



CELEBRATES SCIENCE



Newsletter

JUNE 2016

TOP 5 ARTICLES

Director: Prof Charles Parry



Article:

Carney T, Van Hout MC, Norman I, Dada S, Parry CDH. Dihydrocodeine for detoxification and maintenance treatment in illicit opiate-dependent individuals. Cochrane Database of Systematic Reviews. 2016 Jun 23; 2016(6): CD012254. [Original]

DOI: 10.1002/14651858.CD012254

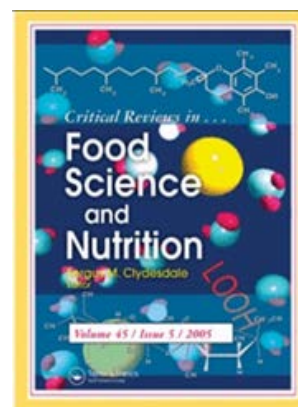
Impact Factor: 6.103

Summary:

This is the protocol for a review and there is no abstract. The objectives are as follows:

To investigate the effects of dihydrocodeine (DHC) in comparison to other pharmaceutical opioids and placebos in the detoxification of opiate-dependent individuals, as well as in maintenance substitution therapy.

Director: Dr Johan Louw



Article:

Muller CJ, Malherbe CJ, **Chellan N**, Yagasaki K, Miura Y, Joubert E. Potential of rooibos, its major c-glucosyl flavonoids and Z-2-(β-D-Glucopyranoloxo)-3-phenylpropenoic acid in prevention of metabolic syndrome. *Critical Reviews in Food Science and Nutrition*. 2016 Jun 15: 0. [Original]

DOI: 10.1080/10408398.2016.1157568

Impact Factor: 5.492

Summary:

Risk factors of type 2 diabetes mellitus (T2D) and cardiovascular disease (CVD) cluster together and are termed the metabolic syndrome. Key factors driving the metabolic syndrome are inflammation, oxidative stress, insulin resistance (IR) and obesity. IR is defined as the impairment of insulin to achieve its physiological effects, resulting in glucose and lipid metabolic dysfunction in tissues such as muscle, fat, kidney, liver and pancreatic β-cells. The potential of rooibos extract and its major C-glucosyl flavonoids, in particular aspalathin, a dihydrochalcone C-glucoside, as well as the phenolic precursor, Z-2-(β-D-glucopyranoloxo)-3-phenylpropenoic acid, to prevent the metabolic syndrome, will be highlighted. The mechanisms whereby these phenolic compounds elicit positive effects on inflammation, cellular oxidative stress and transcription factors that regulate the expression of genes involved in glucose and lipid metabolism will be discussed in terms of their potential in ameliorating features of the metabolic syndrome and the development of serious metabolic disease. An overview of the phenolic composition of rooibos and the changes during processing will provide relevant background on this herbal tea, while a discussion of the bioavailability of the major rooibos C-glucosyl flavonoids will give insight into a key aspect of the bioefficacy of rooibos.

Director: Prof Jimmy Volmink



Article:

Young T, Garner P, Clarke M, Volmink J. Evidence-based Health Care and Policy in Africa: Past, present and future. *Journal of Clinical Epidemiology*. 2016 Jun 24. [Original]

DOI: 10.1016/j.jclinepi.2016.06.006

Impact Factor: 4.703

Summary:

Africa has high disease burden and health system challenges but is making progress in recognizing, accepting, and adopting evidence-based health care (EBHC). In this article, we reflect on the developments of the past 2 decades and consider further steps that will help with the translation of reliable research results into the decision making process. There has been a rapid growth in various initiatives to promote EBHC in the African region. These include the conduct and reporting of primary and secondary research, research capacity development and supportive initiatives, access to information, and work with decision makers in getting research into clinical guidelines and health policies. Much, however, still needs to be done to improve the impact on health in the region. A multipronged approach consisting of regionally relevant well-conducted research addressing priority health problems, increased uptake of research in health care policy and practice, dedicated capacity development initiatives to support the conduct as well as use of research, facilitated by wider collaboration, and equitable partnerships will be important. Working together in mutually supporting partnerships is key to advancing both evidence-informed health care practices and better health.

