Table of Contents

Southern African Journal of HIV Medicine

ISSN: 1608-9693 (print) | ISSN: 2078-6751 (online)

Vol 20, No 1 (2019)

Editorial

David C. Spencer

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1037 | 02 December 2019

EDITOR'S CHOICE

Southern African HIV Clinicians Society guideline for the prevention, diagnosis and management of cryptococcal disease among HIV-infected persons: 2019 update

Nelesh P. Govender, Graeme Meintjes, Phetho Mangena, Jeremy Nel, Samantha Potgieter, Denasha Reddy, Helena Rabie, Douglas Wilson, John Black, David Boulware, Tom Boyles, Tom Chiller, Halima Dawood, Sipho Dlamini, Thomas S. Harrison, Prudence Ive, Joseph Jarvis, Alan Karstaedt, Matamela C. Madua, Colin Menezes, Mahomed-Yunus S. Moosa, Zaaheera Motlekar, Amir Shroufi, Sarah Lynn Stacey, Merika Tsitsi, Gilles van Cutsem, Ebrahim Variava, Michelle Venter, Rachel Wake Southern African Journal of HIV Medicine | Vol 20, No 1 | a1030 | 08 November 2019

Guideline

EDITOR'S CHOICE

Palliative care guidelines for the management of HIV-infected people in South Africa

David C. Spencer, René Krause, Theresa Rossouw, Mahomed-Yunus S. Moosa, Selma Browde, Esnath Maramba, Lauren Jankelowitz, Muhangwi B. Mulaudzi, Mpho Ratishikana-Moloko, Oluwarotimi F. Modupe, Adam Mahomed

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1013 | 13 December 2019

Review Article

EDITOR'S CHOICE 49

Loss to follow-up from antiretroviral therapy clinics: A systematic review and meta-analysis of published studies in South Africa from 2011 to 2015

Samantha Kaplan, Katleho S. Nteso, Nathan Ford, Andrew Boulle, Graeme Meinties

Southern African Journal of HIV Medicine | Vol 20, No 1 | a984 | 18 December 2019

Opinion Paper

EDITOR'S CHOICE

The role of rilpivirine in Southern Africa

Michelle A. Moorhouse, Karen Cohen

Southern African Journal of HIV Medicine | Vol 20, No 1 | a825 | 29 May 2019

Opinion Paper

EDITOR'S CHOICE

Current perspectives on paediatric HIV management from the Mexico International Aids Society Conference, 2019

Mohendran Archary, Lee Fairlie, Amy Slogrove

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1027 | 31 October 2019

Case Report

Cutaneous tuberculosis in HIV-infected individuals: Lessons learnt from a case series

Vhudzani Tshisevhe, Nontombi Mbelle, Remco P.H. Peters Southern African Journal of HIV Medicine | Vol 20, No 1 | a895 | 12 March 2019

Case Report

A case report of untreatable HIV infection in Harare, Zimbabwe

Cleophas Chimbetete, Linda Chirimuta, Margaret Pascoe, Olivia Keiser Southern African Journal of HIV Medicine | Vol 20, No 1 | a885 | 27 June 2019

Case Report

78

Rapid emergence of resistance to antiretroviral treatment after undisclosed prior exposure: A case report

Theresa M. Rossouw, Gisela van Dyk, Gert van Zyl Southern African Journal of HIV Medicine | Vol 20, No 1 | a965 | 30 July 2019

Case Report

EDITOR'S CHOICE

An unusual case of abdominal mycobacterial infection: Case report and literature review

Pieter Ekermans, Rene de Gama, Celeste Kock, Ehrahim Hoosien, Tomas Slavik, Terry Marshall, Craig Corcoran, Jakko van Ingen Southern African Journal of HIV Medicine | Vol 20, No 1 | a993 | 28 August 2019

Case Report

87

Emtricitabine-induced pure red cell aplasia

Nithendra Manickchund, Camille du Plessis, Melanie-Anne A. John, Thandekile C. Manzini, Bernadett I. Gosnell, Richard J. Lessells,

Southern African Journal of HIV Medicine | Vol 20, No 1 | a983 | 23 September 2019

Epidemiology and Prevention

Original Research

EDITOR'S CHOICE

Targeted mentoring for human immunodeficiency virus programme support in South Africa

Geoffrey Jobson, Moyahabo Mabitsi, Jean Railton, Cornelis J. Grobbelaar, James A. McIntyre, Helen E. Struthers, Remco P.H. Peters

Southern African Journal of HIV Medicine | Vol 20, No 1 | a873 | 14 February 2019

Original Research

96

Knowledge about male circumcision and perception of risk for HIV among youth in Harare, Zimbabwe

