Pathological Changes On Autopsy In Pregnancy Related Deaths](#)

P Khare, R Gupta, AB RajaniAnand, Z Chaurasia - Int J Forensic Sci Pathol, 2021

9. [For Future Journalist Edward Gilbert Abbott, Ether Day Was No "Puff Piece"](#)

ML Coleman, JS Moon - Anesthesiology, 2021

10. [Fungal Pleuritis Diagnosed From Pleural Biopsy via Bronchopleural Fistula](#)

MS Shelby McNeilly, AFMD OMS IV

**11. Lifetime burden of disease due to incident tuberculosis: a global reappraisal including post-tuberculosis sequelae**

NA Menzies, M Quaife, BW Allwood, AL Byrne... - The Lancet Global Health, 2021

**12. Role of small private drug shops in malaria and tuberculosis programs in Myanmar: a cross-sectional study**

MM Thet, MNT Khaing, SS Zin, S Oo, YK Aung... - Journal of Pharmaceutical ..., 2021

**13. Cytomegalovirus acquisition in infancy and the risk of tuberculosis disease in childhood: a longitudinal birth cohort study in Cape Town, South Africa**

L Martinez, MP Nicol, CJ Wedderburn, A Stadler... - The Lancet Global Health, 2021

**14. Toxin secretion and trafficking by Mycobacterium tuberculosis**

D Pajuelo, U Tak, L Zhang, O Danilchanka, AD Tischler... - Nature Communications, 2021

**15. Structure of the ATP synthase from Mycobacterium smegmatis provides targets for treating tuberculosis**

MG Montgomery, J Petri, TE Spikes, JE Walker - ... of the National Academy of Sciences, 2021

**16. Characterisation of a putative M23-domain containing protein in Mycobacterium tuberculosis**

AO Papadopoulos, C Ealand, BG Gordhan... - PloS one, 2021

**17. Signature required: The transcriptional response to tuberculosis**

CE Barry, KD Mayer-Barber - The Journal of experimental medicine, 2021

**18. Decreased methylenetetrahydrofolate reductase activity leads to increased sensitivity to para-aminosalicylic acid in Mycobacterium tuberculosis**

J Yu, J Xu, S Yang, M Gao, H Si, D Xiong, J Gu, Z Wu... - Antimicrobial Agents and ..., 2021

**19. Inhibitors of Mycobacterium tuberculosis EgtD target both substrate binding sites to limit hercynine production**

TD Sudasinghe, MT Banco, DR Ronning - Scientific Reports, 2021



## 20. Updates in Pediatric Tuberculosis in International Settings

S Shakoor, F Mir - Pediatric Clinics, 2022

# SDI 2512-2531\_21: Articles Alert | Tuberculosis

### 1. Tuberculosis screening among ambulatory people living with HIV: a systematic review and individual participant data meta-analysis

A Dhana, Y Hamada, AP Kengne, AD Kerkhoff... - The Lancet Infectious ..., 2021

### 2. Comparison of carbohydrate ABC importers from Mycobacterium tuberculosis

LI De la Torre, JG Vergara Meza, S Cabarca... - BMC genomics, 2021

### 3. Consequential drug combinations for tuberculosis treatments

CJ Pyle, DM Tobin - Cell Systems, 2021

### 4. The impact of active case finding on transmission dynamics of tuberculosis: A modelling study

DV Ayabina, MGM Gomes, NV Nguyen, L Vo... - PloS one, 2021

### 5. Revised nomenclature and SNP barcode for Mycobacterium tuberculosis lineage 2

Y Thawornwattana, S Mahasirimongkol, H Yanai... - Microbial Genomics, 2021

### 6. Prevalence of Tuberculosis and Mental Disorders Comorbidity: A Systematic Review and Meta-analysis

GJ Njie, A Khan - Journal of Immigrant and Minority Health, 2021

**7. Association of protein consumption and energy intake on sarcopenia in tuberculosis survivors**

MK Shin, JY Choi, SY Kim, EY Kim, SH Lee, KS Chung... - Therapeutic Advances in ..., 2021