Director: Prof. Shabir Madhi



Article:

Dangor Z, Lala SG, Kwatra G, Madhi SA. Group B Streptococcus: Developing a correlate of protection for a vaccine against neonatal infections. *Current Opinion in Infectious Diseases*. 2016 Jun; 29(3): 262-7. [Review]
DOI: 10.1097/QCO.0000000000000266
Impact Factor: 4.439

Summary:

Purpose of Review: Maternal vaccination to prevent invasive Group B Streptococcus (GBS) disease in infants is an important alternative strategy to intrapartum antibiotic prophylaxis. Licensure of GBS vaccines could be expedited using immunological correlates of protection.

Recent Findings: Between 2014 and 2015, we identified two studies that demonstrated an inverse association between invasive GBS disease and maternal serotype III capsular antibody levels greater than 1 µg/ml and greater than 3 µg/ml, and higher maternal antibody levels were associated with protection against serotype Ia disease. Furthermore, serotype Ia and III antibody levels greater than 3 µg/ml were associated with a reduced risk of GBS colonization in pregnant women. Experimental studies have investigated the use of GBS surface proteins as vaccine candidates. Although the immunogenic potential of pilus island and other surface proteins has been shown in animal-model studies, no association between maternal pilus island antibody levels and invasive GBS disease was demonstrated in infants. Additionally, several novel innate immune mediators that prevent GBS infection have been described in human and experimental studies.

Summary: Recent studies suggest that maternal capsular antibody thresholds may be used as immunological correlates of protection for vaccine licensure. Surface proteins, as candidate vaccines or conjugates to the polysaccharide-protein vaccine, may broaden protection against invasive GBS disease.

Director: Prof Shabir Madhi



Article:

Mutsaerts E, Madhi SA, Cutland CL, Jones S, Hugo A, Trenor S, Treurnicht FK, Klipstein-Grobusch K, Weinberg A, Nunes MC. Influenza vaccination of pregnant women protects them over two consecutive influenza seasons in a randomized controlled trial. *Expert Review of Vaccines*. 2016 Jun 6. [Original]
DOI: 10.1080/14760584.2016.1192473
Impact Factor: 4.222

Summary:

Background: We assessed the persistence of hemagglutinin inhibition (HAI) antibodies and the vaccine efficacy (VE) of trivalent inactivated influenza vaccine (IIV3) following vaccination of a cohort of pregnant South African women during a second influenza season.

Methods: A cohort of women who participated in a randomized placebo-controlled trial on the safety, immunogenicity and efficacy of IIV3 in 2011 had HAI titers measured in 2012 and were monitored for influenza illness until the end of 2012.

Results: The proportion of women with HAI titers $\geq 1:40$ was significantly greater in vaccinees (63%) compared to placebo-recipients (22%; $p < 0.001$). VE in 2012 was 63.8% (95% confidence interval [95%CI]: -33.7%, 90.2%); combined VE for 2011 and 2012 was 58.3% (95%CI: 0.2%, 82.6%).

Conclusion: The majority of women who received IIV3 during pregnancy had HAI titers above the putative threshold for protection against influenza illness one year after vaccination and showed a trend towards protection against influenza disease.

1. INTRAMURAL RESEARCH UNITS

Alcohol, Tobacco and Other Drug

1. **Carney T**, Van Hout MC, Norman I, **Dada S**, **Parry CDH**. Dihydrocodeine for detoxification and maintenance treatment in illicit opiate-dependent individuals. *Cochrane Database of Systematic Reviews*. 2016 Jun 23; 2016(6): CD012254. [Original]
DOI: 10.1002/14651858.CD012254
Impact Factor: 6.103

Biomedical Research and Innovation Platform

1. **Muller CJ**, Malherbe CJ, **Chellan N**, Yagasaki K, Miura Y, Joubert E. Potential of rooibos, its major c-glucosyl flavonoids and Z-2-(β -D-Glucopyranoloxo)-3-phenylpropenoic acid in prevention of metabolic syndrome. *Critical Reviews in Food Science and Nutrition*. 2016 Jun 15: 0. [Original]
DOI: 10.1080/10408398.2016.1157568
Impact Factor: 5.492
2. Matsha TE, **Pheiffer C**, Humphries SE, Gamielidien J, Erasmus RT, Kengne AP. Genome-wide DNA methylation in mixed ancestry individuals with diabetes and prediabetes from South Africa. *International Journal of Endocrinology*. 2016 June 28. [Original]
Impact Factor: 2.376

