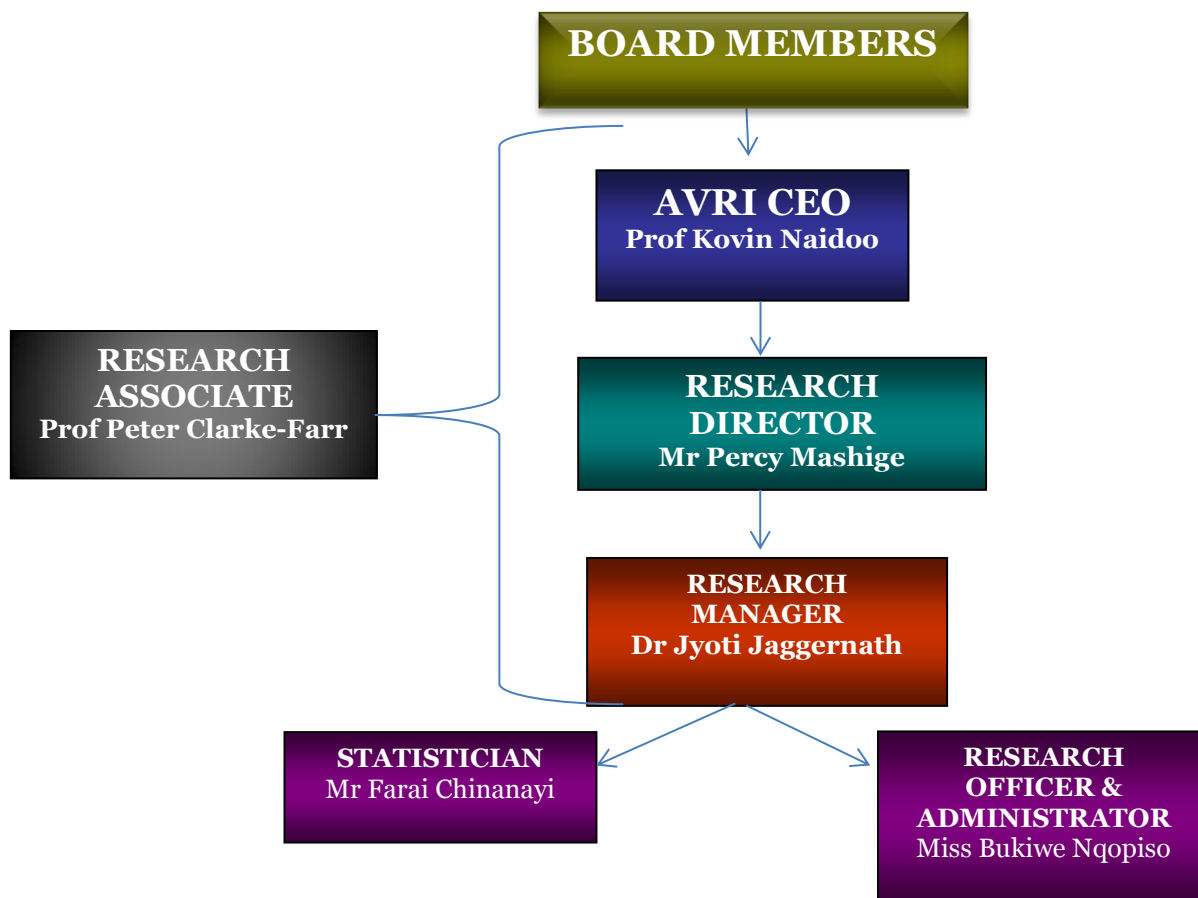




RESEARCH UPDATE

JULY 2013 – JANUARY 2014

1. AVRI Structure



Board Members

1. Dr Hannah Faal (Chair Person)
2. Mr Ronnie Graham (Director)
3. Prof Kovin Naidoo (CEO)
4. Prof Brien Holden
5. Dr Daniel Etya'ale
6. Mr Percy Mashige
7. Prof Adenike Abiose

