SEPTEMBER 3 & 4, 2018
SURGICAL SKILLS TRAINING CENTRE
RED CROSS WAR MEMORIAL CHILDREN’S HOSPITAL
CAPE TOWN, AFRICA

We are pleased to acknowledge with gratitude our sponsor:
Knights Templar Eye Foundation, Inc.
Dear Colleagues,

On behalf of the International Pediatric Ophthalmology and Strabismus Council (IPOSC), and the Illinois Eye and Ear Infirmary at the University of Illinois at Chicago, it is our honor to welcome you to the inaugural IPOSC ROP Africa Symposium! We are pleased to have you partake in this two-day educational didactic program, accompanied by focused and hands-on workshops, inspired by our African colleagues who face an increasing number of premature infants with ROP.

Many thanks to all the members of the Program Committee, Faculty, and volunteers who have worked hard to create a dynamic Symposium. A special thank you to our sponsor, the Knights Templar Eye Foundation, Inc. (KTEF), who have graciously supported our initiative to engage select retinopathy of prematurity teams in Sub-Saharan Africa to attend the IPOSC ROP Africa Symposium.

We look forward to joining you on this mission to improve the diagnosis, management and treatment of ROP.

Warmest Regards,

Marilyn Miller, MD
Anna Ells, MD, FRCS(C)
RV Paul Chan, MD, FACS
Anthony D. N. Murray, MB ChB, FRCS, FCOphth

CONTACT
Jenny Baker, MA
Organizing Secretary
T: 312-355-4547
E: jbaker9@uic.edu
MISSION & GOALS

MISSION AND GOALS OF THE PROGRAM:

1. Bring together neonatal and ROP care specialists to work with individuals from ROP centers in Sub-Saharan Africa (SSA) and define the current and future management of ROP in SSA.

2. Advance the understanding of the pathogenesis, epidemiology and the burden of disease of ROP in SSA.

3. Support a skills transfer workshop to enhance skills in the clinical care of children at risk for developing ROP.


5. Promote awareness and advocate for ROP programs in Sub-Saharan Africa.
MEETING INFORMATION

MEETING REGISTRATION
Registration is available at go.uic.edu/iposcrop.

All registration prices include the Welcome Reception, ROP Dinner, and daily lunches and tea breaks.
- Early Bird Registration (Ends July 1) - $100.00
- General Registration (July 2 - August 31) - $150.00
- Discounted Resident Rate - $50.00

SUB-SAHARAN TRAVEL GRANT
Thanks to the generous support of the Knights Templar Eye Foundation, Inc. (KTEF), we are pleased to announce that the International Pediatric Ophthalmology and Strabismus Council (IPOSC) will be providing education grants for selected retinopathy of prematurity teams in Sub-Saharan Africa to attend the IPOSC ROP Symposium. The goal is to assist a small number of ophthalmology teams in improving the diagnosis, management and treatment of ROP and to assist with the establishment of such specialized ophthalmology teams.

CME CREDIT
No Continuing Medical Education (CME) credits are available for this meeting.

DAILY MEALS
All registered attendees will receive complimentary lunches and tea breaks.

WELCOME RECEPTION
A Welcome Reception will be held Sunday, September 2 at 6:30 pm at The Wild Fig. The reception and transportation to the venue is included in the cost of registration. Spouses or personal guest are welcome to attend at a cost of $25.

ROP GALA DINNER
The ROP Africa Gala Dinner will be held Monday, September 3 at 6:30 pm at Cattle Baron, following the day’s event. The dinner and transportation to the restaurant is included in the cost of registration. Spouses or personal guest are welcome to attend at a cost of $25.

Time to replace your retinal camera

If you’re thinking your current retinal camera is good enough, think again. We did. And we think you’ll agree the results are great, it’s time to swap out your old retinal imaging camera -with ours.