Biostatistics

1. Hiesgen J, Schutte C, **Olorunju S**, Retief J. Cryptococcal meningitis in a tertiary hospital in Pretoria, mortality and risk factors - A retrospective cohort study. *International Journal of STD & AIDS*. 2016 Jun 2. [Original]
DOI: 10.1177/0956462416653559
Impact Factor: 1.300
2. Derman W, Schwellnus MP, **Jordaan E**, Runciman P, Van de Vliet P, Blauwet C, Webborn N, Willick S, Stomphorst J. High incidence of injury at the Sochi 2014 Winter Paralympic Games: A prospective cohort study of 6564 athlete days. *British Journal of Sports Medicine*. 2016 Jun 15. [Original]
DOI: 10.1136/bjsports-2016-096214
Impact Factor: 6.724
3. Van Tonder A, Schwellnus M, **Swanevelder S**, **Jordaan E**, Derman W, Janse van Rensburg DC. A prospective cohort study of 7031 distance runners shows that 1 in 13 report systemic symptoms of an acute illness in the 8-12 day period before a race, increasing their risk of not finishing the race 1.9 times for those runners who started the race: SAFER study IV. *British Journal of Sports Medicine*. 2016 Jun 24. [Original]
DOI: 10.1136/bjsports-2016-096190
Impact Factor: 6.724

Burden of Disease

1. **Awotiwon OF**, **Pillay-van Wyk V**, **Dhansay A**, Day C, **Bradshaw D**. Diarrhoea in children under five years of age in South Africa (1997-2014). *Tropical Medicine & International Health*. 2016 Jun 17. [Review]
DOI: 10.1111/TMI.12739
Impact Factor: 2.519

2. **Roomaney RA, Pillay-van Wyk V, Awotiwon OF, Nicol E, Joubert JD, Bradshaw D, Hammer LA.** Availability and quality of routine morbidity data: review of studies in South Africa. *Journal of the American Medical Informatics Association*. 2016 Jun 29. [Review]
DOI: 10.1093/jamia/ocw075
Impact Factor: 3.428

Environment and Health

1. Bidassey-Manilal S, **Wright CY**, Engelbrecht JC, **Albers PN**, Garland RM, Matooane M. Students' perceived heat-health symptoms increased with warmer classroom temperatures. *International Journal of Environmental Research and Public Health*. 2016 Jun 7; 13(6): E566. [Original]
DOI: 10.3390/ijerph13060566
Impact Factor: 2.035
2. **Wright CY**, Karsten AE, Wilkes M, Singh A, du Plessis J, Albers PN, Karsten PA. Diffuse reflectance spectroscopy versus mexameter(R) MX18 measurements of melanin and erythema in an African population. *Photochemistry and Photobiology*. 2016 Jun 8. [Original]
DOI: 10.1111/php.12607
Impact Factor: 2.008

Health Systems

1. Eggers SM, **Mathews C**, Aaro LE, **McClinton-Appollis T**, Bos AE, de Vries H. Predicting primary and secondary abstinence among adolescent boys and girls in the Western Cape, South Africa. *AIDS & Behavior*. 2016 Jun 11. [Original].
DOI: 10.1007/s10461-016-1438-2
Impact Factor: 3.063
2. **Doherty T**, Kerber K, Kinney M, Mason J. Approaches to evaluate the impact of community-based delivery strategies. *American Journal of Tropical Medicine and Hygiene*. 2016 Jun 01; 94(6): 1433. [Letter]
DOI: 10.4269/ajtmh.16-0110a
Impact Factor: 2.453
3. Social science approaches for research and engagement in health policy & systems (SHaPeS) thematic working group of Health Systems Global, Regional Network for Equity in Health in East and Southern Africa (EQUINET), and Emerging Voices for Global Health; **Daniels K**, Loewenson R, George A, Howard N, Koleva G, **Lewin S**, Marchal B, Nambiar D, Paina L, Sacks E, Sheikh K, Tetui M, Theobald S, Topp SM, Zwi AB. Fair publication of qualitative research in health systems: A call by health policy and systems researchers. *International Journal for Equity in Health*. 2016 Jun 22; 15(1): 98. [Letter].
DOI: 10.1186/s12939-016-0368-y
Impact Factor: 2.378
4. **Doherty T**, Kroon M, Rhoda N, Sanders D. Ending preventable child deaths in South Africa: What role can ward-based outreach teams play? *South African Medical Journal*. 2016 Jun 17 [Original]
DOI: 10.7196/SAMJ.2016.v106i7.10790
Impact Factor: 1.500