Observers

1. Prof Urmilla Bob (Dean of Research: University of KwaZulu-Natal [UKZN])
2. Mrs Petronella Nichols (Brien Holden Vision Institute); (AVRI Director)

Staff Members

1. CEO: Prof. Kovin Naidoo
2. Research Director (Brien Holden Vision Institute Fellow): Mr Percy Mashige
3. Research Manager: Dr. Jyoti Jaggernath
4. Research Officer & Administrator: Miss Bukiwe Nqopiso
5. Brien Holden Vision Institute Fellow – Mr Farai Chinanayi

Research Associate

1. Prof Peter Clarke-Farr

2. Research Projects

Location	Research	Collaborators	
East Africa	SIB: Child Eye Health Research in Uganda, Kenya, Tanzania	EACO	On-going
West Africa	Nigeria post Cataract Outcome Study	Tulsiraj Foundation	80% complete
Southern Africa	An evaluation of the Moorfields Motion Displacement Test (MDT) in detecting glaucoma and it's suitability in the developing world	Dublin Institute of Technology, Sightsavers	Second phase
	Near Vision Spectacle Provision & Work Productivity	Brien Holden Vision Institute, Sightsavers	80% complete
	Poverty and Eye Health Study	ORBIS, Brien Holden Vision Institute	Second phase
	Cataract Prevalence & Impact Study	National Cataract Coalition	On-going
Sub-Saharan Africa	Mapping Human Resources for Eye Health in Sub-Saharan Africa	London School of Hygiene and Tropical Medicine	Completed Nov 2013
	Mapping Research Capacity and Resources for Eye health research in Sub-Saharan Africa	Sightsavers	On-going

3. Research Workshops

1. Training Workshops

- **India: July 2013: AMITY University (Haryana) - Research Methodology:**
Research methodology workshops conducted by AVRI have attracted postgraduate students, clinicians, eye care managers and government officials (national eye care coordinators) in India.
- **Ghana: Advanced Statistics** - Postposed to early 2014

4. Honorary Research Fellows

Name	Position
Renewed Appointments	
Prof Peter Clarke-Farr	South Africa (Cape Peninsula University of Technology)
Dr James Loughman	Ireland (Dublin Institute of Technology)
Dr Parikshit Gogate	Bharati Vidyapeeth Medical College & School of Optometry, Pune, India
Dr Angela Amedo	Department of Optometry at the Kwame Nkrumah University of Science and Technology in Ghana
Dr Wanjiku Mathenge	East Africa (Fred Hollows Foundation)
Dr Joseph Oye	IAPB Central Africa (IAPB/ SSI)
Dr Stephen Gichuhi	Kenya (University of Nairobi)
Dr Gillian Cochrane	PhD - University of Melbourne, Centre for Eye Research Australia
Dr Andreas Mueller	World Health Organization
Approved Submissions	
Dr Elena Schmit	Sightsavers Research Director
Dr Muhammad Mansur Rabiou	Technical Advisor at the EMR –IAPB, Riyadh, Saudi Arabia; and a Director of Programs at IMPACT-EMR and PBU.
Dr Elizabeth Osim Elhassan	Sightsavers: Regional Director - West African region
Prof Jill Keefe	Centre for Eye Research Australia
Dr David Wilson	Brien Holden Vision Institute Research Manager (Sydney)
Ravikanth Metlapally	University of California: Clinical Scientist
Sangeetha Metlapally	University of California: Clinical Scientist

