

## Research Report

Paediatrics and Child Health: 2015

### Journal Articles (subsidised)

ALHAMUD A, TAYLOR PA, LAUGHTON B, VAN DER MERWE AJW, MEINTJES E. Motion Artifact Reduction in Pediatric Diffusion Tensor Imaging Using Fast Prospective Correction. *Journal of Magnetic Resonance Imaging* 2015; **41**:1353-1364.

ALLWOOD BW, GOLDIN J, SAID-HARTLEY Q, VAN ZYL-SMIT RN, CALLIGARO G, ESMAIL A, BEYERS N, BATEMAN ED. Assessment of previous tuberculosis status using questionnaires, chest X-rays and computed tomography scans. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(12):1435-1440.

ANDERSSON MI, RAJBHANDARI R, KEW MC, VENTO S, PREISER W, HOEPELMAN AIM, THERON GB, COTTON MF, GLEBE D, LESI O, THURSZ M, PETERS M, CHUNG R, WIYSONGE CSU. Mother-to-child transmission of hepatitis B virus in sub-Saharan Africa: time to act. *Lancet Global Health* 2015; **3**:e-358-e359.

ANDRONIKOU S, ACKERMANN C, LAUGHTON B, COTTON MF, TOMAZOS N, SPOTTISWOODE B, MAUFF K, PETTIFOR JM. Corpus callosum thickness on mid-sagittal MRI as a marker of brain volume: a pilot study in children with HIV-related brain disease and controls. *Pediatric Radiology* 2015; **45**:1016-1025.

AZZONI L, BARBOUR R, PAPASAVVAS E, GLENCROSS DK, STEVENS WS, COTTON MF, VIOLARI A, MONTANER LJ. Early ART Results in greater immune reconstitution benefits in HIV-infected infants: working with data missingness in a longitudinal dataset. *PLoS ONE* 2015; **10**(12):e0145320.

BLAKNEY AK, TCHAKOUTE CT, HESSELING AC, KIDZERU EB, JONES CE, PASSMORE JS, SODORA DL, GRAY C, JASPAN HB. Delayed BCG vaccination results in minimal alterations in T cell immunogenicity of acellular pertussis and tetanus immunizations in HIV-exposed infants. *Vaccine* 2015; **33**:4782-4789.

BRINK AJ, COTTON MF, FELDMAN C, FINLAYSON H, FRIEDMAN R, GREEN RJ, HENDSON W, HOCKMAN MH, MAARTENS G, MADHI SA, REUBENSON G, SILVERBAUER EJ, ZIETSMAN IL. Updated recommendations for the management of upper respiratory tract infections in South Africa. *SAMJ South African Medical Journal* 2015; **105**(5):345-352.

CHOTUN BN, NEL EDLR, COTTON MF, PREISER W, ANDERSSON MI. Hepatitis B virus infection in HIV-exposed infants in the Western Cape, South Africa. *Vaccine* 2015; **33**(36):4618-4622.

COTTON MF, HOLGATE SL, NELSON A, RABIE H, WEDDERBURN C, MIROCHNICK M. The last and first frontier – emerging challenges for HIV treatment and prevention in the first week of life with emphasis on premature and low birth weight infants. *Journal of the International Aids Society* 2015; **18**(6):20271.

COTTON MF, MACLOU SN. Comment on: – Adverse Drug Reactions and Clinical Outcomes in Patients Initiated on Antiretroviral Therapy: A Prospective Cohort Study from Ethiopia –. *Drug Safety* 2015; **38**:931.

COTTON MF, RABIE H. Impact of earlier combination antiretroviral therapy on outcomes in children. *Current Opinion in HIV and AIDS* 2015; **10**(1):12-17.

COTTON MF, RABIE H. Maintenance of antiretroviral efficacy in children. *Lancet* 2015; **2**(4):e120-e121.

COTTON MF, RABIE H. Universal children's day - let's improve current interventions to reduce vertical transmission of HIV now. *Journal of the International Aids Society* 2014; **17**:19875.

DANG NA, MOURAO M, KUIJPER S, WALTERS E, JANSSEN H-G, KOLK AHJ. Direct detection of Mycobacterium tuberculosis in sputum using combined solid phase extraction-

gas chromatography-mass spectrometry. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences* 2015; **986-987**:115-122.