- Stunning images you can see
- Data you can trust
- Light weight cart
- 6-hour battery life
- Small enough to fit easily in a NICU

Phoenix Technology Group was founded by Bert Massie, PhD, creator of the original retinal imaging camera. We know a thing or two about ROP and imaging. Visit our website and make sure to join us on your break.
**SYMPOSIUM SCHEDULE**

*Unless otherwise specified, all didactic sessions will be in the 140 Seat Auditorium.*

**Sunday, September 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 – 9:00 pm</td>
<td>Registration &amp; Welcome Reception @ The Wild Fig</td>
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</tbody>
</table>

**Monday, September 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15 – 8:30 am</td>
<td>Welcome – Opening Remarks</td>
<td>RV Paul Chan, MD, FACS, Marilyn Miller, MD, Anna Ellis, MD, FRCS(C)</td>
</tr>
<tr>
<td>8:30 – 10:00 am</td>
<td>Session 1: Epidemiology, Screening and Guidelines</td>
<td>Clare Gilbert, MB, ChB, FRCOphth, MD, MSc, Roseline Duke, MD, J. Peter Campbell, MD, MPH</td>
</tr>
<tr>
<td>8:30 – 8:40 am</td>
<td>Epidemiology of Prematurity and ROP in SSA</td>
<td>Roseline Duke, MD</td>
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<tr>
<td>8:40 – 8:50 am</td>
<td>Current Screening Practices and Guidelines in SSA</td>
<td>Lily Nyamai, DO</td>
</tr>
<tr>
<td>8:50 – 9:00 am</td>
<td>Establishing National Screening Guidelines - Research Methods and Dissemination of Guidelines</td>
<td>Alistair Fielder, FRCP, FRCS, FRCOphth</td>
</tr>
<tr>
<td>9:00 – 9:15 am</td>
<td>Pathophysiology of ROP - From Research to NICU</td>
<td>Tailoi Chan-Ling, PhD</td>
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<tr>
<td>9:15 – 9:25 am</td>
<td>Classifications of ROP</td>
<td>Sherwin Isenberg, MD</td>
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<tr>
<td>9:25 – 9:35 am</td>
<td>Telemedicine Screening and Programs for ROP</td>
<td>Narendran Venkatapathy, DO, DNB</td>
</tr>
<tr>
<td>9:35 – 9:45 am</td>
<td>Tele-Education for ROP and Common Errors in ROP Diagnosis</td>
<td>RV Paul Chan, MD, FACS</td>
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<tr>
<td>9:45 – 9:55 am</td>
<td>Plus Disease: Qualification and Quantification in the Age of Artificial Intelligence</td>
<td>J. Peter Campbell, MD, MPH</td>
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<tr>
<td>9:55 – 10:00 am</td>
<td>Discussion / Questions</td>
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<tr>
<td>10:00 – 10:20 am</td>
<td>Break</td>
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<tr>
<td>10:20 – 11:30 am</td>
<td>Session 2: Prematurity and ROP – The Neonatology Perspective</td>
<td>Vivien Yap, MD</td>
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<tr>
<td>10:20 – 10:30 am</td>
<td>Increasing Preterm Survival and ROP</td>
<td>Vivien Yap, MD</td>
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<tr>
<td>10:30 – 10:40 am</td>
<td>Oxygen Management and ROP</td>
<td>Nicole Rouvinez Bouali, MD, FRCPC</td>
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<tr>
<td>10:40 – 10:50 am</td>
<td>Care Bundle of Obstetric and Neonatal Practices for Improved Preterm Survival</td>
<td>Vivien Yap, MD</td>
</tr>
<tr>
<td>10:50 – 11:00 am</td>
<td>South Africa: NICU Preterm Practices and Current Outcomes</td>
<td>Sithembiso Velaphi, MD</td>
</tr>
<tr>
<td>11:00 – 11:10 am</td>
<td>Nigeria: NICU Preterm Practices, Current Outcomes and Burden of ROP in her NICU</td>
<td>Olufunmilayo Victoria Adebara, MB, BS, FMCPAED, MScPH</td>
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<tr>
<td>11:10 – 11:20 am</td>
<td>Panel Discussion - ROP Prevention from a NICU Perspective</td>
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<tr>
<td>11:20 – 11:30 am</td>
<td>Panel Discussion - The Neonatal Team and ROP Care</td>
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<tr>
<td>11:30 am – 12:50 pm</td>
<td>Session 3: Treatment for ROP, the Role of VEGF, and anti-VEGF in ROP</td>
<td>Maria Ana Martinez-Castellanos, MD, R.V. Paul Chan, MD, FACS, Ogugua Okonkwo, FRCS</td>
</tr>
<tr>
<td>11:30 – 11:40 am</td>
<td>Overview of Treatment for ROP: Laser and Anti-VEGF</td>
<td>Anna Ellis, MD, FRCS(C)</td>
</tr>
<tr>
<td>11:40 – 11:50 am</td>
<td>Anti-VEGF Treatment for ROP- Medications, Techniques, Tips and Tricks</td>
<td>C. Armitage Harper III, MD</td>
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<tr>
<td>11:50 am – 12:00 pm</td>
<td>Serum VEGF Changes after Anti-VEGF Treatment for ROP</td>
<td>Amit Bhatt, MD</td>
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<tr>
<td>12:00 – 12:10 pm</td>
<td>Management of ROP Recurrence</td>
<td>Michael Blair, MD</td>
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<tr>
<td>12:10 – 12:20 pm</td>
