

## Research Report

### Menslike Voeding : 2019

PLEASE NOTE: The Research Report format modifications have now been completed. If you detect any problems with the format on the report, please contact the RA Administrators in the Research Office.

#### Journal Articles (subsidised)

- ANJORIN O, EZEKANNAGHA OJ, ADEYEMI O. Coordinating Nigeria's micronutrient deficiency control programs is necessary to prevent necessary deficiencies and toxicity risks. *Annals of the New York Academy of Sciences* 2019; **1446**(1):153-169.
- ATUKUNDA P, MUHOOZI GKM, VAN DEN BROEK T, KORT R, DIEP LM, KAAYA A, IVERSEN PO, WESTERBERG A. Child development, growth and microbiota: follow-up of a randomized education trial in Uganda. *Journal of Global Health* 2019; **9**(1):010431, 11 pages.
- ATUKUNDA P, MUHOOZI GKM, WESTERBERG A, IVERSEN PO. Nutrition, Hygiene and Stimulation Education for Impoverished Mothers in Rural Uganda: Effect on Maternal Depression Symptoms and Their Associations to Child Development Outcomes. *Nutrients* 2019; **11**(7):1561, 13 pages.
- AYUK BT, MBANGA BMR, NZEFA DL, NAMA MG. Pesticide usage and occupational hazards among farmers working in small-scale tomato farms in Cameroon. *Journal of the Egyptian Public Health Association* 2019; **94**(20):1-7.
- BLAAUW R, ACHAR EA, DOLMAN RC, HARBRON J, MOENS M, MUNYI FW, NYATEFE D, VISSER J. The Problem of Hospital Malnutrition in the African Continent. *Nutrients* 2019; **11**(9):2028, 12 pages.
- BLAAUW R, OSLAND E, SRIRAM K, ALI A, ALLARD JP, BALL P, CHAN LN, JUREWITSCH B, COUGHLIN KL, MANZANARES W, MENÉNDEZ AM, MUTIARA R, ROSENFELD R, SIOSON M, VISSER J, BERGER M. Parenteral Provision of Micronutrients to Adult Patients: An Expert Consensus Paper. *JOURNAL OF PARENTERAL AND ENTERAL NUTRITION* 2019; **43**(S1):S5-S23.
- BLAAUW R. Diagnosis of hospital malnutrition in the adult population. *South African Journal of Clinical Nutrition* 2019; **32**(1):8-10.
- CEDERHOLM T, JENSEN GL, CORREIA MITD, GONZALEZ MC, FUKUSHIMA R, HIGASHIGUCHI T, DE BAPTISTA GA, BARAZZONI R, BLAAUW R, COATS A, CRIVELLI A, EVANS DC. GLIM criteria for the diagnosis of malnutrition - A consensus report from the global nutrition community. *CLINICAL NUTRITION* 2019; **38**(1):1-9.
- COETZEE A, BEUKES A, DREYER R, SOLOMON S, VAN WYK L, MISTRY R, CONRADIE M, VAN DE VYVER M. The prevalence and risk factors for diabetes mellitus in healthcare workers at Tygerberg hospital, Cape Town, South Africa: a retrospective study. *Journal of Endocrinology, Metabolism and Diabetes of South Africa* 2019; **24**(3):77-82.
- COUTSOUDIS A, SANDERS D, DHANSAY MA, VAN STUIJVENBERG ME, BENN CS. Is it time for South Africa to end the routine high-dose vitamin A supplementation programme. *SAMJ South African Medical Journal* 2019; **109**(12):907-910.
- DOHERTY T, HORWOOD C, HASKINS L, MAGASANA V, GOGA A, FEUCHT UD, SANDERS D, TYLLESKAR T, KAUCHALI S, DHANSAY MA, ROLLINS N, KROON M, ENGBRETSEN I. Breastfeeding advice for reality: Women's perspectives on primary care support in South Africa. *Maternal and Child Nutrition* 2019; **16**(1):12877, 10 pages.
- DONOGHUE VF, SCHLEICHER GK, SPRUYT MGL, MALAN L, NEL DG, CALDER PC, BLAAUW R. Four-oil intravenous lipid emulsion effect on plasma fatty acid composition, inflammatory markers and clinical outcomes in acutely ill patients: A randomised control trial (Foil fact). *CLINICAL NUTRITION* 2019; **38**(6):2583-2591.
- FRANK SM, WEBSTER J, MCKENZIE B, GELDSETZER P, MANNE-GOEHLER J, ANDALL-BRERETON G, HOUEHANOU C, HOUINATO D, GURUNG MS, BICABA BW, MCCLURE RW, SUPIYEV A, LABADARIOS D, ET AL. Consumption of Fruits and Vegetables Among Individuals 15 Years and Older in 28 Low- and Middle-Income Countries. *JOURNAL OF NUTRITION* 2019; **149**(7):1252-1259.