Kudzaishe Mangombe, Ishmael Kalule-Sabiti

Southern African Journal of HIV Medicine | Vol 20, No 1 | a855 | 30 April 2019

Original Research

105

'We must treat them like all the other people': Evaluating the Integrated Key Populations Sensitivity Training Programme for Healthcare Workers in South Africa

Zoe Duby, Francisco Fong-Jaen, Busisiwe Nkosi, Benjamin Brown, Andrew Scheibe

Southern African Journal of HIV Medicine | Vol 20, No 1 | a909 | 30 April 2019

Original Research

Sexual behaviours, awareness and perceptions towards voluntary medical male circumcision among students in Dr Kenneth Kaunda District, South Africa

Sam Mndzebele, Lebogang G. Matonyane

Southern African Journal of HIV Medicine | Vol 20, No 1 | a846 | 22 May 2019

Original Research

118

Cognitive and behavioural determinants of multiple sexual partnerships and condom use in South Africa: Results of a national survey

Patience G. Manjengwa, Kerry Mangold, Alfred Musekiwa, Lazarus R. Kuonza Southern African Journal of HIV Medicine | Vol 20, No 1 | a868 | 10 June 2019

Original Research

Outcomes of patients enrolled in an antiretroviral adherence club with recent viral suppression after experiencing elevated viral loads

Joseph Sharp, Lynne Wilkinson, Vivian Cox, Carol Cragg, Gilles van Cutsem, Anna Grimsrud

Southern African Journal of HIV Medicine | Vol 20, No 1 | a905 | 11 June 2019

Original Research

134

A cross-sectional study of the factors associated with male circumcision status among college youth in Ndola, Zambia, 2016

Ernest Kateule, Ramya Kumar, David Mwakazanga, Modest Mulenga, Victor Daka, Gershom Chongwe

Southern African Journal of HIV Medicine | Vol 20, No 1 | a952 | 20 June 2019

Original Research

EDITOR'S CHOICE 141

Self-reported risky sexual practices among adolescents and young adults in Botswana

Unoda Chakalisa, Kathleen Wirth, Kara Bennett, Etienne Kadima, Kutlo Manyake, Tendani Gaolathe, Pam Bachanas, Tafireyi Marukutira, Refeletswe Lebelonyane, Scott Dryden-Peterson, Lisa Butler, Mompati Mmalane, Joseph Makhema, Michelle E. Roland, Molly Pretorius-Holme, Max Essex, Shahin Lockman, Kathleen M. Powis

Southern African Journal of HIV Medicine | Vol 20, No 1 | a899 | 26 June 2019

Original Research

149

'At this [adherence] club, we are a family now': A realist theory-testing case study of the antiretroviral treatment adherence club, South Africa

Ferdinand C. Mukumbang, Brian van Wyk, Sara Van Belle, Bruno Marchal Southern African Journal of HIV Medicine | Vol 20, No 1 | a922 | 26 June 2019

Original Research

163

Evaluation of a health system intervention to improve virological management in an antiretroviral programme at a municipal clinic in central Durban

Christie M. Cloete, Jane Hampton, Terusha Chetty, Thando Ngomane, Elizabeth Spooner, Linda M.G. Zako, Shabashini Reddy, Tarylee Reddy, Nozipho Luthuli, Hope Ngobese, Gita Ramjee, Anna Coutsoudis, Photini Kiepiela

Southern African Journal of HIV Medicine | Vol 20, No 1 | a985 | 26 September 2019

Original Research

171

Acceptability of short text messages to support treatment adherence among adolescents living with HIV in a rural and urban clinic in KwaZulu-Natal

Mthokozisi A. Cele, Moherndran Archary

Southern African Journal of HIV Medicine | Vol 20, No 1 | a976 | 03 October 2019

Original Research

177

Challenges to HIV treatment adherence amongst adolescents in a low socio-economic setting in Cape Town

Brian E. van Wvk. Lee-Ann C. Davids

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1002 | 28 October 2019

Original Research

184

Knowledge and perceptions of male immigrants in Leeds (UK) towards male circumcision as an HIV prevention strategy

Catherine Atuhaire, Kabanda Taseera, Chris Spoor, Rosaline Y. Cumber, Samuel N. Cumber

Southern African Journal of HIV Medicine | Vol 20, No 1 | a823 | 31 October 2019

Basic Science (Microbiology)

Original Research

EDITOR'S CHOICE 190

False rifampicin resistant results using Xpert MTB/RIF on urine samples in hospitalised HIV-infected patients

Charlotte Schutz, Amy Ward, Rosie Burton, Mark P. Nicol, Liz Blumenthal, Graeme Meintjes, Andrew D. Kerkhoff

Southern African Journal of HIV Medicine | Vol 20, No 1 | a978 | 28 August 2019

Clinical HIV and Antiretroviral Therapy (ART)

Original Research

200

HIV status and mortality of surgical inpatients in rural Zimbabwe: A retrospective chart review