<td>Surgical Management of Stage 4 and Stage 5 ROP</td>
<td>Kavitha Naidu, MD</td>
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<tr>
<td>12:20 – 12:30 pm</td>
<td>ROP Treatment in SSA</td>
<td>Dupe Ademola-Popoola, MD</td>
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<tr>
<td>12:30 – 12:40 pm</td>
<td>Challenging ROP Cases</td>
<td>Atchara Amphonphruet, MD</td>
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<tr>
<td>12:40 – 12:50 pm</td>
<td>Panel Discussion</td>
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<tr>
<td>12:50 – 2:00 pm</td>
<td>Lunch Break</td>
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<tr>
<td>2:00 – 2:30 pm</td>
<td>Keynote Lecture – Clare Gilbert, MB, ChB, FRCOphth, MD, MSc</td>
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<td></td>
<td>Controlling Blindness from ROP; Factors Associated with Successful Programs</td>
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### Monday, September 3 – Continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Workshop / Skills Transfer</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:45 – 3:45 pm</td>
<td>Imaging</td>
<td>Board Room</td>
</tr>
<tr>
<td>3:50 – 4:50 pm</td>
<td>Low Vision</td>
<td>Tea Room</td>
</tr>
<tr>
<td>6:30 – 8:30 pm</td>
<td>Gala Dinner &amp; Reception @ Cattle Baron</td>
<td>140 Seat Auditorium</td>
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</tbody>
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### Tuesday, September 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4: Imaging or ROP Screening</th>
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<tbody>
<tr>
<td>8:15 – 8:30 am</td>
<td>Opening Remarks and Special Presentation</td>
</tr>
<tr>
<td>8:30 – 9:20 am</td>
<td>Session 4: Imaging or ROP Screening                  Moderators: Leslie MacKeen, Dupe Ademola-Popoola, MD, Anna Ells, MD, FRCS(C)</td>
</tr>
<tr>
<td>8:30 – 8:40 am</td>
<td>Overview of ROP Imaging                       Leslie MacKeen, CRA</td>
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<tr>
<td>8:40 – 8:50 am</td>
<td>Phoenix Technology Group                     Steve Stamos</td>
</tr>
<tr>
<td>8:50 – 9:00 am</td>
<td>Utility of Imaging in the Diagnosis and Management of ROP RV Paul Chan, MD, FACS</td>
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<tr>
<td>9:00 – 9:10 am</td>
<td>OCT and OCTA in ROP J. Peter Campbell, MD, MPH</td>
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<tr>
<td>9:10 – 9:20 am</td>
<td>Panel Discussion - Current Use of Imaging in ROP</td>
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<tr>
<td>9:20 – 9:30 am</td>
<td>Panel Discussion - Future Directions in Imaging for ROP</td>
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<tr>
<td>9:30 – 10:00 am</td>
<td>Keynote Lecture – Linda Visser, MD Risk Management, Medicolegal Aspects in ROP and Guideline Development in ROP</td>
</tr>
<tr>
<td>10:00 – 10:30 am</td>
<td>Break</td>
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<tr>
<td>10:30 – 11:30 am</td>
<td>Session 5: Long Term Care and Rehabilitation of the Low Birthweight Child</td>
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<tr>
<td>10:30 – 10:40 am</td>
<td>Refractive and Visual Outcomes After Laser and Anti-VEGF treatments Sarah Hilbert Rodriguez, MD, MPH</td>
</tr>
<tr>
<td>10:40 – 10:50 am</td>
<td>The Role of Pediatric Ophthalmologists in ROP Programs in Africa Nicola Freeman, MBChB, FC Ophth, MMed</td>
</tr>
<tr>
<td>10:50 – 11:00 am</td>
<td>Why We Should Train Orthoptists in Africa Adedayo Adio, FWACS, FM-COPHth, FLVP, FCIA, FICO</td>
</tr>
<tr>
<td>11:00 – 11:10 am</td>
<td>Refraction and Strabismus after ROP Treatment: India Perspective Kalpana Narendran, MD</td>
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<tr>
<td>11:10 – 11:20 am</td>
<td>Panel Discussion - Setting up a ROP Screening Program</td>
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<tr>
<td>11:20 – 11:30 am</td>
<td>Panel Discussion - Setting up a ROP Screening Program</td>
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<tr>
<td>11:50 am – 12:50 pm</td>
<td>Lunch Break</td>
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### Workshops / Skills Transfer / Leadership Development Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>12:55 – 1:50 pm</td>
<td>Imaging ROP Screening Discussion</td>
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<tr>
<td>2:55 – 3:20 pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:25 – 4:20 pm</td>
<td>Imaging ROP Screening Discussion</td>
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<tr>
<td>4:25 – 5:20 pm</td>
<td>Low Vision Neonatology Discussion</td>
</tr>
<tr>
<td>6:30 – 8:30 pm</td>
<td>Gala Dinner &amp; Reception @ Cattle Baron</td>
</tr>
</tbody>
</table>
COMMITTEES & CHAIRS

