Table of Contents

African Vision and Eye Health

Vol 77, No 1 (2018)

Original Research

Comparing the validity of an online Ishihara colour vision test to the traditional Ishihara handbook in a South African university population Diane van Staden, Fatima Noor Mahomed, Sershni Govender, Lunga

Lengisi, Benita Singh, Osman Aboobaker

African Vision and Eye Health | Vol 77, No 1 | a370 | 21 February 2018

Original Research

Are optometrists necessary in primary health care centres in Saudi Arabia?

Yousef H. Aldebasi, Mohammad I. Ahmed, William A. Monaco African Vision and Eye Health | Vol 77, No 1 | a402 | 26 February 2018

Original Research

Stereoacuity and refractive, accommodative and vergence anomalies of South African school children, aged 13-18 years

Sam O. Wajuihian, Rekha Hansraj

African Vision and Eye Health | Vol 77, No 1 | a400 | 19 March 2018

Original Research

23

29

37

44

53

62

5

15

Repeatability of macular thickness measurements with the iVue-100 optical coherence tomographer

Nishanee Rampersad, Rekha Hansraj

African Vision and Eye Health | Vol 77, No 1 | a413 | 26 March 2018

Original Research

Retinal nerve fibre layer and ganglion cell complex thickness in patients with keratoconus

Prianka Cuppusamy, Nokwanda Makhanya, Mbekezeli Methula, Kausar M. Essop, Duduzile Sibisi, Naseera Wohabally, Nonkululeko Gcabashe, Nishanee Rampersad African Vision and Eye Health | Vol 77, No 1 | a417 | 28 March 2018

Original Research

Attitudes and perceptions of Sudanese high-school students and their parents towards spectacle wear

Saif H. Alrasheed, Kovin S. Naidoo, Peter C. Clarke-Farr

African Vision and Eye Health | Vol 77, No 1 | a392 | 11 April 2018

Original Research

An evaluation of the public sector optometric service provided within the health districts in KwaZulu-Natal, South Africa

Moraka E. Maake, Vanessa R. Moodley

African Vision and Eye Health | Vol 77, No 1 | a407 | 17 April 2018

Original Research

Prevalence of heterophoria and its association with near fusional vergence ranges and refractive errors

Sam Otabor Wajuihian

African Vision and Eye Health | Vol 77, No 1 | a420 | 31 May 2018

Original Research

A comparative analysis of the postural and diurnal ocular perfusion pressure of young healthy individuals of different ethnicities

Alvin J. Munsamy, Kelisha Gopaul, Kimesha Perumaul, Muhammad M. Moosa, Luvuyo Bidla, Twapewa L. Shaetonhodi, Bongeka Vilakazi

African Vision and Eye Health | Vol 77, No 1 | a427 | 14 June 2018

Original Research

Vision-specific and psychosocial impacts of low vision among patients with low vision at the eastern regional Low Vision Centre Beatrice Adamptey, Kovin S. Naidoo, Pirindhavellie Govender African Vision and Eye Health | Vol 77, No 1 | a401 | 18 June 2018

ISSN: 2413-3183 (print) | ISSN: 2410-1516 (online)

Original Research

Profile of refractive error in Ekiti, south western Nigeria

Iyiade A. Ajayi, Olusola J. Omotoye, Olubunmi Omotoso-Olagoke African Vision and Eye Health | Vol 77, No 1 | a415 | 21 June 2018

Original Research

Comparison of the amplitude of accommodation determined

subjectively and objectively in South African university students

Solani D. Mathebula, Mologadi D. Ntsoane, Nkalebetja T. Makgaba, Khensani L. Landela

African Vision and Eye Health | Vol 77, No 1 | a437 | 30 July 2018

Original Research

Chromatic properties of astigmatic eyes

Tanya Evans, William F. Harris African Vision and Eye Health | Vol 77, No 1 | a435 | 31 July 2018

Original Research

Refractive error and visual impairment in primary school children in Onitsha, Anambra State, Nigeria

Ngozika E. Ezinne, Khathutshelo P. Mashige African Vision and Eye Health | Vol 77, No 1 | a455 | 11 September 2018

Original Research

Knowledge, attitudes and self-care practices of patients with glaucoma in uThungulu in KwaZulu-Natal

Aita V. Aghedo, Boikhutso Tlou, Saajida Mahomed

African Vision and Eye Health | Vol 77, No 1 | a442 | 13 September 2018

Original Research

Oscillatory thresholds and foveal and macular thickness using coherence tomography

Amy Humphreys, Alan Rubin

African Vision and Eye Health | Vol 77, No 1 | a448 | 04 October 2018

Original Research

Eye health knowledge and health-seeking behaviours in Ghana

Anthony Ofosu, Ivy Osei, Maria Hagan, Leticia Biekro, Albert K. Awedoba African Vision and Eye Health | Vol 77, No 1 | a426 | 09 October 2018

Review Article

A review of visual impairment

Shivani Naipal, Nishanee Rampersad

African Vision and Eye Health | Vol 77, No 1 | a393 | 26 January 2018

Review Article

Biochemical changes in diabetic retinopathy triggered by hyperglycaemia: A review

Solani D. Mathebula

African Vision and Eye Health | Vol 77, No 1 | a439 | 23 April 2018

90

70

75

80

98

106

112



132

136



143

150

155

165

Review Article

Emerging technologies in artificial ocular devices: A systematic review Razaan Gamieldien, Lisa Stemmet, Jasmita Javer, Elrencia Fortuin, Peter C. Clarke-Farr

African Vision and Eye Health | Vol 77, No 1 | a428 | 29 August 2018

Review Article

Biomarkers as a predictor for diabetic retinopathy risk and management: A review

Kevin C. Phillips, Peter C. Clarke-Farr, Tandi E. Matsha, David Meyer African Vision and Eye Health | Vol 77, No 1 | a430 | 30 August 2018

Review Article

Review of school vision screening guidelines

Ingrid T. Metsing, Rekha Hansraj, Wanda Jacobs, Elsabe W. Nel African Vision and Eye Health | Vol 77, No 1 | a444 | 22 October 2018

Review Article

A review of vision screening methods for children

Ingrid T. Metsing, Wanda Jacobs, Rekha Hansraj African Vision and Eye Health | Vol 77, No 1 | a446 | 21 November 2018

Case Report

175

Ethambutol toxic optic neuropathy: A case report and review

Kevin C. Phillips, Peter C. Clarke-Farr

African Vision and Eye Health | Vol 77, No 1 | a419 | 17 May 2018

Case Report

Tuberculosis manifested as Parinaud's oculoglandular syndrome

Ngaatendwe Mataswa, Rangarirai Masanganise

African Vision and Eye Health | Vol 77, No 1 | a423 | 21 June 2018

Case Report

Jod-Basedow phenomenon: Reactivation of thyroid eye disease after contrast computed tomography

Roland Hollhumer, Francesca Indiveri

African Vision and Eye Health | Vol 77, No 1 | a436 | 12 September 2018

Case Report

Professional collaboration for vision and healthcare in Cameroon Marvice Okwen, Josiane Signe, Soh M. Macpella, Louis Mbibeh,

Lynn Cockburn African Vision and Eye Health | Vol 77, No 1 | a434 | 29 November 2018

Technological, Research or Short Note

Addition of optional sign language in optometry schools for improved eye care for the deaf

Joas Ramaja

African Vision and Eye Health | Vol 77, No 1 | a453 | 10 October 2018

Reviewer Acknowledgement

African Vision and Eye Health | Vol 77, No 1 | a488 | 29 November 2018

178

182

185

195

198