Pascal Migaud, Michael Silverman, Paul Thistle Southern African Journal of HIV Medicine | Vol 20, No 1 | a812 | 24 January 2019

Original Research

206

HIV-associated cavernous sinus disease

Cait-lynn D. Wells, Anand A. Moodley Southern African Journal of HIV Medicine | Vol 20, No 1 | a862 | 20 March 2019

Original Research

213

Comparison of non-invasive methods of assessing liver fibrosis in combination ART-experienced Zimbabweans

Brenda Nherera, Kudakwashe Mhandire, Tinashe K. Nyazika, Alfred Makura, Cuthbert Musarurwa, Prichard T. Mapondera, Babill Stray-Pedersen, Hilda T. Matarira

Southern African Journal of HIV Medicine | Vol 20, No 1 | a844 | 11 April 2019

Original Research

219

Correlation of hair and plasma efavirenz concentrations in **HIV-positive South Africans**

Jenna Johnston, Lubbe Wiesner, Peter Smith, Gary Maartens, Catherine Orrell Southern African Journal of HIV Medicine | Vol 20, No 1 | a881 | 29 April 2019

Original Research

EDITOR'S CHOICE 225

Occupational blood and body fluid exposures and human immunodeficiency virus post-exposure prophylaxis amongst intern doctors

Sunday J. Aigbodion, Feroza Motara, Abdullah E. Laher Southern African Journal of HIV Medicine | Vol 20, No 1 | a958 | 22 May 2019

Original Research

Virologic and immunologic responses of patients on highly active antiretroviral therapy in a rural community health centre in Limpopo, South Africa: A retrospective study

Aniekan Edet, Henry Akinsola, Pascal O. Bessong Southern African Journal of HIV Medicine | Vol 20, No 1 | a818 | 22 May 2019

Original Research

238

Tonsil histopathology in HIV-infected versus HIV-uninfected adults

Ridwaan Essa, Shivesh Maharaj, Kapila Hari, Shahpar Motakef Southern African Journal of HIV Medicine | Vol 20, No 1 | a936 | 28 May 2019

Original Research

243

Factors influencing the confidence and knowledge of nurses prescribing antiretroviral treatment in a rural and urban district in the Western Cape province

Deborah J. Solomons, Anita S. van der Merwe, Tonya M. Esterhuizen, Talitha Crowley

Southern African Journal of HIV Medicine | Vol 20, No 1 | a923 | 02 July 2019

Original Research

250

Outcomes of Stevens-Johnson syndrome and toxic epidermal necrolysis in HIV-infected patients when using systemic steroids and/or intravenous immunoglobulins in Pietermaritzburg, South Africa

Antoinette V. Chateau, Ncoza C. Dlova, Halima Dawood, Colleen Aldous Southern African Journal of HIV Medicine | Vol 20, No 1 | a944 | 04 July 2019

Original Research

258

Switching at Low HIV-1 RNA into Fixed Dose Combinations: TDF/FTC/RPV is non-inferior to TDF/FTC/EFV in first-line suppressed patients living with HIV

Paula Munderi, Edwin Were, Anchalee Avihingsanon, Pascale A.M. Mbida, Lerato Mohapi, Samba B. Moussa, Marjolein Jansen, Ceyhun Bicer, Perry Mohammed, Yvon van Delft

Southern African Journal of HIV Medicine | Vol 20, No 1 | a949 | 23 July 2019

Original Research

EDITOR'S CHOICE

Baseline CD4 and mortality trends in the South African human immunodeficiency virus programme: Analysis of routine data

Rivka R. Lilian, Kate Rees, Moyahabo Mabitsi, James A. McIntyre, Helen E. Struthers, Remco P.H. Peters

Southern African Journal of HIV Medicine | Vol 20, No 1 | a963 | 24 July 2019

Original Research

A descriptive analysis of the role of a WhatsApp clinical discussion group as a forum for continuing medical education in the management of complicated HIV and TB clinical cases in a group of doctors in the Eastern Cape, South Africa

Joana Woods, Michelle Moorhouse, Lucia Knight

Southern African Journal of HIV Medicine | Vol 20, No 1 | a982 | 01 August 2019

Original Research

Associations of visceral fat thickness and anthropometric measurements with non-alcoholic fatty liver disease development in male patients mono-infected with human immunodeficiency virus

Miloš Vujanović, Nina Brkić-Jovanović, Dalibor Ilić, Zorka Drvendžija, Biljana Srdić-Galić, Vesna Turkulov, Snežana Brkić, Daniela Marić Southern African Journal of HIV Medicine | Vol 20, No 1 | a968 | 07 August 2019

Original Research

Measles in adults: A comparison of hospitalised HIV-infected and HIV-uninfected patients