5. Postgraduate Students

Masters: 14

Student	Country	Supervisor	Co-Supervisor	Topic	Status
Yashika Inderjeet	South Africa	Prof Kovin Naidoo	Prof Urmilla Bob	An evaluation of Current Approaches to Addressing Refractive Error on Learners Attending Mainstream Primary Schools in KwaZulu-Natal	Data analysis
Zaheera Abdool	South Africa	Prof Kovin Naidoo	Dr Linda Visser	Development and Evaluation of a Team Approach to Preventing, Detecting and Referring Diabetic Retinopathy in a District Health System	1 st Draft thesis completed
Sindi Mthethwa	South Africa	Prof Kovin Naidoo		Identifying the Barriers to Meeting the Cataract Surgery Rate Targets in KwaZulu-Natal	Received approval
France Nxumalo	South Africa	Dr Anna Voca	Prof Kovin Naidoo	Knowledge, Attitudes, Beliefs and Practices of Refractive Error by School going children of the Inanda, Ntuzuma and KwaMashu areas in Durban, KwaZulu-Natal	Data collected & analysed
Prasidh Ramson	South Africa	Prof Kovin Naidoo		Recruitment and Retention of Optometrists in the Public Sector in South Africa	Data collection.
Kajal Shah	Ireland	Dr James Loughman	Prof Kovin Naidoo	Evaluation of refraction competencies existing and new personnel in Mozambique	
Emmanuel Owusu	Ghana	Mr Percy Mashige	Ms Diane Wallace	Knowledge of Significant Others of Glaucoma Patients on Glaucoma	Finalising protocol. Follow up with Owusu
Kenneth Adjah	Ghana	Ms Pirindhavellie Govender	Ms Nishanee Rampersad	Compliance among Glaucoma patients in Ghana	Finalising protocol. Follow up with Kenneth
Clement Afari	Ghana	Prof Kovin Naidoo	Dr Angela Amedo	Contribution of refractive errors to visual impairment in Ashanti region, Ghana	Finalising protocol. Follow up with clement on the status of BREC application

Emmanuel Tawaiah Nartey	Ghana	Dr Amedo	Mrs Diane Wallace Van-Staden	Ocular morbidities among primary school children in Ashaiman Municipal, Greater Accra Region, Ghana	Proposal completed and submitted to ethics BREC. September. Follow up.
Dinesh Kaphle	Malawi	Prof Kovin Naidoo	Mr Percy Mashige	Impact of visual impairment due to refractive error on quality of life in adults in Lilongwe, Malawi	Applied to BREC.
Samuel Kusi	Ghana	Dr Rekha Hansraj	Mr Percy Mashige	Ocular health and Safety Assessment of Cocoa Farmers in Ghana	Awaiting ethical clearance from the Ghana health service to help obtain full ethical clearance from BREC- UKZN (BREC has given provisional approval). Follow on status of BREC application.
Veli Sukati		Prof Kovin Naidoo	Mr Percy Mashige	Refractive Error and Visual Impairment in school children in Swaziland	Follow up on status of proposal with Veli.
Percy Boateng Ampeh	Ghana	Ms Diane Van Staden			UKZN application pending. Follow up with Phindile @ UKZN

PhD's: 10

Student	Country	Supervisor	Co-Supervisor	Topic	Status
Diane Wallace	South Africa	Dr J Loughman	Prof Kovin Naidoo	An Evaluation of Implementation Methods Adopted in the Development of a Regional School of Optometry in Mozambique: Lessons for Expansion of the Model	Protocol

Vanessa Moodley	South Africa	Prof Kovin Naidoo	Dr James Loughman	Development of a Framework for the Recruitment, Retention and Legislative Support of a Regional Multiple Entry and Exit Optometry Programme	Protocol
Percy Mashige	South Africa	Prof O A Oduntan	Prof Kovin Naidoo	An Analysis of Productivity Loss due to Visual Impairment (tentative)	Preparing protocol
Stephen Thompson	England	Prof Geoff Harris	Dr James Loughman / Prof Kovin Naidoo	An Economic Evaluation Of The Impact Of Refractive Error In Nampula, Mozambique	Reviewing literature
Aoife Phelan	Ireland	Dr James Loughman	Prof Kovin Naidoo / Dr Lisa O'Donoghue / Dr Kathryn Saunders	Development of a National Child Eyecare Strategy for Mozambique	Research started
Bernadine Nsa Ekpenyong	Nigeria			Assessment of eye health status of school age children in Cross River State , Nigeria	Follow up on status of proposal.
Geoffrey Wabulembo	Uganda	Prof Kovin Naidoo	Dr Elena Schmit	Developing a human resource strategy for Uganda for Eye Health	Registration finalised. Follow up finalising proposal
Emilenne Epee	Cameroon			Impact of refractive error on school children	
Emmanuel Okenwa	Nigeria / Kenya	Prof Peter Clarke-Farr	Dr Jyoti Jaggernath	Prevalence of Childhood Visual Impairment and Barriers to the Uptake of Refractive Error and Low Vision Services among School-Aged Children of Kakamega County, West Kenya	Registration Finalised. Proposal under review by Prof Clarke-Farr
Saif Alrasheed	Sudan	Prof Peter Clarke-Farr	Prof Kovin Naidoo	Prevalence of visual impairment and development of a child eye care plan in South Darfur State of Sudan.	Registration Finalised. Proposal under review by Prof Clarke-Farr