DAVIES M-A, FORD N, RABIE H, FATTI G, STINSON K, GIDDY J, TANSER F, TECHNAU K, SAWRY S, ELEY B, WOOD R, MOFENSON LM, KEISER O, BOULLE A. Reducing CD4 Monitoring in Children on Antiretroviral Therapy With Virologic Suppression. *Pediatric Infectious Disease Journal* 2015; **34**:1361-1364.

DAWSON R, DIACON AH, EVERITT D, VAN NIEKERK C, DONALD PR, BURGER DA, SCHALL R, SPIGELMAN M, CONRADIE A, EISENACH K, VENTER A, IVE P, PAGE-SHIPPI L, VARIAVA E, REITHER K, NTINGINYA E, PYM A, VAN GROOTE-BIDLINGMAIER F, MENDEL CM. Efficiency and safety of the combination of moxifloxacin, pretomanid (PA-824), and pyrazinamide during the first 8 weeks of antituberculosis treatment: a phase 2b, open-label, partly randomised trial in patients with drug-susceptible or drug-resistant pulmonary tuberculosis. *Lancet* 2015; **385**(9979):1738-1747.

DIACON AH, DAWSON R, VON GROOTE-BIDLINGMAIER F, SYMONS G, VENTER A, DONALD PR, VAN NIEKERK C, EVERITT D, HUTCHINGS J, BURGER DA, SCHALL R, MENDEL CM. Bacterial Activity of Pyrazinamide and Clofazimine Alone and in Combinations with Pretomanid and Bedaquiline. *American Journal of Respiratory and Critical Care Medicine* 2015; **191**(8):943-953.

DIACON H, DAWSON R, VON GROOTE-BIDLINGMAIER F, SYMONS G, VENTER A, DONALD PR, VAN NIEKERK C, EVERITT D, HUTCHINGS J, BURGER DA, SCHALL R, MENDEL CM. Bactericidal activity of pyrazinamide and clofazimine alone and in combinations with pretomanid and bedaquiline. *American Journal of Respiratory and Critical Care Medicine* 2015; **191**(8):943-953.

DONALD PR, DIACON AH. Para-aminosalicylic acid: the return of an old friend. *Lancet Infectious Diseases* 2015; **3**:1091-1099.

DRAMOWSKI A, COTTON MF, RABIE H, WHITELAW AC. Trends in paediatric bloodstream infections at a South African referral hospital. *BMC Pediatrics* 2015; **15**:33.

DRAMOWSKI A, MADIDE AKM, BEKKER A. Neonatal nosocomial bloodstream infections at a referral hospital in a middle-income country: burden, pathogens, antimicrobial resistance and mortality. *PAEDIATRICS & CHILD HEALTH* 2015; **35**(3):265-272.

DRAMOWSKI A, MARAIS F, GOLIATH C, MEHTAR S. Impact of a quality improvement project to strengthen infection prevention and control training at rural healthcare facilities. *African Journal of Health Professions Education* 2015; **7**(1):73-75.

DRAMOWSKI A, MARAIS F, WILLEMS B, MEHTAR S. Does undergraduate teaching of infection prevention and control adequately equip graduates for medical practice?. *African Journal of Health Professions Education* 2015; **7**(1):105-110.

ENARSON PM, GIE RP, MWANSAMBO CC, CHALIRA AE, LUFESI NN, MAGANGA ER, ENARSON DA, CAMERON NA, GRAHAM SM. Potentially Modifiable Factors Associated with Death of Infants and Children with Severe Pneumonia Routinely Managed in District Hospitals in Malawi. *PLoS ONE* 2015; **10**(8):e0133365.

FEUCHT UD, MEYER A, THOMAS WN, FORSYTH BWC, KRUGER M. Early diagnosis is critical to ensure good outcomes in HIV-infected children: outlining barriers to care. *Aids Care* 2015; **28**(1):32-42.

FISHER RG, SMITH DM, MURRELL B, SLABBERT R, KIRBY BM, COTTON MF, HAUBRICH R, POND SLK, VAN ZYL GU. Next generation sequencing improves detection of drug resistance mutations in infants after PMTCT failure. *Journal of Clinical Virology* 2015; **62**:48-53.

