

Imperial College
London

*Update on significant recent research
papers*

James Seddon

Childhood Tuberculosis Sub-Group
26th October 2016

Article types

Clinical Trial
Review
Customize ...

Text availability

Abstract
Free full text
Full text

PubMed Commons

Reader comments
Trending articles

Publication dates

5 years
10 years
✓ From 2014/12/01 to 2015/11/30

Species
Humans
Other Animals

Clear all

Show additional filters

Summary 20 per page Sort by Most Recent

Send to:

Filters: [Manage Filters](#)

Search results

Items: 1 to 20 of 837

<< First < Prev Page 1 of 42 Next > Last >>

Filters activated: Publication date from 2014/12/01 to 2015/11/30. [Clear all](#) to show 30396 items.

[Prevalence, incidence, and associated risk factors of tuberculosis in children with HIV living in the UK and Ireland \(CHIPS\): a cohort study.](#)

1. Turkova A, Chappell E, Judd A, Goodall RL, Welch SB, Foster C, Riordan A, Shingadia D, Shackley F, Doerholt K, Gibb DM, Collins IJ; Collaborative HIV Paediatric Study (CHIPS) Steering Committee. *Lancet HIV*. 2015 Dec;2(12):e530-e539. doi: 10.1016/S2352-3018(15)00200-3. Epub 2015 Oct 29. PMID: 26614967
[Similar articles](#)

[HIV and tuberculosis in children: biology meets epidemiology.](#)

2. Seddon JA, Kampmann B. *Lancet HIV*. 2015 Dec;2(12):e506-e507. doi: 10.1016/S2352-3018(15)00209-X. Epub 2015 Oct 29. No abstract available. PMID: 26614962
[Similar articles](#)

[Tuberculous liver abscess in an immunocompetent child with pulmonary tuberculosis as a cause of fever of unknown origin.](#)

3. Çalışkan B, Somer A, Hatipoğlu N, Keser M, Yekeler E, Gün F, Güllüoğlu M, Salman T, Salman N. *Turk J Pediatr*. 2015 Jan-Feb;57(1):85-9.

New feature

Try the new Display Settings option - [Sort by Relevance](#)

Results by year



Titles with your search terms

Genetic studies of body mass index yield new insights for obesity biology. [Nature. 2015]

Timing and dose of BCG vaccination in infants as assessed by postvaccir [Indian Pediatr. 1995]

Global, regional, and national incidence and mortality for HIV, tuberculosis, and [Lancet. 2014]

See more...

NCBI Resources How To Sign in to NCBI

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed Search

Create RSS Create alert Advanced Help

NCBI will be testing https on public web servers from 1:00-4:00 PM EDT (17:00-20:00 UTC) on Monday, October 24. You may experience problems with NCBI services, especially file downloads, during that time. Please plan accordingly. [Read more.](#)

Article types: Clinical Trial, Review, Customize ...
Text availability: Abstract, Free full text, Full text
PubMed Commons: Reader comments, Trending articles
Publication dates: 5 years, 10 years, From 2015/10/24 to 2016/10/23

Format: Summary Sort by: Most Recent Send to Filters: [Manage Filters](#)

Search results
Items: 1 to 20 of 883

<< First < Prev Page 1 of 45 Next > Last >>

Filters activated: Publication date from 2015/10/24 to 2016/10/23. [Clear all](#) to show 31471 items.

- Wildcard search for 'child*' used only the first 600 variations.** Lengthen the root word to search for all endings.
- Wildcard search for 'tuberc*' used only the first 600 variations.** Lengthen the root word to search for all endings.

[Screening and Development of New Inhibitors of FtsZ from M. Tuberculosis.](#)

1. Mathew B, Hobrath JV, Ross L, Connelly MC, Lofton H, Rajagopalan M, Guy RK, Reynolds RC. PLoS One. 2016 Oct 21;11(10):e0164100. doi: 10.1371/journal.pone.0164100. PMID: 27768711

Results by year

Download CSV

Titles with your search terms

Inflammatory Myofibroblastic Tumor of the Heart in the Infant: Re: [J Pediatr Hematol Oncol. 2016]

Diagnostic Accuracy of the Xpert MTB/RIF Assay for Extrapulmo [Pediatr Infect Dis J. 2016]

My biases



- 883 studies identified on PubMed
- On review of title selected 71 that I thought looked interesting
- Review of abstracts brought down to 35
- Few basic science studies as rarely paediatric specific
- Reflects my own interests and biases
- Really hard to decide as so many awesome articles
- PLEASE forgive me if I have not included your paper!!!