ORGANIZING COMMITTEE:

Marilyn Miller, MD
(USA)

Anna Ells, MD, FRCS(C)
(Canada)

Nicola Freeman, MBChB, FC
Ophth, MMed
(South Africa)

Dupe Ademola-Popoola, MD
(Nigeria)

Omotayo Adesiyun, MD, BS, FMC
Pead
(Nigeria)

Michael Blair, MD
(USA)

J. Peter Campbell, MD, MPH
(USA)

Roseline Duke, MD
(Nigeria)

Alistair Fielder, MBBS, FRCP,
FRCS, FRCOphth
(UK)

R.V. Paul Chan, MD, FACS
(USA)

Anthony D. N. Murray, MB ChB,
FRCS, FCOpth
(South Africa)

Kgaogelo Edward Legodi, MD
(South Africa)

Kunle Hassan, MD
(Nigeria)

PROGRAM CHAIRS:

Anna Ells, MD, FRCS(C)
(Canada)

R.V. Paul Chan, MD, FACS
(USA)

Marilyn Miller, MD
(USA)

PROGRAM COMMITTEE:

Dupe Ademola-Popoola, MD
(Nigeria)

Omotayo Adesiyun, MD, BS, FMC
Pead
(Nigeria)

Michael Blair, MD
(USA)

J. Peter Campbell, MD, MPH
(USA)

Roseline Duke, MD
(Nigeria)

Alistair Fielder, MBBS, FRCP,
FRCS, FRCOphth
(UK)

Sidney Gicheru, MD
(USA)

Clare Gilbert, MB, ChB, FRCOphth,
MD, MSc
(UK)

Sherwin Isenberg, MD
(USA)