FORD N, SHUBBER Z, MEINTJES G, GRINSZTEJN B, EHOIE S, MILLS EJ, DAVIES M-A, VICTORIA M, PENAZZATO M, NSANZIMANA S, FRIGATI LJ, O'BRIEN D, ELLMAN T, AJOSE O, CALMY A, DOHERTY M. Causes of hospital admission among people living with

HIVworldwide: a systematic review and meta-analysis. *\*\*MISSING JOURNAL\*\** 2015; **2**(10):e438-e444.

FURIN J, MAFUKIDZE A, BRIGDEN G, DU CROS P, GOLIN R, HARAUSZ E, SEDDON JA, USTERO P, GARCIA-PRATS AJ. A bitter pill to swallow: the need for better medications for drug-resistant tuberculosis in children. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(12):S55-S60.

GOUSSARD P, GIE RP, JANSON JT, LE ROUX PJ, KLING S, ANDRONIKOU S, ROSSOUW GJ. Decompression of Enlarged Mediastinal Lymph Nodes Due to Mycobacterium Tuberculosis Causing Severe Airway Obstruction in Children. *Annals of Thoracic Surgery* 2015; **99**(4):1157-1163.

GRAHAM SM, CUEVAS LE, JEAN-PHILIPPE P, BROWNING R, CASENGHI M, DETJEN AK, GNANASHANMUGAM D, HESSELING AC, KAMPMANN B, MANDALAKAS A, MARAIS BJ, SCHITO M, SPIEGEL HML, STARKE JR, WORRELL C, ZAR H. Clinical Case Definitions for Classification of Intrathoracic Tuberculosis in Children: An Update. *Clinical Infectious Diseases* 2015; **61**(S3):S179-87.

GRAHAM SM, GRZEMSKA M, GIE RP. The background and rationale for a new fixed-dose combination for first-line treatment of tuberculosis in children. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(12):S3-S8.

HASSAN H, COTTON MF, RABIE H. Complicated and Protracted Cryptococcal Disease in HIV-infected Children. *Pediatric Infectious Disease Journal* 2015; **34**(1):62-65.

HAYES R, FIDLER S, CORI A, FRASER C, FLOYD S, AYLES H, BEYERS N, EL-SADR W, BOCK PA, HODDINOTT G, HORN LM. HIV Treatment-As-Prevention Research: Taking the Right Road at the Crossroads. *PloS Medicine* 2015; **12**(3):e1001800.

HESSELING AC, JASPAN HB, NENE MN, WALZL G. Immunogenicity of BCG in HIV-exposed and non-exposed infants following routine birth or delayed vaccination. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(4):454-462.

ISMAIL N, SAID HM, PININI Z, OMAR SV, BEYERS N, NAIDOO P. Optimizing Mycobacterial culture in smear-negative, human immunodeficiency virus-infected tuberculosis cases. *PLoS ONE* 2015; **10**(11):e0141851.

JONES CE, HESSELING AC, TENA-COKI NG, SCRIBA T, CHEGOU NN, KIDD M, WILKINSON RJ, KAMPMANN B. The impact of HIV exposure and maternal Mycobacterium tuberculosis infection on infant immune responses to bacille Calmette-Guérin vaccination. *Aids* 2015; **29**(2):155-165.

KAJEE Z, ZÄLLNER EWA. The impact of a diabetes management team on the metabolic control and prevalence of complications in paediatric patients with type 1 diabetes mellitus. *Journal of Endocrinology, Metabolism and Diabetes of South Africa (JEMDSA)* 2015; **20**(1):28-29.

KARRO RS, GOUSSARD P, LOOCK JW, GIE RP. The simple bread teag â€ˆ a menace to society?. *SAMJ South African Medical Journal* 2015; **105**(5):342-344.

KAYIGIRE XAK, FRIEDRICH SO, VAN DER MERWE L, DONALD PR, DIACON AH. Simultaneous staining of sputum smears for acid-fast and lipid containing Mycobacterium tuberculosis can enhance the clinical evaluation of antituberculosis treatments. *Tuberculosis* 2015; **95**:770-779.

KEISER O, BLASER N, DAVIES M-A, WESSA P, ELEY B, MOULTRIE H, RABIE H, TECHNAU K, NDIRANGU J, GARONE D, GIDDY J, GRIMWOOD A, GSPONER T, EGGER M. Growth in Virologically Suppressed HIV-Positive Children on Antiretroviral Therapy. *Pediatric Infectious Disease Journal* 2015; **34**:e254-e259.