**8. Electrochemical Detection of Single-Nucleotide Polymorphism Associated with Rifampicin Resistance in Mycobacterium tuberculosis Using Solid-Phase Primer ...**

M Ortiz, M Jauset-Rubio, V Skouridou, D Machado... - ACS sensors, 2021

**9. Detecting Mycobacterium Tuberculosis by nitrofuranyl calanolide-trehalose probe based on nitroreductase Rv2466c**

G Liu, X Li, XQ Hong, PF Geng, S Zhaogang - Chemical Communications, 2021

**10. Association of tuberculosis treatment with pregnancy complications: A protocol for systematic review and meta-analysis**

MA Kgathi, WN Phoswa - Medicine, 2021

**11. Factores asociados a la coinfección por tuberculosis y virus de inmunodeficiencia humana en un hospital peruano**

CE Chiong, DM Quiñones-Laveriano, F Llanos-Tejada... - Revista Cubana de ..., 2021

**12. A Study of Relationships among the Knowledge of Tuberculosis, Family Support, and Medication in Tuberculosis Patients**

YR Jang, MA Lee - 한국간호과학회 학술대회, 2021

**13. Cutis Tuberculosis**

YI Rusdi, RH Hardianti, LW Alfian, C Nabila... - ... : International Journal of ..., 2021

**14. Epidemiological characteristics of pulmonary tuberculosis in Xinjiang, 2015–2019**

Z Abudula, W Xinqi, Z Zhen, W Le, W Senlu... - 疾病监测, 2021

**15. Breast tuberculosis: A forgotten diagnosis**

M Elouennass - 2021

**16. Morphological Profile Of Mycobacterium Tuberculosis Bacteria In Positive Acid-Fast Bacillus (Afb) Patients During 4 Months Of Treatment**

SYD WIDIYANTO, T BUDIHARJO, K AP - NVEO-NATURAL VOLATILES & ..., 2021

**17. In silico drug discovery strategies identified ADMET properties of decoquinatate RMB041 and its potential drug targets against Mycobacterium Tuberculosis**

KE Knoll, MM van der Walt - 2021

**18. Efficacy of GeneXpert in Diagnosing Smear Negative Pulmonary Tuberculosis and Comparison to Culture**

MK Munir, I Ali, AS Sheikh, A Malik, A Hanif, S Rehman...

**19. A Case of Idiopathic Hypertrophic Pachymeningitis with High Adenosine Deaminase in Cerebrospinal Fluid**

T Kitagawa, T Komatsu, S Omoto, T Sato, H Takatsu... - Clinical Neurology and ..., 2021

**20. Protective Effect of Blumera lacera in Rifampicin Induced Hepatotoxicity in Rats**

DS Shirode, B LGP Ram, G Jain, A Singh - 2021

## **SDI 2533-2353\_21: Articles Alert | Tuberculosis**

**1. Robust IgM responses following intravenous vaccination with Bacille Calmette–Guérin associate with prevention of Mycobacterium tuberculosis infection in macaques**

EB Irvine, A O'Neil, PA Darrah, S Shin, A Choudhary... - Nature Immunology, 2021

**2. Estimating the population at high risk for tuberculosis through household exposure in high-incidence countries: a model-based analysis**

JM Ross, Y Xie, Y Wang, JK Collins, C Horst, JB Doody... - EClinicalMedicine, 2021

**3. The whole-genome sequencing in predicting Mycobacterium tuberculosis drug susceptibility and resistance in Papua, Indonesia**

Y Maladan, H Krismawati, T Wahyuni, R Tanjung... - BMC genomics, 2021

**4. Differentiating transient from persistent diabetic range hyperglycemia in a cohort of people completing tuberculosis treatment in Dhaka, Bangladesh**