HIV Prevention

1. **Skhosana M, Reddy S, Reddy T, Ntoyanto S, Spooner E, Ramjee G**, Ngomane N, Coutsooudis A, **Kiepiela P**. PIMA™ point-of-care testing for CD4 counts in predicting antiretroviral initiation in HIV-infected individuals in KwaZulu-Natal, Durban, South Africa. *Southern African Journal of HIV Medicine*. 2016 June 24. [Original]
Impact Factor: 0.529

2. Kasaro MP, Husnik MJ, Chi BH, Reid C, Magure T, Makanani B, Tembo T, **Ramjee G**, Maslankowski L, Rabe L, Brad Guffey M. Impact of targeted counseling on reported vaginal hygiene practices and bacterial vaginosis: the HIV Prevention Trials Network 035 study. *International Journal of STD & AIDS*. 2016 Jun 8. [Original]
DOI: 10.1177/0956462416653001
Impact Factor: 1.300
3. **Morar NS, Naidoo S**, Goolam A, **Ramjee G**. Research participants' skills development as HIV prevention peer educators in their communities. *Journal of Health Psychology*. 2016 Jun 30. [Original]
DOI: 10.1177/1359105316655470.
Impact Factor: 2.010

MRC Office of AIDS

1. **Gray GE**, Mayer KH, Elizaga ML, Bekker LG, Allen M, Morris L, Montefiori D, de Rosa SC, Sato A, Gu N, Tomaras GD, Tucker T, Barnett SW, Mkhize NN, Shen X, Downing K, Williamson C, Pensiero M, Corey L, Williamson AL. Subtype C gp140 vaccine boosts immune responses primed by the South African AIDS vaccine initiative DNA-C2 and MVA-C HIV vaccines after more than a 2-year gap. *Clinical and Vaccine Immunology*. 2016 Jun 6; 23(6): 496-506. [Original]
DOI: 10.1128/CVI.00717-15.
Impact Factor: 2.277

Non-Communicable Disease

1. **Nguyen KA, Peer N, de Villiers A**, Mukasa B, Matsha TE, Mills EJ, **Kengne AP**. The distribution of obesity phenotypes in HIV-infected African population. *Nutrients*. 2016 Jun 2;8(6). pii: E299. [Original]
DOI: 10.3390/nu8060299
Impact Factor: 3.759
2. Feigin VL, Roth GA, Naghavi M, Parmar P, Krishnamurthi R, Chugh S, Mensah GA, Norrving B, Shiu I, Ng M, Estep K, Cercy K, Murray CJ, Forouzanfar MH; Global Burden of Diseases, Injuries and Risk Factors Study 2013 and Stroke Experts Writing Group [included: **Kengne AP**]. Global burden of stroke and risk factors in 188 countries, during 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet Neurology*. 2016 Jun 9. [Original]
DOI: 10.1016/S1474-4422(16)30073-4
Impact Factor: 23.468
3. Ngueta G, **Kengne AP**. Low-level environmental lead exposure and dysglycemia in adult individuals: Results from the Canadian health and measure survey 2007-2011. *Biological Trace Element Research*. 2016 Jun 22. [Original]
DOI: 10.1007/s12011-016-0786-0
Impact Factor: 1.798
4. **Peer N**, Ganie Y. A weighty matter: the identification and management of overweight and obesity in adolescents. *South African Medical Journal*. 2016 June 17. [Other]
DOI: 10.7196/SAMJ.2016.v106i7.10946
Impact Factor: 1.500

Primate

1. **Chauke CG, Magwebu ZE**, Sharma JR, Arieff Z, **Seier JV**. Mutation analysis of GLDC, AMT and GCSH in cataract captive-bred vervet monkeys (*Chlorocebus aethiops*). *Journal of Medical Primatology*. 2016 Jun 21. [Original]
DOI: 10.1111/jmp.12219
Impact Factor: 0.930