A blood RNA signature for tuberculosis disease risk: a prospective cohort study

Daniel E Zak, Adam Penn-Nicholson*, Thomas J Scriba*, Ethan Thompson†, Sara Suliman†, Lynn M Amon, Hassan Mahomed, Mzwandile Erasmus, Wendy Whatney, Gregory D Hussey, Deborah Abrahams, Fazlin Kafaar, Tony Hawkrigde, Suzanne Verver, E Jane Hughes, Martin Ota, Jayne Sutherland, Rawleigh Howe, Hazel M Dockrell, W Henry Boom, Bonnie Thiel, Tom H M Ottenhoff, Harriet Mayanja-Kizza, Amelia C Crampin, Katrina Downing, Mark Hatherill, Joe Valvo, Smitha Shankar, Shreemanta K Parida, Stefan H E Kaufmann, Gerhard Walzl, Alan Aderem, Willem A Hanekom, for the ACS and G6-74 cohort study groups‡*

ARTICLE

Received 21 Dec 2015 | Accepted 22 Feb 2016 | Published 12 Apr 2016 | Updated 6 May 2016

DOI: [10.1038/ncomms11290](https://doi.org/10.1038/ncomms11290)

OPEN

T-cell activation is an immune correlate of risk in BCG vaccinated infants

Helen A. Fletcher^{1,2}, Margaret A. Snowden³, Bernard Landry³, Wasima Rida⁴, Iman Satti¹, Stephanie A. Harris¹, Magali Matsumiya¹, Rachel Tanner¹, Matthew K. O'Shea¹, Veerabadrhan Dheenadhayalan³, Leah Bogardus³, Lisa Stockdale^{1,2}, Leanne Marsay⁵, Agnieszka Chomka⁶, Rachel Harrington-Kandt¹, Zita-Rose Manjaly-Thomas¹, Vivek Naranbhai⁷, Elena Stylianou¹, Fatoumatta Darboe⁸, Adam Penn-Nicholson⁸, Elisa Nemes⁸, Mark Hatherill⁸, Gregory Hussey⁸, Hassan Mahomed⁸, Michele Tameris⁸, J Bruce McClain³, Thomas G. Evans³, Willem A. Hanekom⁸, Thomas J. Scriba⁸ & Helen McShane¹



World TB Day

RESEARCH ARTICLE

Open Access

The potential impact of BCG vaccine supply shortages on global paediatric tuberculosis mortality



Rebecca C. Harris^{1*} , Peter J. Dodd² and Richard G. White¹

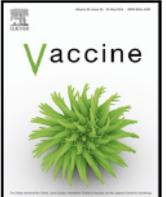


ELSEVIER

Contents lists available at [ScienceDirect](#)

Vaccine

journal homepage: www.elsevier.com/locate/vaccine



Delayed BCG immunization does not alter antibody responses to EPI vaccines in HIV-exposed and -unexposed South African infants



Anneke C. Hesselning^{a,*}, Anna K. Blakney^{b,c}, Christine E. Jones^{b,d,e}, Monika M. Esser^f, Corena de Beer^g, Louise Kuhn^h, Mark F. Cotton^{i,1}, Heather B. Jaspán^{b,j,1}

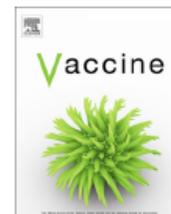


ELSEVIER

Contents lists available at [ScienceDirect](#)

Vaccine

journal homepage: www.elsevier.com/locate/vaccine



Comparable CD4 and CD8 T cell responses and cytokine release after at-birth and delayed BCG immunisation in infants born in Australia



Nicole Ritz^{a,b,c,d,*}, Dan Casalaz^e, Susan Donath^f, Marc Tebruegge^{a,b,c,g}, Binita Dutta^c, Tom G. Connell^{a,b,c}, Roy Robins-Browne^{a,b,c,h}, Warwick J. Brittonⁱ, Willem A. Hanekom^j, Nigel Curtis^{a,b,c}

Usher *et al. Archives of Public Health* (2016) 74:28
DOI 10.1186/s13690-016-0141-0

Archives of Public Health

RESEARCH

Open Access

Evaluating the neonatal BCG vaccination programme in Ireland



Cara Usher^{1*}, Roisin Adams¹, Susanne Schmitz^{1,2}, Jennifer Kieran^{1,2}, Darina O'Flanagan^{4,5}, Joan O'Donnell^{4,5}, Kevin Connolly^{4,5}, Brenda Corcoran^{5,6}, Karina Butler^{5,7}, Michael Barry^{1,2} and Cathal Walsh^{1,3}