KLING S. Advance Directives: Whose will be done?. *Current Allergy & Clinical Immunology* 2015; **28**(1):42-44.

KLING S. Ethical issues in anaphylaxis. *Current Allergy & Clinical Immunology* 2015; **28**(4):313-315.

KLING S. H1N1 influenza (‘swine ‘flu’) in the paediatric ICU in South Africa. *Southern African Journal of Critical Care* 2015; **31**(1):3.

KLING S. Is it ethical to treat one’s family and friends?. *Current Allergy & Clinical Immunology* 2015; **28**(2):118-120.

KLING S. Unhealthy health care behaviour: Whose responsibility?. *Current Allergy & Clinical Immunology* 2015; **28**(3):224-226.

LANGE CM, HUE S, VIOLARI A, COTTON MF, GIBB D, BABIKER A, OTWOMBE K, PANCHIA R, DOBBELS E, JEAN-PHILIPPE P, MCINTYRE JA, PILLAY D, GUPTA RK. Single genome analysis reveals linked, multi-class drug resistance in HIV-1 infected children from the Children with HIV Early Antiretroviral (CHER) study. *JAIDS-Journal of Acquired Immune Deficiency Syndromes* 2015; **69**(2):138-144.

LE DOARE K, ALLEN L, KAMPMANN B, HEATH PT, TAYLOR S, HESSELING AC, GORRINGE A, JONES CE. Anti-Group B Streptococcus antibody in infants born to mothers with human immunodeficiency virus (HIV) infection. *Vaccine* 2015; **33**(5):621-627.

MADHI SA, IZU A, NUNES MC, VIOLARI A, COTTON MF, JEAN-PHILIPPE P, KLUGMAN KP, VON GOTTBURG A, VAN NIEKERK N, ADRIAN PV. Longitudinal study on Streptococcus pneumoniae, Haemophilus influenzae and Staphylococcus aureus nasopharyngeal colonization in HIV-infected and -uninfected infants vaccinated with pneumococcal conjugate vaccine. *Vaccine* 2015; **33**(23):2662-2669.

MANDALAKAS AM, KIRCHNER HL, WALZL G, GIE RP, SCHAAF HS, COTTON MF, GREWAL HMS, HESSELING AC. Optimizing the Detection of Recent Tuberculosis Infection in Children in a High TB-HIV Burden Setting. *American Journal of Respiratory and Critical Care Medicine* 2015; **191**(7):820-830.

MASON S, VAN FURTH AM, MIENIE LJ, ENGELKE UFH, WEVERS RA, SOLOMONS RS, REINECKE CJ. A hypothetical astrocyte-microglia lactate shuttle derived from a 1H NMR metabolomics analysis of cerebrospinal fluid from a cohort of South African children with tuberculous meningitis. *Metabolomics* 2015; **11**:822-837.

MEEHAN S, LEON N, NAIDOO P, JENNINGS K, BURGER R, BEYERS N. Availability and acceptability of HIV counselling and testing services. A qualitative study comparing clients’ experiences of accessing HIV testing at public sector primary health care facilities or non-governmental mobile services in Cape Town, South Africa. *BMC Public Health* 2015; **15**:845.

MOODLEY K, STAUNTON CL, DE ROUBAIX JAM, COTTON MF. HIV Cure Research in South Africa: A preliminary exploration of stakeholder perspectives. *Aids Care* 2015; **13**:1-4.

NACHMAN S, AHMED A, AMANULLAH F, BECERRA C, BOTGROS R, BRIGDEN G, BROWNING R, GARDINER E, HAFNER R, HESSELING AC, HOW C, JEAN-PHILIPPE P, LESSEM E, MAKHENE M, MBELLE N, MARAIS BJ, MCILLERON H, MCNEELY DF, RIGAUD M, SAMSON P, SCHAAF HS. Towards early inclusion of children in tuberculosis drugs trials: a consensus statement. *Lancet Infectious Diseases* 2015; **15**(6):711-720.

NAIDOO P, VAN NIEKERK M, DU TOIT EJO, BEYERS N, LEON N. Pathways to multidrug-resistant tuberculosis diagnosis and treatment initiation: a qualitative comparison of patients’ experiences in the era of rapid molecular diagnostic tests. *BMC Health Services Research* 2015; **15**(1):488.