South African Cochrane Centre

1. **Young T**, Garner P, Clarke M, **Volmink J**. Evidence-based Health Care and Policy in Africa: Past, present and future. *Journal of Clinical Epidemiology*. 2016 Jun 24. [Original]
DOI: 10.1016/j.jclinepi.2016.06.006
Impact Factor: 4.703
2. Stewart BT, Tansley G, Gyedu A, Ofosu A, Donkor P, Appiah-Denkyira E, Quansah R, Clarke DL, **Volmink J**, Mock C. mapping population-level spatial access to essential surgical care in Ghana using availability of Bellwether Procedures. *JAMA Surgery*. 2016 Jun 22: e161239. [Original]
DOI: 10.1001/jamasurg.2016.1239
Impact Factor: 5.661
3. Claassen-Weitz S, **Wiysonge CS**, Machingaidze S, Thabane L, Horsnell WG, Zar HJ, Nicol MP, Kaba M. The current knowledge and future research directions on fecal bacterial patterns and its association with asthma. *Frontiers in Microbiology*. 2016 June 29; 7: 838. [Original]
DOI: 10.3389/fmicb.2016.00838
Impact Factor: 4.165
4. Abdullahi LH, Kagina BM, Cassidy T, Adebayo EF, **Wiysonge CS**, Hussey GD. Knowledge, attitudes and practices on adolescent vaccination among adolescents, parents and teachers in Africa: A systematic review. *Vaccine*. 2016 Jun 8. [Review]
DOI: 10.1016/j.vaccine.2016.06.023
Impact Factor: 3.413
5. Shaik MZ, Ebrahim S, **Kredo T**. Circumcision devices versus standard surgical techniques in adolescent and adult male circumcisions. *Cochrane Database of Systematic Reviews* 2016 June, Issue 6. Art. No.: CD012250. [Review]
DOI: 10.1002/14651858.CD012250
Impact Factor: 6.103

Violence, Injury and Peace

1. **Helman R**, **Ratele K**. Everyday (in)equality at home: complex constructions of gender in South African families. *Global Health Action*. 2016 Jun 09; 9: 31122. [Original]
DOI: 10.3402/gha.v9.31122
Impact Factors: 1.896

2. EXTRAMURAL RESEARCH UNITS

Anxiety and Stress Disorders

1. Howells FM, Donald KA, **Roos A**, Woods RP, Zar HJ, Narr KL, Stein DJ. Reduced glutamate in white matter of male neonates exposed to alcohol in utero: A 1H-magnetic resonance spectroscopy study. *Metabolic Brain Disease*. 2016 Jun 16. [Original]
DOI: 10.1007/s11011-016-9850-x
Impact Factor: 2.603
2. Sibeko G, Milligan PD, Temmingh H, Lund C, **Stein DJ**, Mall S. Caregiving for mental health service users: A study exploring the perceptions of mental health service users and their caregivers in Cape Town, South Africa. *International Journal of Social Psychiatry*. 2016 Jun 9. [Original]
DOI: 10.1177/0020764016651458
Impact Factor: 1.361
3. Brakoulias V, Starcevic V, Belloch A, Dell'Osso L, Ferrao YA, Fontenelle LF, **Lochner C**, Marazziti D, Martin A, Matsunaga H, Miguel EC, Reddy YC, do Rosario MC, Shavitt RG, Sundar AS, **Stein DJ**, Viswasam K. International prescribing practices in Obsessive-Compulsive Disorder (OCD). *Human Psychopharmacology: Clinical and Experimental*. 2016 Jun 07. [Original]
DOI: 10.1002/hup.2541
Impact Factor: 2.440