Students going through UKZN Registration: 6

Student	Country	Degree	Topic	Status
Christopher Onunkwor	Nigeria	PhD	Cost effectiveness of screening for diabetic retinopathy	Application being considered in Dept. of Ophthalmology
Mohammed Aliyu	Nigeria	PhD		Completing UKZN Application form. Follow up with Mohammed
Sylvester Kyeremeh	Ghana		Low Vision Services in Ghana: the Availability and Accessibility as Emphasis	Waiting for SAQA certificate to be posted / UKZN Application
Elizabeth Akpaki	Ghana		Visual impairment among primary school children in the Berekum Municipal, Brong Ahafo Region, Ghana.	Waiting for SAQA certificate to be posted / UKZN Application
Amassagou Dougnon	Mali			SAQA sent certificate to Mali.
Dorcas Waindim	Cameroon	PhD		Waiting for SAQA application form from Dorcas. Follow up with SAQA on 10.12.2013

SAQA: 1

Student	Country	Degree	Topic	Status
Anne Ebri	Nigeria	PhD	Evaluating the impact of vision centres in Nigeria	SAQA needs an original transcript. Anne is having a problem getting it from the University in Nigeria. Original transcripts sent to SAQA.

New Inquiries: 6

Student	Country	Topic
Sami Uddin	Pakistan	Visual outcomes of low vision aids prescribed commonly in eye OPD of Hayat Abad medical Complex, Peshawer Khyber Pakhtunkhwa
Siraj Khan Safi	Pakistan	Current practice of Amblyopia management in Peshawar, Khyber Pakhtunkhwa
Azmat Jehan	Pakistan	Effect of dry eyes on visual acuity of patients above 50 years in eye unit at Hayatabad medical complex Peshawar KPK.
Zahid Hussain	Dubai	The relationship of Amblyopia and anisometropia in children of age 5-15 years attending paediatric department of Al- Ibrahim Eye Hospital, Karachi
Muhammad Hasssan	Dubai	Relationship between Central corneal thickness and axial length in adult patients presenting in Al-Ibrahim Eye health Hospital.
Eugene Coleman		Assessment of Eye Health Knowledge among Eye Clinic Attendants and Determination of Factors That Caused Attendants to Report