YMA Alkabab, S Biswas, S Ahmed, K Paul... - PloS one, 2021

**5. Distribution patterns of drug resistance Mycobacterium tuberculosis among HIV negative and positive tuberculosis patients in Western Kenya**

MO Ogwang, M Imbuga, C Ngugi, L Mutharia... - BMC Infectious Diseases, 2021

**6. Key factors influencing multidrug-resistant tuberculosis in patients under anti-tuberculosis treatment in two centres in Burundi: a mixed effect modelling study**

A Iradukunda, GP Ndayishimiye, D Sinarinzi... - BMC Public Health, 2021

**7. Previous pulmonary tuberculosis enhances the risk of lung cancer: systematic reviews and meta-analysis**

H Abdeahad, M Salehi, A Yaghoubi, AH Aalami... - Infectious Diseases, 2021

**8. Tuberculosis epidemiological trend in Sousse, Tunisia during twenty years (2000–2019)**

S Melki, G Mizouni, D Chebil, A Ben Abdelaziz - Libyan Journal of Medicine, 2022

**9. Knowledge and transmission risk awareness of tuberculosis among the pilgrims attending a religious mass gathering in India: a cross-sectional study**

T Bäckdahl, M Sharma - BMC Public Health, 2021

**10. Clinical relevance of rifampicin-moxifloxacin interaction in isoniazid resistant/intolerant tuberculosis patients.**

VB Vogensen, MS Bolhuis, MGG Sturkenboom... - Antimicrobial Agents and ..., 2021

**11. Biofilms in tuberculosis: What have we learnt in the past decade and what is still unexplored?**

Joanna Bacon, Simon J. Waddel, Mario Alberto Flores-Valdez

**12. Oxidative damage and delayed replication allow viable Mycobacterium tuberculosis to go undetected**

K Saito, S Mishra, T Warriar, N Cicchetti, J Mi, E Weber... - Science Translational ..., 2021

**13. Ending tuberculosis in China: health system challenges**

Q Long, L Guo, W Jiang, S Huan, S Tang - The Lancet Public Health, 2021

**14. Dismal global tuberculosis situation due to COVID-19**

S Bagcchi - The Lancet Infectious Diseases, 2021

**15. Impact of socio-economic factors on Tuberculosis treatment outcomes in north-eastern Uganda: a mixed methods study**

J Nidoi, W Muttamba, S Walusimbi, JF Imoko... - BMC Public Health, 2021

**16. High Glucose Concentrations Impair the Processing and Presentation of Mycobacterium tuberculosis Antigens In Vitro**

G Monroy-Mérida, S Guzmán-Beltrán, F Hernández... - Biomolecules, 2021

**17. An optimized fuzzy ensemble of convolutional neural networks for detecting tuberculosis from Chest X-ray images**

S Dey, R Roychoudhury, S Malakar, R Sarkar - Applied Soft Computing, 2021

**18. Randomized trial of Metformin with Anti-tuberculosis drugs For Early Sputum Conversion in Adults with Pulmonary Tuberculosis**

C Padmapriyadarsini, M Mamulwar, A Mohan... - Clinical Infectious Diseases, 2021

**19. A Rapid Drug Resistance Genotyping Workflow for Mycobacterium tuberculosis, Using Targeted Isothermal Amplification and Nanopore Sequencing**

HD Gliddon, D Frampton, V Munsamy, J Heaney... - Microbiology Spectrum, 2021

**20. Targeting screening and treatment for latent tuberculosis infection towards asylum seekers from high-incidence countries—a model-based cost-effectiveness analysis**

FM Marx, B Hauer, NA Menzies, W Haas, N Perumal - BMC Public Health, 2021

**21. Evaluation of whole-genome sequence data analysis approaches for short- and long-read sequencing of Mycobacterium tuberculosis**

N Peker, L Schuele, N Kok, M Terrazos... - Microbial genomics, 2021