Developmental Pathways for Health

1. **Meagley K, Schriver B, Geary RS**, Fielding-Miller R, **Stein AD**, Dunkle KL, **Norris SA**. The gender dimensions of social networks and help-seeking behaviors of young adults in Soweto, South Africa. *Global Health Action*. 2016 Jun 3; 9: 31138. [Original]
DOI: 10.3402/gha.v9.31138
Impact Factor: 1.896
2. Thacher TD, Smith L, Fischer PR, Isichei CO, Cha SS, **Pettifor JM**. Optimal dose of calcium for treatment of nutritional rickets: A randomized controlled trial. *Journal of Bone and Mineral Research*. 2016 Jun 17. [Original]
DOI: 10.1002/jbmr.2886
Impact Factor: 5.622
3. **Wrottesley SV, Pisa PT, Micklesfield LK, Pettifor JM, Norris SA**. A comparison of body composition estimates using dual-energy X-ray absorptiometry and air-displacement plethysmography in South African neonates. *European Journal of Clinical Nutrition*. 2016 Jun 01. [Original]
DOI: 10.1038/ejcn.2016.91
Impact Factor: 2.935
4. **Stein AD**, Lundeen EA, Martorell R, Suchdev PS, Mehta NK, **Richter LM, Norris SA**. Pubertal development and prepubertal height and weight jointly predict young adult height and body mass index in a prospective study in South Africa. *Journal of Nutrition*. 2016 Jun 22. [Original]
DOI: 10.3945/jn.116.231076
Impact Factor: 3.740

Diarrhoeal Pathogens

1. **Steele AD**, Madhi SA, Cunliffe NA, Vesikari T, Phua KB, Lim FS, Nelson EA, Lau YL, Huang LM, Karkada N, Debrus S, Han HH, Benninghoff B. Incidence of rotavirus gastroenteritis by age in African, Asian and European children: Relevance for timing of rotavirus vaccination. *Human Vaccines & Immunotherapeutics*. 2016 Jun 3. [Original]
DOI: 10.1080/21645515.2016.1179412
Impact Factor: 2.146
2. Sondlane TH, Mawela L, Razwiedani LL, Selabe SG, Lebelo RL, Rakgole JN, **Mphahlele MJ**, Dochez C, De Schryver A, **Burnett RJ**. High prevalence of active and occult hepatitis B virus infections in healthcare workers from two provinces of South Africa. *Vaccine*. 2016 Jun 07. [Original]
DOI: 10.1016/j.vaccine.2016.05.040
Impact Factor: 3.413

Health Services to Systems

1. **Schneider H**, **Lehmann U**. From community health workers to community health systems: Time to Widen the Horizon? *Health Systems & Reform*. 2016 Jun 24; 2(2): 112-8. [Letter]
DOI: 10.1080/23288604.2016.1166307
Impact Factor: None
2. Sheikh K, **Schneider H**, Agyepong IA, **Lehmann U**, Gilson L. Boundary-spanning: Reflections on the practices and principles of global health. *BMJ Global Health*. 2016 Jun 02; 1(1): e000058. [Original]
DOI: 10.1136/bmjgh-2016-000058
Impact Factor: None

Hypertension and Cardiovascular Disease

1. Mels CM, van Zyl C, **Huisman HW**. Cardiovascular function is not associated with creatine kinase activity in a black African population: The SABPA study. *BMC Cardiovascular Disorders*. 2016 Jun 10; 16: 134. [Original]
DOI: 10.1186/s12872-016-0315-2
Impact Factor: 1.916

Microbial Water Quality Monitoring

1. Akaniro-Ejim NE, Ubani CS, Nubila NI, Nzei AA, **Nwodo UU**, **Okoh AI**. Evaluation of saponin extract from *Vitex doniana* and *Pentaclethra macrophylla* for antibacterial activity. *Applied Sciences*. 2016 Jun 17; 6(6): 180. [Original]
DOI: 10.3390/app6060180
Impact Factor: 1.726

Molecular Mycobacteriology

1. Djaout K, **Singh V**, Boum Y, Katawera V, Becker HF, Bush NG, Hearnshaw SJ, Pritchard JE, Bourbon P, Madrid PB, Maxwell A, **Mizrahi V**, Myllykallio H, Ekins S. Predictive modeling targets thymidylate synthase ThyX in *Mycobacterium tuberculosis*. *Scientific Reports*. 2016 Jun 10; 6: 27792. [Original]
DOI: 10.1038/srep
Impact Factor: 5.228