Leslie MacKeen, CRA
(Canada)

Linda Lawrence, MD
(USA)

Kalpana Narendran, MD
(India)

Ogugua Okonkwo, FRCS
(Nigeria)

Mildred Ulaikere, MD
(Nigeria)

Narendran Venkatapathy, DO, DNB
(India)

Linda Visser, MD
(South Africa)

Vivien Yap, MD
(USA)

Matt Young, MD
(South Africa)
FACULTY

PEDiATRIC
OPhTHAlMoLOGY
Dupe Ademola-Popoola, MD
(Nigeria)

Adedayo Adio, FWACS, FMCOPHth,
FLVP, FCIA, FICO
(Nigeria)

Toyin Akanbi, MD
(Nigeria)

Amit Bhatt, MD
(USA)

Roseline Duke, MD
(Nigeria)

Alistair Fielder, FRCP, FRCS, FR-
COphth
(UK)

Nicola Freeman, MBChB, FC Ophth, MMed
(South Africa)

Clare Gilbert, MB, ChB, FRCOphth,
MD, MSc
(UK)

Sarah Hilkert Rodriguez, MD, MPH
(USA)

Sherwin Isenberg, MD
(USA)

Frank Martin, MBBS, FRACS,
FRANZCO
(Australia)

Marilyn Miller, MD
(USA)

Anthony D. N. Murray, MB ChB,
FRCS, FCOpht
(South Africa)

Kalpana Narendran, MD
(India)

Lily Nyamai, DO
(Kenya)

Maria Ana Martinez Castellanos, MD
(Mexico)

Mildred Ulaikere, MD
(Nigeria)

RETiNAL SPECiALiSTs
Atchara Amphornphruet, MD
(Thailand)

Michael Blair, MD
(USA)

J. Peter Campbell, MD, MPH
(USA)

R. V. Paul Chan, MD, FACS
(USA)

Taijoi Chan-Ling, PhD
(Australia)

Anna Ellis, MD, FRCS(C)
(Canada)

Sidney Gicheru, MD
(USA)

C. Armitage Harper III, MD
(USA)

Kunle Hassan, MD
(Nigeria)

Kavitha Naidu, MD
(South Africa)

Maria Ana Martinez-Castellanos,
MD
(Mexico)

Narendran Venkatapathy, DO, DNB
(India)

Linda Visser, MD
(South Africa)

Matt Young, MD
(South Africa)

NEOniAtOLOGY
Olufunmilayo Victoria Adebara, MB,
BS, FMCPAED, MScPH
(Nigeria)

Omotayo Adesiyun, MD, BS, FMC
Pead
(Nigeria)

Jeffrey Perlman, MD
(USA)

Nicole Rouvinez Bouali, MD,
FRCP
(Canada)

Sithembiso Velaphi, MD
(South Africa)

Vivien Yap, MD
(USA)

TASti FORCE
MEMBERS
Sherwin J. Isenberg, MD
(USA)

Kgaogelo Edward Legodi, MD
(South Africa)

Olugbenga A. Mokuolu, FWACP
(Nigeria)

ADMiNISTRATION
Jenny Baker, MA
jbaker9@uic.edu

April Ingram
aprilingsram@outlook.com

Lauren Kalinoski, MS
lkalin2@uic.edu

Jennifer Hull
jhull@aao.org

EPiDemiOlOgy
Clare Gilbert, MB, ChB, FRCOphth,
MD, MSc
(UK)

ALLiED HeALTHiNg
PROfESsIoNALs
Leslie MacKeen, CRA
(Canada)
KEYNOTE SPEAKERS

CLARE GILBERT, MB ChB, FRCOphth, MD, MSC

*Professor of International Eye Health*
*International Centre for Eye Health*
*London School of Hygiene & Tropical Medicine*

Professor Clare Gilbert is an ophthalmologist with a Masters in epidemiology who has worked at the International Centre for Eye Health since 1990. Her main research interest is blindness in children in low and middle income countries, including refractive errors, ROP, cataract and primary eye care. She has undertaken studies in collaboration with colleagues in Latin America, Africa and Asia.