Nina E. Diana. Charles Feldman

Southern African Journal of HIV Medicine | Vol 20, No 1 | a877 | 13 August 2019

Original Research

Unexpected low frequency of respiratory symptoms in an HIV-positive urban sub-Saharan population compared to an HIV-negative control group

Maren Kummerow, Erica J. Shaddock, Kerstin Klipstein-Grobusch, Roos B. Barth, Diederick E. Grobbee, Francois D.F. Venter, Charles Feldman, Alinda Vos

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1010 | 26 September 2019

Original Research

305

The diagnostic utility of bone marrow examination in an infectious disease ward

Nirvana Bharuthram, Charles Feldman

Southern African Journal of HIV Medicine | Vol 20, No 1 | a974 | 30 September 2019

Original Research

312

Motor lumbosacral radiculopathy in HIV-infected patients

Kaminie Moodley, Pierre L.A. Bill, Vinod B. Patel

Southern African Journal of HIV Medicine | Vol 20, No 1 | a992 | 28 October 2019

Original Research

318

Breast abnormalities in adolescents receiving antiretroviral therapy

Jackie L. Dunlop, Wiedaad Slemming, Kathryn Schnippel, Caroline Makura, Leon J. Levin, Sarah Rayne, Marnie Vujovic, Cynthia Firnhaber

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1017 | 06 November 2019

Paediatric HIV

Original Research

325

Peripartum HIV infection in very low birth weight infants fed 'raw' mother's own milk

Melantha Coetzee, Suzanne D. Delport

Southern African Journal of HIV Medicine | Vol 20, No 1 | a912 | 19 June 2019

Original Research

332

HIV testing at birth: Are we getting it right?

Chanté Bisschoff, Jasmine Coulon, Ziva Isaacs, Lavinia van der Linde, Linley Wilson, Riana van Zyl, Gina Joubert

Southern African Journal of HIV Medicine | Vol 20, No 1 | a951 | 27 June 2019

Original Research

337

Adherence to combination antiretroviral therapy among orphaned children in Dar es Salaam, Tanzania

Sabina F. Mugusi, Nassoro Mopei, Omary Minzi

Southern African Journal of HIV Medicine | Vol 20, No 1 | a954 | 06 August 2019

Original Research

EDITOR'S CHOICE 345

Disclosure of human immunodeficiency virus status to children in South Africa: A comprehensive analysis

Sabine L. van Elsland, Remco P.H. Peters, Cornelis Grobbelaar, Patiswa Ketelo, Maarten O. Kok, Mark F. Cotton, A. Marceline van Furth Southern African Journal of HIV Medicine | Vol 20, No 1 | a884 | 22 August 2019

Original Research

355

Birth outcomes following antiretroviral exposure during pregnancy: Initial results from a pregnancy exposure registry in South Africa

Ushma C. Mehta, Cari van Schalkwyk, Prineetha Naidoo, Arthi Ramkissoon, Otty Mhlongo, Niren R. Maharaj, Niree Naidoo, Karen Fieggen, Michael F. Urban, Shaun Krog, Alex Welte, Mukesh Dheda, Yogan Pillay, Neil F. Moran Southern African Journal of HIV Medicine | Vol 20, No 1 | a971 | 30 September 2019

Original Research

367

Neurodevelopment at 11 months after starting antiretroviral therapy within 3 weeks of life

Barbara Laughton, Shalena Naidoo, Els F.M.T. Dobbels, Michael J. Boivin, Anita Janse van Rensburg, Richard H. Glashoff, Gert U. van Zyl, Mariana Kruger, Mark F. Cotton

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1008 | 30 October 2019

Female and Maternal HIV

Original Research

375

Sexually transmitted infections, the silent partner in HIV-infected women in Zimbabwe

Sara Lowe, Tinashe Mudzviti, Ardele Mandiriri, Tinei Shamu, Petronella Mudhokwani, Cleophas Chimbetete, Ruedi Luethy, Margaret Pascoe
Southern African Journal of HIV Medicine | Vol 20, No 1 | a849 | 23 January 2019

Original Research

381

HIV viraemia during pregnancy in women receiving preconception antiretroviral therapy in KwaDukuza, KwaZulu-Natal

Vuyokazi Ntlantsana, Richard J. Hift, Wendy P. Mphatswe Southern African Journal of HIV Medicine | Vol 20, No 1 | a847 | 10 April 2019

Original Research

389

Vaginal practices among women at risk for HIV acquisition in Soweto, South Africa

Erica Lazarus, Kennedy Otwombe, Janan Dietrich, Michele P. Andrasik, Cecilia A. Morgan, James G. Kublin, Glenda E. Gray, Abby J. Isaacs, Fatima Laher

Southern African Journal of HIV Medicine \mid Vol 20, No 1 \mid a866 \mid 20 June 2019

Reviewer Acknowledgement

396

Southern African Journal of HIV Medicine | Vol 20, No 1 | a1050 | 12 December 2019