Respiratory and Meningeal Pathogens

1. Wiysonge CS, Waggie Z, Hawkrige A, Schoub BD, **Madhi SA**, Rees H, Hussey GD; delegates of the first International African Vaccinology Conference. The Cape Town Declaration on Vaccines 2012: Unlocking the full potential of vaccines in Africa. *Vaccine*. 2016 Jun 15.
DOI: 10.1016/j.vaccine.2016.05.072
Impact Factor: 3.413
2. Verani JR, **Groome MJ**, Zar HJ, Zell ER, Kapongo CN, **Nzenze SA**, Mulligan C, **Moore DP**, Whitney CG, **Madhi SA**. Risk factors for presumed bacterial pneumonia among HIV-uninfected children hospitalized in Soweto, South Africa. *Pediatric Infectious Disease Journal*. 2016 Jun 7. [Original]
DOI: 10.1097/INF.0000000000001264
Impact Factor: 2.587
3. **Mutsaerts E, Madhi SA, Cutland CL, Jones S, Hugo A, Trenor S**, Treurnicht FK, Klipstein-Grobusch K, Weinberg A, **Nunes MC**. Influenza vaccination of pregnant women protects them over two consecutive influenza seasons in a randomized controlled trial. *Expert Review of Vaccines*. 2016 Jun 6. [Original]
DOI: 10.1080/14760584.2016.1192473
Impact Factor: 4.222
4. **Dangor Z**, Lala SG, **Kwatra G, Madhi SA**. Group B Streptococcus: Developing a correlate of protection for a vaccine against neonatal infections. *Current Opinion in Infectious Diseases*. 2016 Jun; 29(3): 262-7. [Review]
DOI: 10.1097/QCO.0000000000000266
Impact Factor: 4.439

Rural Public Health and Health Transition

1. Bawah A, **Houle B**, Alam N, Razzaque A, Streatfield PK, Debpuur C, Welaga P, Oduro A, Hodgson A, **Tollman S, Collinson M, Kahn K**, Toan TK, Phuc HD, Chuc NT, Sankoh O, **Clark SJ**. The evolving demographic and health transition in four low- and middle-income countries: Evidence from four sites in the INDEPTH network of longitudinal health and demographic surveillance systems. *PLoS ONE*. 2016 Jun 15;11(6): e0157281. [Original]
DOI: 10.1371/journal.pone.0157281
Impact Factor: 3.057
2. **D'Ambruoso L, Kahn K, Wagner R, Twine R**, Spies B, van der Merwe M, **Gomez-olive FX, Tollman SM**, Byass P. Moving from medical to health systems classifications of deaths extending verbal autopsy to collect information on the circumstances of mortality. *Global Health Research and Policy*. 2016 June. [Original]
DOI: 10.1186/s42156-016-0002-y
Impact Factor: None
3. Jennings L, **Pettifor A**, Hamilton E, Ritchwood TD, **Xavier Gomez-Olive F, MacPhail C**, Hughes J, Selin A, **Kahn K**, HPTN 068 Study Team. Economic resources and HIV preventive behaviors among school-enrolled young women in rural South Africa (HPTN 068). *AIDS and Behavior*. 2016 Jun 03. [Original]
DOI: 10.1007/s10461-016-1435-5
Impact Factor: 3.063

4. **Kabudula CW, Houle B, Collinson MA, Kahn K, Tollman S, Clark A.** Assessing changes in household socioeconomic status in rural South Africa, 2001-2013: A distributional analysis using household asset indicators. *Social Indicators Research*. 2016 Jun 28. [Original]
DOI: 10.1007/s11205-016-1397-z
Impact Factor: 1.380
5. Rochat TJ, **Houle B**, Stein A, Coovadia H, Coutsooudis A, Desmond C, Newell ML, Bland RM. Exclusive breastfeeding and cognition, executive function, and behavioural disorders in primary school-aged children in rural South Africa: A Cohort Analysis. *PLoS Medicine*. 2016 Jun 21; 13(6): e1002044. [Original]
DOI: 10.1371/journal.pmed.1002044
Impact Factor: 13.585
6. **Wagner RG, Bertram MY, Gómez-Olivé FX, Tollman SM, Lindholm L, Newton CR, Hofman KJ.** Health care utilization and outpatient, out-of-pocket costs for active convulsive epilepsy in rural northeastern South Africa: a cross-sectional Survey. *BMC Health Services Research*. 2016 June 28; 16(1): 208. [Original]
DOI: 10.1186/s12913-016-1460-0
Impact Factor: 1.606