OPEN ACCESS

BCG vaccination at birth and early childhood hospitalisation: a randomised clinical multicentre trial

Lone Graff Stensballe,¹ Signe Sørup,² Peter Aaby,³ Christine Stabell Benn,^{4,5} Gorm Greisen,⁶ Dorthe Lisbeth Jeppesen,⁷ Nina Marie Birk,⁷ Jesper Kjærgaard,^{8,9} Thomas Nørrelykke Nissen,⁷ Gitte Thybo Pihl,^{10,11} Lisbeth Marianne Thøstesen,^{10,11} Poul-Erik Kofoed,^{10,11} Ole Pryds,⁷ Henrik Ravn^{5,12}



International Journal of Epidemiology, 2016, 1–11

doi: 10.1093/ije/dyw120

Original article



Original article

Vaccinations against smallpox and tuberculosis are associated with better long-term survival: a Danish case-cohort study 1971–2010

Andreas Rieckmann,^{1,3,*} Marie Villumsen,¹ Signe Sørup,¹ Line Klingen Haugaard,^{4,5} Henrik Ravn,^{1,3} Adam Roth,^{6,7} Jennifer Lyn Baker,^{4,5} Christine Stabell Benn^{1,3} and Peter Aaby^{1,2,3}

A Multicenter Study on the Utility and Safety of EBUS-TBNA and EUS-B-FNA in Children

**Sahajal Dhooria, MD, DM,¹ Karan Madan, MD, DM,² Vallandramam Pattabhiraman, MD,³
Inderpaul Singh Sehgal, MD, DM,¹ Ravindra Mehta, MD,⁴ Gella Vishwanath, MD, DM,⁵
Arjun Srinivasan, MD, DM,³ Mahadevan Sivaramakrishnan, MD,³ Anant Mohan, MD,²
Joseph L. Mathew, MD,⁶ Sushil K. Kabra, MD,⁷ Randeep Guleria, MD, DM,²
Digambar Behera, MD,¹ and Ritesh Agarwal, MD, DM^{1*}**

The Pediatric Infectious Disease Journal Publish Ahead of Print

DOI: 10.1097/INF.0000000000001342

Cost-Effectiveness of Diagnostic Algorithms for Tuberculosis in Children Less than 5

Years of Age

Amanda K. Debes¹, PhD, Robert H. Gilman¹, MD, Carolyn Onyango-Makumbi²,
MBCbB, MS, Andrea Ruff¹, MD, Richard Oberhelman³, MD, and David W. Dowdy⁴,
MD, PhD

RESEARCH ARTICLE

Open Access



Performance of interferon- γ release assays in the diagnosis of confirmed active tuberculosis in immunocompetent children: a new systematic review and meta-analysis

Patrizia Laurenti, Matteo Raponi*, Chiara de Waure, Marta Marino, Walter Ricciardi and Gianfranco Damiani

Clinical Infectious Diseases

MAJOR ARTICLE

HIV/AIDS



Performance of Xpert MTB/RIF and Alternative Specimen Collection Methods for the Diagnosis of Tuberculosis in HIV-Infected Children

Olivier Marcy,^{1,2} Vibol Ung,^{3,4} Sophie Goyet,¹ Laurence Borand,¹ Philippe Msellati,⁵ Mathurin Tejiokem,⁶ Ngoc Lan Nguyen Thi,⁷ Boubacar Nacro,⁸ Sokleaph Cheng,⁹ Sara Eyangoh,¹⁰ Thu Hang Pham,⁷ Abdoul-Salam Ouedraogo,⁸ Arnaud Tarantola,¹ Sylvain Godreuil,^{11,12} Stéphane Blanche,¹³ and Christophe Delacourt¹⁴; for the PAANTHER study group

Dilemma of managing asymptomatic children referred with 'culture-confirmed' drug-resistant tuberculosis

Marian Loveday,¹ Babu Sunkari,² Ben J Marais,³ Iqbal Master,² James C M Brust⁴

The Effect of Deworming on Tests of Tuberculosis Infection in Children With Recent Tuberculosis Exposure

A Randomized Controlled Trial

Marieke M. Van der Zalm, MD, PhD, Nelda van Soelen, MD, MPH, MBA,* Anna M. Mandalakas, MD, PhD,†
Marc Jacobsen, PhD,‡ Anne K. Detjen, MD,§ Florian M. Marx, MD, MSc,¶|| Harleen M. S. Grewal, MD, PhD,**††
Mark F. Cotton, MD, PhD,‡‡ Gerhard Walzl, MD, PhD,§§ and Anneke C. Hesselink, MD, PhD**