- GELDSETZER P, MANNE-GOEHLER J, MARCUS M, EBERT C, ZHUMADILOV Z, WESSEH CS, TSABEDZE L, SUPIYEV A, STURUA L, BAHENDEKA SK, SIBAI AM, QUESNEL-CROOKS S, LABADARIOS D, ET AL. The state of hypertension care in 44 low-income and middle-income countries: A cross-sectional study of nationally representative individual-level data from 1.1 million adults. *Lancet* 2019; **394**(10199):652-662.
- HJERTHOLM KG, HOLMBOE-OTTESEN G, IVERSEN PO, MDALA I, MUNTHALI A, MALETA K, SHI Z, FERGUSON E, KAMUDONI P. Seasonality in associations between dietary diversity scores and nutrient adequacy ratios among pregnant women in rural Malawi - a cross-sectional study. *Food and Nutrition Research* 2019; **63**:1-8.
- JENSEN GL, CEDERHOLM T, CORREIA MITD, GONZALEZ MC, FUKUSHIMA R, HIGASHIGUCHI T, DE BAPTISTA GA, BARAZZONI R, BLAAUW R, COATS A, CRIVELLI A, EVANS DC, ET AL. GLIM Criteria for the Diagnosis of Malnutrition: A Consensus Report from the Global Nutrition Community. *JOURNAL OF PARENTERAL AND ENTERAL NUTRITION* 2019; **43**(1):32-40.
- MABASA E, MABAPA NS, JOOSTE P, MBHENYANE XG. Iodine status of pregnant women and children age 6 to 12 years feeding from the same food basket in Mopani district, Limpopo province, South Africa. *South African Journal of Clinical Nutrition* 2019; **32**(3):76-82.
- MANNE-GOEHLER J, GELDSETZER P, AGOUDAVI K, ANDALL-BRERETON G, ARYVAL KK, BICABA BW, BOVET P, BRIAN G, DOROBANTU M, GATHECHA G, GURUNG MS, GUWATUDDE D, LABADARIOS D, ET AL. Health system performance for people with diabetes in 28 low- and middle-income countries: A cross-sectional study of nationally representative surveys. *PLoS Medicine* 2019; **16**(3):1-21.
- MARAIS DL, KOTLOWITZ JR, WILLEMS B, BARSDORF N, VAN SCHALKWYK SC. Perceived enablers and constraints of motivation to conduct undergraduate research in a Faculty of Medicine and Health Sciences: What role does choice play?. *PLoS One* 2019; **14**(3):e0212873, 23 pages.
- MCCLUNAN K, NEL DG, DHANSAY MA, VAN NIEKERK E. Effect of Nutritional Intake on the Body Composition of HIV-Exposed and HIV-Unexposed Preterm and Low Birth Weight Infants. *Breastfeeding Medicine* 2019; **14**(3):144-153.
- MCCLUNAN K, VAN NIEKERK E, DHANSAY MA. Factors affecting body composition in preterm infants: Assessment techniques and nutritional interventions. *Pediatrics and Neonatology* 2019; **60**(2):121-128.
- NGARI M, IVERSEN PO, THITIRI J, MWALEKWA L, TIMBWA M, FEGAN GW, BERKLEY JA. Linear growth following complicated severe malnutrition: 1-year follow-up cohort of Kenyan children. *ARCHIVES OF DISEASE IN CHILDHOOD* 2019; **104**(3):229-235.
- PADAYACHEE M, VISSER J, VILJOEN E, MUSEKIWA A, BLAAUW R. Efficacy and safety of *Saccharomyces boulardii* in the treatment of acute gastroenteritis in the paediatric population: a systemic review. *South African Journal of Clinical Nutrition* 2019; **32**(3):58-69.
- PHOOKO-RABODIBA DA, AYUK BT, NESAMVUNI CN, MBHENYANE XG. Socioeconomic Determinants Influencing Nutritional Status of Children in Sekhukhune District of Limpopo Province in South Africa. *Journal of Nutrition and Health* 2019; **5**(1):7, 7 pages.
- RUKUNDO PM, RUKOOKO B, ANDREASSEN BA, IVERSEN PO. Housing, water and sanitation implications on food insecurity and diet diversity in landslide affected communities: A cross-sectional survey of two districts in Uganda. *Clinical Nutrition ESPEN* 2019; **33**:47-56.
- SCHIEVER J, VISSER J, VAN DER MERWE M, NEL DG. Evaluation of nutrition care to adult patients on HAART attending primary healthcare facilities in Mpumalanga. *South African Journal of Clinical Nutrition* 2019; **32**(1):13-20.
- SEWPAUL R, NAUDE PJW, STEIN DJ, LABADARIOS D. Psychological distress and C-reactive protein in a South African national survey. *Acta Neuropsychiatrica* 2019; **31**(5):270-275.
- SRIRAM K, BLAAUW R. Addition of Insulin to Parenteral Nutrition is not Universally Safe. *JOURNAL OF PARENTERAL AND ENTERAL NUTRITION* 2019; **43**(1):13.
- TANUMIHARDJO SA, KALIWILE C, BOY E, DHANSAY MA, VAN BLERK ME. Overlapping vitamin A interventions in the United States Guatemala, Zambia, and South Africa: case studies. *Annals of the New York Academy of Sciences* 2019; **1446**(1):102-116.
- VAN BLERK ME, DHANSAY MA, NEL J, SURI D, GRAHN M, DAVIS CR, TANUMIHARDJO SA. South

African preschool children habitually consuming sheep liver and exposed to vitamin A supplementation and fortification have hypervitaminotic A liver stores: a cohort study. *AMERICAN JOURNAL OF CLINICAL NUTRITION* 2019; **110**(1):91-101.