3. GRANT FUNDED RESEARCH

1. **Mukudu H, Otwombe K, Laher F, Lazarus E, Manentsa M, Lebina L**, Mapulanga V, Bowa K, **Martinson N**. A cross sectional study of the prevalence of preputial and penile scrotal abnormalities among clients undergoing voluntary medical male circumcision in Soweto, South Africa. PLoS ONE. 2016 Jun 02; 11(6): e0156265.
DOI: 10.1371/journal.pone.0156265
Impact Factor: 3.057
2. **Aderibigbe BA**, Mhlwatika Z. Dual release kinetics of antimalarials from soy protein isolate-carbopol-polyacrylamide based hydrogels. Journal of Applied Polymer Science. 2016 Jun 4. [Original]
DOI: 10.1002/app.43918
Impact Factor: 1.866
3. Booyesen HL, **Woodiwiss AJ**, Raymond A, Sareli P, Hsu HC, Dessein PH, **Norton GR**. Chronic kidney disease epidemiology collaboration-derived glomerular filtration rate performs better at detecting preclinical end-organ changes than alternative equations in black Africans. Journal of Hypertension. 2016 Jun; 34(6): 1178-85. [Original].
DOI: 10.1097/HJH.0000000000000924
Impact Factor: 5.062
4. Robinson C, **Woodiwiss AJ**, Libhaber CD, **Norton GR**. Novel approach to the detection of left ventricular hypertrophy using body mass index-corrected electrocardiographic voltage criteria in a group of African ancestry. Clinical Cardiology. 2016 Jun 09. [Original]
DOI: 10.1002/clc.22560
Impact Factor: 2.431

4. CLOSED RESEARCH UNITS

Clinical and Biomedical Tuberculosis

1. **Mthiyane T**, Pym A, Dheda K, **Rustomjee R**, Reddy T, Manie S. Longitudinal assessment of health related quality of life of HIV infected patients treated for tuberculosis and HIV in a high burden setting. Quality of Life Research. 2016 Jun 9. [Original]
DOI: 10.1007/s11136-016-1332-4
Impact Factor: 2.429

Health Policy

1. **Nxumalo N, Goudge J**, Manderson L. Community health workers, recipients' experiences and constraints to care in South Africa - A pathway to trust. AIDS Care. 2016 Jun 26. [Original]
DOI: 10.1080/09540121.2016.1195484
Impact Factor: 1.902

5. RESEARCH UNITS WITH NO QUALIFYING PUBLICATIONS

Intramural

- Centre for Tuberculosis
- Gender and Health
- MRC Office of Cancer
- MRC Office of Malaria
- MRC Office of Tuberculosis

Extramural

- Antiviral Gene Therapy
- Bioinformatics Capacity Development
- Child and Adolescent Lung Health
- Common Epithelial Cancer
- Drug Discovery and Development
- Gynaecological Cancer
- Health Policy
- Herbal Drugs
- HIV/TB Pathogenesis and Treatment
- Human Genetics
- Maternal and Infant Health Care Strategies
- Medical Imaging
- Prospective Gastrointestinal Cancer
- Receptor Biology
- Stem Cell Research and Therapy

6. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR JUNE 2016					
MRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
Alcohol, Tobacco and Other Drug	RTI International	National Institute of Drug Abuse(NIDA)	NIDA Grant 1R01DA041227	871 687	\$ 59 047
Gender and Health	National Research Foundation (NRF)	National Research Foundation (NRF)	Incentive Funding for Rated Researchers (IPRR)	480 000	-
HIV Prevention	Magee-Women's Research Institute and Foundation	National Institutes of Health	Leadership and Operations Centre (LOC): Microbicides Trial Network(Support MTN031 &032 site development programs	66 225	\$4,486
Non-Communicable Disease	National Research Foundation (NRF)	National Research Foundation (NRF)	Incentive Funding for Rated Researchers (IPRRR)	240 000	-
Violence, Injury and Peace	National Research Foundation (NRF)	National Research Foundation (NRF)	Strengthening healing processes among paediatric burn victims	763 149	-

Published by Information Services Division
South African Medical Research Council
PO Box 19070, Tygerberg 7505,
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www.mrc.ac.za

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