INT J TUBERC LUNG DIS 19(12):1428–1434
© 2015 The Union
<http://dx.doi.org/10.5588/ijtld.15.0201>

An evaluation of chest X-ray in the context of community-based screening of child tuberculosis contacts

R. Triasih,*† C. Robertson,‡ J. de Campo,§ T. Duke,† L. Choridah,¶|| S. M. Graham†#

Implementation of isoniazid preventive therapy in children aged under 5 years exposed to tuberculosis in Benin

M. Adjobimey,* E. Masserey,[†] C. Adjonou,* G. Gbénagnon,[‡] V. Schwoebel,[§] S. Anagonou,*
J-P. Zellweger[¶]

SAFETY AND ADHERENCE FOR 12 WEEKLY DOSES OF ISONIAZID AND RIFAPENTINE FOR PEDIATRIC TUBERCULOSIS INFECTION

Andrea T. Cruz, MD, MPH, and Jeffrey R. Starke, MD

Pharmacokinetics of Rifampin, Isoniazid, Pyrazinamide, and Ethambutol in Infants Dosed According to Revised WHO-Recommended Treatment Guidelines

A. Bekker,^a H. S. Schaaf,^a H. R. Draper,^a L. van der Laan,^a S. Murray,^b L. Wiesner,^c P. R. Donald,^a H. M. McIlleron,^c A. C. Hesselning^a

Low Serum Concentrations of Rifampicin and Pyrazinamide Associated with Poor Treatment Outcomes in Children with Tuberculosis Related to HIV Status

Geetha Ramachandran, PhD, A. K. Hemanth Kumar, PhD,* T. Kannan, MSc, MPhil,† P. K. Bhavani, MB BS,‡
S. Ramesh Kumar, MB BS,‡ N. Poorana Gangadevi, MB BS, PGDPH,‡ V. V. Banurekha, MB BS,‡
V. Sudha, MSc, MPhil,* S. Venkatesh, MSW,* N. Ravichandran, MB BS, MD,§ S. Kalpana, MD,¶
G. Mathevan, MD,|| G. N. Sanjeeva, MD,** Dipti Agarwal, MD,†† and Soumya Swaminathan, MB BS, MD‡*

Isoniazid hair concentrations in children with tuberculosis: a proof of concept study

V. Mave,^{*†} A. Chandanwale,^{*} A. Kinikar,^{*} S. Khadse,^{*} A. Kagal,^{*} N. Gupte,^{*†} N. Suryavanshi,^{*}
S. Nimkar,^{*} H. Koli,^{*} S. Khwaja,^{*} R. Bharadwaj,^{*} S. Joshi,^{*} H. Horng,[‡] L. Z. Benet,[‡]
G. Ramachandran,[§] K. E. Dooley,[†] A. Gupta,^{*†} M. Gandhi[‡]



**Cochrane
Library**

Cochrane Database of Systematic Reviews

Six months therapy for tuberculous meningitis (Review)

Jullien S, Ryan H, Modi M, Bhatia R

Pouplin et al. *BMC Infectious Diseases* (2016) 16:144
DOI 10.1186/s12879-016-1470-x

BMC Infectious Diseases

RESEARCH ARTICLE

Open Access



Naïve-pooled pharmacokinetic analysis of pyrazinamide, isoniazid and rifampicin in plasma and cerebrospinal fluid of Vietnamese children with tuberculous meningitis

Thomas Pouplin^{1,2*}, Nguyen Duc Bang^{3,4†}, Pham Van Toi³, Pham Nguyen Phuong³, Nguyen Huy Dung⁴, Tran Ngoc Duong⁴, Maxine Caws^{2,3,5}, Guy E. Thwaites^{2,3}, Joel Tarning^{1,2} and Jeremy N. Day^{2,3}

Pediatric Tuberculous Meningitis: Model-Based Approach to Determining Optimal Doses of the Anti-Tuberculosis Drugs Rifampin and Levofloxacin for Children

RM Savic¹, R Ruslami², JE Hibma¹, A Hesselning³, G Ramachandran⁴, AR Ganiem², S Swaminathan⁴, H McIlleron⁵, A Gupta⁶, K Thakur⁶, R van Crevel⁷, R Aarnoutse⁷ and KE Dooley⁶

ORIGINAL STUDIES

Linezolid is Associated with Improved Early Outcomes of Childhood Tuberculous Meningitis

Huimin Li, MD, Jie Lu, PhD,*† Jinrong Liu, MD,* Yuhong Zhao, MD,* Xin Ni, MD,*† and Shunying Zhao, MD**