Clare is a technical advisor to a number of non-government organizations including the Vision Impact Institute, the USAID Child Blindness Program, and the Queen Elizabeth Diamond Jubilee Trust. She is providing technical advice to two large scale programmes in India for ROP and diabetic retinopathy which are supported by the Queen Elizabeth Diamond Jubilee Trust.

Clare has facilitated 30 workshops on ROP across Latin America and in Vietnam, Central Europe and Russia, was a member of a group who contributed to PAHO’s Guidelines on ROP for South and Central America, and is chairing ICOs working group who will develop global ROP guidelines.

Clare is an author of almost 300 peer reviewed publications and has written 23 book chapters. She has received several international awards for her work on blindness prevention including the International Council of Ophthalmology’s Jules Francois Golden Award, and the International Prevention of Blindness Award from the American Academy of Ophthalmology.

LINDA VISSER, MD

*Chief Specialist and Head of Department of Ophthalmology*
*Nelson R. Mandela School of Medicine at the University of KwaZulu-Natal (UKZN)*
*Durban, South Africa*

Professor Visser is the Chief Specialist and Head of the Department of Ophthalmology at the University of KwaZulu-Natal in South Africa. Her special interests in ophthalmology are medical and surgical retina, including ROP and ocular inflammation, and HIV-related diseases.

Dr. Visser has held a number of esteemed leadership positions in the ophthalmology field. Prior to UKZN, she was the President of the Vitreoretinal Society of South Africa from 2005 – 2009. She is was a founding member and Vice-Chair of the African Vision Research Institute (AVRI), and Co-Chair of the Scientific and Medical Advisory Board - Retina South Africa. From 2009 – 2018, she served on the Board of Directors for the KZN Eye Bank.

Currently, Dr. Visser performs the following leadership roles: President of the College of Ophthalmologists of South Africa, Vice-President of the Ophthalmological Society of South Africa, and Board member of the World Sight Foundation.

Dr. Visser has been the supervisor or co-supervisor on 16 Postgraduate theses (Master and Doctoral level). She has published many research articles in the field of ophthalmology.
Professor Murray was head prefect at Pretoria Boys’ High School in 1958. He then trained, first as a general practitioner (1959-1965), and then ophthalmologist (1968-1973) at the University of the Witwatersrand, and the State University of New York Downstate Medical Centre.

He was admitted to the Fellowship of the Royal College of Surgeons of Edinburgh in Ophthalmology in 1973. In 1989 he was admitted to the Fellowship of the Royal College of Ophthalmologists and in 2000 was declared a Fellow of the College of Ophthalmologists of South Africa by Peer Review.

Professor Murray worked as an ophthalmologist from June 1973 until December 1984 in private practice in Pretoria with his father, Dr Neil Murray. During that period he was a part-time consultant in both the Professorial Unit in the Department of Ophthalmology at the Witwatersrand University Medical School, and also in the Department of Ophthalmology at the Pretoria University Medical School. In 1978 he spent time at the Smith-Kettlewell Institute of Visual Sciences in San Francisco.

He was appointed as the Morris Mauerberger Professor and Chairman of the Department of Ophthalmology at the University of Cape Town Medical School in 1985, a position he held until he retired from full-time practice in 2006. From January 2007 to date he has worked as a part-time consultant, in the Strabismus unit in the Department of Ophthalmology at Groote Schuur Hospital and University of Cape Town.


Professor Murray has a particular interest in adult strabismus. He has published over 70 research articles, and given 125 lectures in 30 countries. Fifty-seven ophthalmologists completed their training during his 22 years as Head of the Ophthalmology Department at the University of Cape Town.

Professor Murray is interested in photography, bridge, scuba diving and game viewing. He has been a keen sportsman, and while a university student received provincial colours as a golfer and under 19 rugby player.

He has been married to Fiona for 45 years and they have a son, Alastair and a daughter, Nicola, and 4 grandchildren.