NEL EDLR, TERBLANCHE AJ. Nutritional support of children with chronic liver disease. *SAMJ South African Medical Journal* 2015; **105**(7):607.

NELSON A, MARITZ J, GIDDY J, FRIGATI LJ, RABIE H, VAN CUTSEM G, MUTSEYEKWA T, JANGE N, BERNHEIMER JM, COTTON MF, COX V. HIV testing and antiretroviral therapy

initiation at birth: Views from a primary care setting in Khayelitsha. *Southern African Journal of HIV Medicine* 2015; **16**(1):1-4.

OSMAN M, SEDDON JA, DUNBAR R, DRAPER HR, LOMBARD C, BEYERS N. The complex relationship between human immunodeficiency virus infection and death in adults being treated for tuberculosis in Cape Town, South Africa. *BMC Public Health* 2015; **15**:556.

PAINTSIL V, DAVID H, KAMBUGU J, RENNER L, KOUYA F, EDEN T, HESSELING PB, MOLYNEUX E, ISRAELS T. The Collaborative Wilms Tumour Africa Project; Baseline evaluation of Wilms tumour treatment and outcome in eight institutes in sub-Saharan Africa. *European Journal of Cancer* 2015; **51**:84-91.

PAYNE H, MKHIZE L, OTWOMBE K, LEWIS J, PANCHIA R, CALLARD R, MORRIS L, BABIKER A, VIOLARI A, COTTON MF, KLEIN NJ, GIBB D. Reactivity of routine HIV antibody tests in children who initiated antiretroviral therapy in early infancy as part of the Children with HIV Early Antiretroviral Therapy (CHER) trial: a retrospective analysis. *Lancet Infectious Diseases* 2015; **803**(809):15-7.

PENAZZATO M, DOMINGUEZ K, COTTON MF, BARLOW-MOSHA L, FORD N. Choice of antiretroviral drugs for postexposure prophylaxis for children: a systematic review. *Clinical Infectious Diseases* 2015; **60**(3):S177-181.

PITCHER RD, LOMBARD CJ, COTTON MF, BENINGFIELD SJ, WORKMAN L, ZAR H. Chest radiographic abnormalities in HIV-infected African children: a longitudinal study. *Thorax* 2015; **70**(9):840-846.

SCHAAF HS, GARCIA-PRATS AJ, DONALD PR. Antituberculosis drugs in children. *Clinical Pharmacology & Therapeutics* 2015; **98**(3):252-265.

SHANAUBE K, BOCK PA. Innovative Strategies for Scale up of Effective Combination HIV Prevention Interventions in Sub-Saharan Africa. *Current HIV/AIDS Reports* 2015; **12**(2):231-237.

SINGH S, SINGH A, PRAJAPATI S, KABRA SK, LODHA R, MUKHERJEE A, SINGH V, HESSELING AC, GREWAL HMS. Xpert MTB/RIF assay can be used on archived gastric aspirate and induced sputum samples for sensitive diagnosis of paediatric tuberculosis. *BMC Microbiology* 2015; **15**:191.

SOLOMONS RS, GOUSSARD P, VISSER DH, MARAIS BJ, GIE RP, SCHOEMAN JF, VAN FURTH AM. Chest radiograph findings in children with tuberculous meningitis. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(2):200-204.

SOLOMONS RS, VISSER DH, DONALD PR, MARAIS BJ, SCHOEMAN JF, VAN FURTH AM. The diagnostic value of cerebrospinal fluid chemistry results in childhood tuberculous meningitis. *Childs Nervous System* 2015; **31**:1335-1340.

SOLOMONS RS, VISSER DH, FRIEDRICH SO, DIACON AH, HOEK KGP, MARAIS BJ, SCHOEMAN JF, VAN FURTH AM. Improved diagnosis of childhood tuberculous meningitis using more than one nucleic acid amplification test. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(1):74-80.

STEFAN DC, STONES DK, WAINWRIGHT RD, KRUGER M, DAVIDSON A, POOLE J, HADLEY GP, FORMAN D, COLOMBET M, STELIAROVA-FOUCHER E. Childhood cancer incidence in South Africa, 1987 - 2007. *SAMJ South African Medical Journal* 2015; **105**(11):939-947.