6. Publications

Published: 14

YEAR	AUTHOR & TITLE
2013	Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990–2010: a systematic analysis for the Global Burden of Disease Study 2010 CJL Murray, T Vos, R Lozano, M Naghavi, AD Flaxman, C Michaud, M Ezzati, K ... The Lancet 380 (9859), 2197-2223
2013	Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990–2010: a systematic analysis for the Global Burden of Disease Study 2010 T Vos, AD Flaxman, M Naghavi, R Lozano, C Michaud, M Ezzati, K Shibuya, JA ... The Lancet 380 (9859), 2163-2196
2013	Global prevalence of vision impairment and blindness: magnitude and temporal trends, 1990–2010 GA Stevens, RA White, SR Flaxman, H Price, JB Jonas, J Keeffe, J Leasher, K ... Ophthalmology 120 (12), 2377-2384
2013	Causes of vision loss worldwide, 1990–2010: a systematic analysis RRA Bourne, GA Stevens, RA White, JL Smith, SR Flaxman, H Price, JB Jonas, J ... The Lancet Global Health 1 (6), e339-e349
2013	Disability weights for vision disorders in Global Burden of Disease study HR Taylor, JB Jonas, J Keeffe, J Leasher, K Naidoo, K Pesudovs, S Resnikoff The Lancet 381 (9860), 2
2013	New Systematic Review Methodology for Visual Impairment and Blindness for the 2010 Global Burden of Disease Study R Bourne, H Price, H Taylor, J Leasher, J Keeffe, J Glanville, PC Sieving, M ... Ophthalmic epidemiology 20 (1), 33-39
2013	Scaling up the delivery of refractive error services within a district health system: the KwaZulu-Natal, South Africa experience KS Naidoo, K Naidoo, Y Maharaj, P Ramson, D Wallace, R Dabideen BMC health services research 13 (1), 361
2013	Prevalence of Refractive Error and Spectacle Coverage in Zoba Ma'ekel Eritrea: A Rapid Assessment of Refractive Error VF Chan, G Mebrahtu, P Ramson, M Wepo, KS Naidoo Ophthalmic epidemiology 20 (3), 131-137
2013	Comparison of cataract surgery techniques: safety, efficacy, and cost-effectiveness. J Jaggernath, P Gogate, V Moodley, KS Naidoo European journal of ophthalmology, 0-0
2013	Impact of Computer Experience on the Viability and Repeatability of the Moorfields Motion Displacement Test in a Developing and Underserved African Setting J Loughman, C Gonzalez Alvarez, GM Verdon-Roe, R Anderson, RA Manuel, K Naidoo Dublin Institute of Technology
2013	Considerations in the Design of an Eye Health Programme for Nampula, Mozambique A Phelan, L O'Donoghue, K Naidoo, K Saunders, J Loughman Dublin Institute of Technology
2013	Prevalence of Presbyopia and Spectacle Coverage in an African Population in Durban, South Africa. KS Naidoo, J Jaggernath, C Martin, P Govender, FS Chinanayi, VF Chan, P Ramson Optometry and vision science: official publication of the American Academy ...

2013	Refractive error and visual impairment in private school children in Ghana. BD Kumah, A Ebri, M Abdul-Kabir, AS Ahmed, NY Koomson, S Aikins, A Aikins, A ... Optometry and vision science: official publication of the American Academy ...
2013	Climate change: Impact of increased ultraviolet radiation and water changes on eye health J Jaggernath, D Haslam, KS Naidoo

Submitted: 4

1. Gogate P, Jaggernath J, Deshpande S & Kovin Naidoo. Meta-analysis to compare the safety and efficacy of manual small incision cataract surgery and phacoemulsification. *Journal of Cataract & Refractive Surgery*.
2. Jaggernath J, Overland L, Ramson P, Kovai V, Chan V, Naidoo K.S. Vision impairment, blindness and poverty: A systematic review. *Survey of Ophthalmology*.
3. Naidoo K.S, Jaggernath J, Ramson P, Chinanayi F, Zhuwau T, & Overland L. The prevalence of self-reported visual impairment/blindness in the economically disadvantaged regions of South Africa. *Health SA Gesondheid*.
4. Thite N, Gogate P, Ghai M, Jaggernath J and Kunjeer G. Adequacy and Relevance of Indian Optometry. 2013. *Ophthalmic Epidemiology*.

7. *African Vision: Optometry & Ophthalmology (AVOO) Journal*

Several meetings have been held with key people from SAOA to discuss the launch of the journal. Prof Peter Clarke-Farr is designated as the Operational Director of the Journal and Prof Alan Rubin (current editor of SAOA Journal) will remain the Editor and Chief. The African Ophthalmology Federation (AOF) is in the process of appointing an additional Editor and Chief. An agreement will be signed between all partners and a South African based publisher has been contracted, "AOSIS", to manage the journal and online publications. It is anticipated that the 1st issue of the journal will be launched in April 2014.

The Editorial Board of the current SAOA journal will remain, however, AVRI and AOF will nominate additional candidates to join the board.