Loss to follow-up among adolescents with tuberculosis in Gaborone, Botswana

L. A. Enane,^{*†‡} E. D. Lowenthal,^{†‡§} T. Arscott-Mills,^{†‡} M. Mathhare,[‡] L. S. Smallcomb,^{*}
B. Kgwaadira,[¶] S. E. Coffin,^{*†} A. P. Steenhoff^{*†‡}

Schmidt *et al. Trials* (2016) 17:177
DOI 10.1186/s13063-016-1291-7

Trials

RESEARCH

Open Access

Engaging adolescents in tuberculosis and clinical trial research through drama



Bey-Marrié Schmidt¹, Amber Abrams^{2,3} and Michele Tameris^{1*}

Global burden of drug-resistant tuberculosis in children: a mathematical modelling study



Peter J Dodd, Charalambos Sismanidis, James A Seddon

Mycobacterium tuberculosis bacteremia in adults and children: a systematic review and meta-analysis

P. B. Pavlinac,* E. M. Lokken,[†] J. L. Walson,*^{†‡§} B. A. Richardson,*[¶] J. A. Crump,[#]
G. C. John-Stewart*^{†‡§}

Kunkel et al. *BMC Infectious Diseases* (2016) 16:282
DOI 10.1186/s12879-016-1617-9

BMC Infectious Diseases

RESEARCH ARTICLE

Open Access

Smear positivity in paediatric and adult tuberculosis: systematic review and meta-analysis



Amber Kunkel^{1,2}, Pia Abel zur Wiesch^{1,3,4}, Ruvandhi R. Nathavitharana⁵, Florian M. Marx^{1,6}, Helen E. Jenkins⁶
and Ted Cohen^{1*}

Prevalence, incidence, and associated risk factors of tuberculosis in children with HIV living in the UK and Ireland (CHIPS): a cohort study

Anna Turkova, Elizabeth Chappell, Ali Judd, Ruth L Goodall, Steven B Welch, Caroline Foster, Andrew Riordan, Delane Shingadia, Fiona Shackley, Katja Doerholt, Diana M Gibb, Intira J Collins, for the Collaborative HIV Paediatric Study (CHIPS) Steering Committee

Crook et al. *BMC Medicine* (2016) 14:50
DOI 10.1186/s12916-016-0593-7



World TB Day

RESEARCH ARTICLE

Open Access



Tuberculosis incidence is high in HIV-infected African children but is reduced by co-trimoxazole and time on antiretroviral therapy

Angela M. Crook^{1*}, Anna Turkova¹, Victor Musiime^{2,3}, Mutsa Bwakura-Dangarembizi⁴, Sabrina Bakeera-Kitaka^{3,5}, Patricia Nahiriya-Ntege⁶, Margaret Thomason¹, Peter Mugenyi², Philippa Musoke^{3,7}, Adeodata Kekitiinwa⁵, Paula Munderi⁶, Kusum Nathoo⁴, Andrew J. Prendergast⁸, A. Sarah Walker¹, Diana M. Gibb¹ and And The ARROW Trial Team

BMC Medicine

Clinical Infectious Diseases

MAJOR ARTICLE



Human Tuberculosis Caused by *Mycobacterium bovis* in the United States, 2006–2013

Colleen Scott,^{1,2} Joseph S. Cavanaugh,² Robert Pratt,³ Benjamin J. Silk,³ Philip LoBue,³ and Patrick K. Moonan²

High Discordance Between Pre-US and Post-US Entry Tuberculosis Test Results Among Immigrant Children

Is it Time to Adopt Interferon Gamma Release Assay for Preentry Tuberculosis Screening?

Phil Lowenthal, MPH, Pennan M. Barry, MD, and Jennifer Flood, MD

Clinical Infectious Diseases

MAJOR ARTICLE



Baseline Predictors of Treatment Outcomes in Children With Multidrug-Resistant Tuberculosis: A Retrospective Cohort Study

Silvia S. Chiang,^{1,2} Jeffrey R. Starke,¹ Ann C. Miller,² Andrea T. Cruz,^{1,3} Hernán Del Castillo,⁴ William José Valdivia,⁵ Gabriela Tunque,⁵ Fanny García,⁵ Carmen Contreras,⁵ Leonid Lecca,⁵ Valentina A. Alarcón,⁶ and Mercedes C. Becerra^{2,5}

Compassionate use of new drugs in children and adolescents with multidrug-resistant and extensively drug-resistant tuberculosis: early experiences and challenges

Conclusions

- Lots of paediatric work being done
- Previously neglected areas finally getting some attention