VAN BLERK ME, SCHOEMAN SE, NEL J, LE ROUX M, DHANSAY MA. Liver is widely eaten by preschool children in the Northern Cape province of South Africa: Implications for the routine vitamin A supplementation. *Maternal and Child Nutrition* 2019; **1**:e,12931, 8 pages.

VISSER J, KNIGHT KJ, PHILIPS LA, VISSER WI, WALLACE M, NEL DG, BLAAUW R. Determinants of serum 25-hydroxyvitamin D levels in healthy young adults living in the Western Cape, South Africa. *South African Family Practice* 2019; **61**(4):150-158.

### Journal Articles (NON-subsidised)

GERARD N, JUDITH TTJ, GUSTAVE S, AYUK BT, ROGER AC, BONGLAVNYUY TC. Lipid Profile and Prevalence of Dyslipidemia in Pre- and Postmenopausal Women in Yaounde, Cameroon. *International Journal of Biochemistry Research & Review* 2019; **25**(4):1-11.

### Doctoral completed

EZEKANNAGHA OJ. *Development of a roadmap for mainstreaming nutrition-sensitive interventions in Anambra and Kebbi States, Nigeria*. PhD, 2019. 334 pp. Promotor: MBHENYANE XG. Medepromotor: VON FINTEL DP, DRIMIE SE, Maziya-Dixon B.

IDZERDA LC. *Design of an Architectural Framework for a Health Assessment Information System for Urban Agriculture Interventions in Low-Resource Settings Using a Soft Systems Approach to Information System Design*. PhD, 2019. 179 pp. Promotor: MCLACHLAN MH. Medepromotor: Michalowski W.

### Masters completed

ACHAR EA. *The prevalence and impact of malnutrition in hospitalized adult patients in Mbagathi District Hospital, Nairobi – Kenya*. MVoeding, 2019. 164 pp. Studieleier: BLAAUW R. Medestudieleier: VISSER J, Ochola S.

BERRY LJ. *Exploring the obesogenic environment and behaviour in adolescents A qualitative study, in the Cape Town Metropole of the Western Cape*. MVoeding, 2019. 167 pp. Studieleier: BLAAUW R. Medestudieleier: DU PLESSIS LM.

BRONKHORST M. *Polyunsaturated fatty acid status in individuals with Poly Cystic Ovarian Syndrome*. *M Nutrition*, 2019. MVoeding, 2019. 137 pp. Studieleier: VISSER J. Medestudieleier: Smuts M.

DE KOCK T. *Knowledge, practice, and views on precautionary allergen labelling in the management of children with food allergies in South Africa -a cross sectional survey*. MVoeding, 2019. 79 pp. Studieleier: VAN NIEKERK E.

HOLM A. *Nutritional status, as an outcome of the social determinants of health, of children under 3 years of age, conceived unintended, compared to those from intended pregnancies, in a disadvantaged community in the Western Cape*. MVoeding, 2019. 128 pp. Studieleier: DU PLESSIS LM. Medestudieleier: SKINNER DH.

LEWIS AM. *Nutrition care and practices in early childhood development centres in the Northern central district of Harare, Zimbabwe*. MVoeding, 2019. 104 pp. Studieleier: SMIT Y. Medestudieleier: MARAIS ML.

MALINGA FF. *Determinants of food purchase practices and their contribution towards food accessibility by household from Imbali Township, Pietermaritzburg Kwa-zulu Natal, South Africa*. MVoeding, 2019. 73 pp. Studieleier: MBHENYANE XG. Medestudieleier: VAN ROOYEN C.

MPANZA HN. *A critical review of the multi-sector response to the National Strategy for the Prevention and Management of Non-communicable diseases (NCDs) 2013-2017 in South Africa*. MVoeding, 2019. 110 pp. Studieleier: KOEN N. Medestudieleier: SIGGE GO.

MUASYA BJM. *Determinants of infant feeding practices among infants 6-23 months of age in East Pokot sub-district, Kenya*. MVoeding, 2019. 96 pp. Studieleier: DU PLESSIS LM. Medestudieleier: AMUNGA DPA.

RÖHRS SH. *Field-testing of the revised Peadiatric Food-Based Dietary Guidelines among mothers/caregivers of children aged 3-5 years in the Western Cape Province, South Africa.* MVoeding, 2019. 175 pp. Studieleier: DU PLESSIS LM.

SLAZUS C. *Use of a mobile health application in wellness: an assessment of needs, perceptions, usability and efficacy in changing dietary choices in a university student population.* MVoeding, 2019. 118 pp. Studieleier: EBRAHIM Z. Medestudieleier: KOEN N.

WILSON J. *Plasma glutamine concentration among critically ill children.* MVoeding, 2019. 123 pp. Studieleier: BLAAUW R. Medestudieleier: MORROW BM.

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