SY SKB, DE KOCK L, DIACON AH, WERELY CJ, XIA H, ROSENKRANZ B, VAN DER MERWE L, DONALD PR. N-Acetyltransferase genotypes and the pharmacokinetics and tolerability of para-aminosalicylic acid in patients with drug-resistant pulmonary tuberculosis. *Antimicrobial Agents and Chemotherapy* 2015; **59**(7):4129-4138.

SY SKB, MALMBERG R, MATSUSHIMA A, ASIN-PRIETO E, ROSENKRANZ B, COTTON MF, DERENDORF HARTMUT, INNES SEV. Effect of reducing the paediatric stavudine dose

by half: A physiologically-based pharmacokinetic model. *International Journal of Antimicrobial Agents* 2015; **45**:413-419.

TANEJA R, GARCIA-PRATS AJ, MAHESHWARI HK. Paediatric formulations of second-line anti-tuberculosis medications: challenges and considerations. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(12):S61-S68.

TCHAKOUTE CT, HESSELING AC, BLAKNEY AK, JASPAN HB. Reply to Thysen et al. *Journal of Infectious Diseases* 2015; **212**:1342-1343.

THEE S, GARCIA-PRATS AJ, DONALD PR, HESSELING AC, SCHAAF HS. Fluoroquinolones for the treatment of tuberculosis in children. *Tuberculosis* 2015; **95**(3):229-245.

THEE S, GARCIA-PRATS AJ, DRAPER HR, MCILLERON H, WIESNER L, CASTEL S, SCHAAF HS, HESSELING AC. Pharmacokinetics and safety of moxifloxacin in children with multidrug-resistant tuberculosis. *Clinical Infectious Diseases* 2015; **60**(4):549-556.

TORRE P, COOK A, ELLIOTT H, DAWOOD G, LAUGHTON B. Hearing assessment data in HIV-infected and uninfected children of Cape Town, South Africa. *Aids Care* 2015; **27**(8):1037-1041.

VAN DYK L, SPRINGER PE, KIDD M, STEYN N, SOLOMONS RS, VAN TOORN R. Familial-Environmental Risk Factors in South African Children With Attention-Deficit Hyperactivity Disorder. *Journal of Child Neurology* 2015; **30**:1327-1332.

VAN NIEKERK E, NEL DG, BLAAUW R, KIRSTEN GF. Probiotics Reduce Necrotizing Enterocolitis Severity in HIV-exposed Premature Infants. *Journal of Tropical Pediatrics* 2015; **155**(164):61-3.

VAN STRUIJVENBERG ME, NEL J, SCHOEMAN SE, LOMBARD CJ, DU PLESSIS LM, DHANSAY MA. Low intake of calcium and vitamin D, but not zinc, iron or vitamin A, is associated with stunting in 2- to 5-year-old children. *Nutrition* 2015; **31**:841-846.

VAN TOORN R, DU PLESSIS A, SCHAAF HS, BUYS H, HEWLETT RH, SCHOEMAN JF. Clinicoradiologic Response of Neurologic Tuberculous Mass Lesions in Children Treated With Thalidomide. *Pediatric Infectious Disease Journal* 2015; **34**(2):214-218.

VAN ZYL GU, BEDISON MA, JANSE VAN RENSBURG A, LAUGHTON B, COTTON MF, MELLORS JW. Early Antiretroviral Therapy in South African Children Reduces HIV-1-Infected Cells and Cell-Associated HIV-1 RNA in Blood Mononuclear Cells. *Journal of Infectious Diseases* 2015; **212**(1):39-43.

VANDEN DRIESSCHE K, HENS N, TILLEY P, DE GROOT R, COTTON MF, MARAIS BJ, SPEERT DP. Surgical masks reduce airborne spread of *Pseudomonas aeruginosa* in colonized patients with cystic fibrosis. *American Journal of Respiratory and Critical Care Medicine* 2015; **192**(7):897-899.

VANKER A, BARNETT W, NDURU PM, GIE RP, SLY PD, ZAR H. Home environment and indoor air pollution exposure in an African birth cohort study. *Science of the Total Environment* 2015; **536**:362-367.

VISSER DH, SOLOMONS RS, RONACHER K, VAN WELL GT, HEYMANS MW, WALZL G, CHEGOU NN, SCHOEMAN JF, VAN FURTH AM. Host Immune Response to Tuberculous Meningitis. *Clinical Infectious Diseases* 2015; **60**(2):177-187.

VON DELFT A, DRAMOWSKI A, KHOSA C, KOTZE K, LEDERER P, MOSIDI T, PETERS JA, SMITH J, VAN DER WESTHUIZEN H, VON DELFT D, WILLEMS B, BATES M, CRAIG G, MAEURER M, MARAIS BJ, MWABA P, NUNES EA, NYIRENDA T, OLIVER M, ZUMLA A. Why healthcare workers are sick of TB. *International Journal of Infectious Diseases* 2015; **32**(10.1016):147-151.

VON MOLLENDORF C, COHEN C, DE GOUVEIA L, NAIDOO N, MEIRING S, QUAN V, LINDANI S, MOORE DP, REUBENSON G, MOSHE M, ELEY B, HALLBAUER UM, FINLAYSON H, MADHI SA, CONKLIN L, ZELL ER, KLUGMAN KP, WHITNEY CG, VON

GOTTBERG A. Risk Factors for Invasive Pneumococcal Disease Among Children Less Than 5 Years of Age in a High HIV Prevalence Setting, South Africa, 2010 to 2012. *Pediatric Infectious Disease Journal* 2015; **34**:27-34.

VON MOLLENDORF C, VON GOTTBERG A, TEMPIA S, MEIRING S, DE GOUVEIA L, QUAN V, LENGANA S, AVENANT T, DU PLESSIS N, ELEY B, FINLAYSON H, REUBENSON G, MOSHE M, O'BRIEN K, KLUGMAN KP, WHITNEY CG, COHEN C. Increased Risk for and Mortality From Invasive Pneumococcal Disease in HIV-Exposed but Uninfected Infants Aged <1 Year in South Africa, 2009–2013. *Clinical Infectious Diseases* 2015; **60**(9):1346-1356.

WEBER HC, GIE RP, WILLS K, COTTON MF. Clinical features and lung function in HIV-infected children with chronic lung disease. *South African Journal of Child Health* 2015; **9**(3):72-75.

WEINSHEL K, DRAMOWSKI A, HADJU A, JACOB S, KHANAL B, ZOLTAN M, MOUGKOU K, PHUKAN C, STANELONI MI, SINGH N. Gap Analysis of Infection Control Practices in Low- and Middle-Income Countries. *Infection Control and Hospital Epidemiology* 2015; **36**(10):1208-1214.

WISEMAN CA, MANDALAKAS AM, KIRCHNER HL, GIE RP, SCHAAF HS, WALTERS E, HESSELING AC. Novel application of NIH case definitions in a paediatric tuberculosis contact investigation study. *International Journal of Tuberculosis and Lung Disease* 2015; **19**(4):446-453.

#### Journal Articles (NON-subsidised)

ALSLEBEN N, GARCIA-PRATS AJ, HESSELING AC, WILLEMSE M, DONALD PR, SCHAAF HS. Successful Treatment of a Child With Extensively Drug-Resistant Tuberculous Meningitis. *Journal of the Pediatric Infectious Diseases Society* 2015; **4**(3):e41-e44.

BEKKER A. Tuberculosis in pregnancy within the context of HIV. *HIV Nursing matters* 2015; **6**(1):25-27.

DONALD PR. The influence of NAT-1 genotype on Para-aminosalicylic acid (PAS) pharmacokinetics and intolerance following once daily or twice daily PAS dosing. *Journal of infectious diseases & therapy* 2015; **3**(4):51.

DRAMOWSKI A, BLOOMBERG L, WEYER J. Protecting frontline health care workers: practical Ebola virus disease prevention and control. *African Newsletter on Occupational Health and Safety* 2015; **25**:11-15.

DRAMOWSKI A, COTTON MF, WHITELAW AC. Utilization of paediatric isolation facilities in a TB-endemic setting. *Antimicrobial Resistance & Infection Control* 2015; **4**(36):10.1186/s13756-015-0078-z.

GOUSSARD P, GIE RP, ANDRONIKOU S, SCHUBERT PT. Rare cause of an anterior mediastinal mass causing airway compression in a young child. *BMJ Case Report* 2015; **1**(1):1.

KALI GTJ, BIARGE MM, VAN ZYL J, SMITH J. Management of therapeutic hypothermia for neonatal hypoxic ischaemic encephalopathy in a tertiary centre in South Africa. *Archives of Diseases in Childhood Fetal and Neonatal Edition* 2015; **100**(6):F519-523.

MANDALAKAS AM, KIRCHNER HL, WALZL G, GIE RP, SCHAAF HS, COTTON MF, GREWAL HMS, HESSELING AC. Optimizing the Detection of Recent Tuberculosis Infection in Children in a High TB-HIV Burden Setting. *American Journal of Critical Care Medicine* 2015; **191**(7):820-830.

MOODLEY K, KLING S. Dual Loyalties, Human Rights Violations, and Physician Complicity in Apartheid South Africa. *American Medical Association Journal of Ethics* 2015; **17**(10):966-972.

MORROW BM, ARGENT AC, KLING S. Informed consent in paediatric critical care research. *BMC Medical Ethics* 2015; **16**:62.

MUDZIKATI L, DRAMOWSKI A. Neonatal septicaemia: prevalence and antimicrobial susceptibility patterns of common pathogens at Princess Marina Hospital, Botswana. *South African Journal of Infectious Disease* 2015; **30**(3):96-101.

PORTER M, DAVIES M-A, MAPANI M, RABIE H, PHIRI S, NUTTALL J, FAIRLIE L, TECHNAU K, STINSON K, WOOD R, WELLINGTON M, HAAS AD, GIDDY J, TANSER F, ELEY B. Outcomes of Infants Starting Antiretroviral Therapy in Southern Africa, 2004–2012. *Journal of acquired immune deficiency syndrome* 2015; **69**(5):593-601.

RABIE H, FRIGATI LJ, HESSELING AC, GARCIA-PRATS AJ. Tuberculosis: opportunities and challenges for the 90–90–90 targets in HIV-infected children. *Journal of the International Aids Society* 2015; **18**(6):35-45.

ROSS LL, COTTON MF, CASSIM H, VORONIN E, GIVENS N, SIEVERS J, CHENG KY. Treatment-Emergent Mutations and Resistance in HIV-Infected Children Treated with Fosamprenavir-Containing Antiretroviral Regimens. *The Open AIDS Journal* 2015; **9**:38-44.

SEDDON JA, FRED D, AMANULLAH F, SCHAAF HS, STARKE JR, KESHAVJEE S, BURZYNSKI J, FURIN JJ, SWAMINATHAN S, BECERRA C. Post-Exposure management of multidrug-resistant tuberculosis contacts: evidence-based recommendations. *Policy Brief* 2015; **1**:1-16.

TAMANNAI M, KAAH J, MBAH G, NDIMBA J, DSOUZA C, WHARIN P, HESSELING PB. An evaluation of a palliative care outreach programme for children with Burkitt lymphoma in rural Cameroon. *International Journal of Palliative Nursing* 2015; **21**(5):24-30.

VAN DER BIJL P, DORUYTER AGG, DE DECKER R, LAWRENSON J, COMITIS G, HEWITSON J. Chest pain on exertion after the Takeuchi repair of anomalous origin of the left coronary artery: Right ventricular ischemia due to severe pulmonary outflow tract obstruction. *World Journal for Pediatric and Congenital Heart Surgery* 2015; **6**(1):90-92.

VAN DER WESTHUIZEN H, KOTZE JCB, NAROTAM H, VON DELFT A, WILLEMS B, DRAMOWSKI A. Knowledge, attitudes and practices regarding TB infection control among health science students in a TB-endemic setting. *International Journal of Infection Control* 2015; **11**(4):1-7.

#### Books

DRAMOWSKI A. *Ebola prevention and control*. Infection Control Africa Network (ICAN), Cape Town, South Africa 2015:146 pp.

#### Chapters in Books

KRUGER M, BARR RD. Pediatric Oncology in Countries with Limited Resources. In: Pizzo PA, Poplack DG (eds.) *Principles and Practice of Pediatric Oncology*, Wolters Kluwer, Hagerstown, USA, 2015: 1256-1266.

SCHAAF HS, DONALD PR. Epidemiology of Tuberculosis in Young Children in the United States. In: SCHAAF HS (ed.) *Paediatrics*, 1, 1, 2015: 177-179.

Masters completed

JARVIS LN, BEYERS N, GODFREY-FAUSETT P, CHISINGA N. *Burden of common mental disorders among HIV/TB infected individuals in Zambia and South Africa*. MMed, 2015. 68 pp. Studieleier: HARVEY J, MACHARIA M, SEEDAT S.