

Mr. Glenn I Carp, MBBCh, FC Ophth (SA)

GMC No: 4658933 - Full

Last GMC approved Appraisal – June 2016

As a highly skilled and professional doctor, I am dedicated to forging a career as a Consultant in Ophthalmology as well as improving my knowledge and skills in the fields of corneal pathology and refractive surgery. My ability to empathise with my patients and colleagues enables me to develop strong professional relationships, and I am a firm believer in leading by example, taking an assertive and consistent approach whilst ensuring to recognise the strengths of individual team members and allowing them to develop accordingly.

EDUCATION AND QUALIFICATIONS

- Sep 2007** **British Royal College of Ophthalmology – Refractive surgery exam**
London, UK
- May 2003** **FC Ophth (SA) Part 2**
Cape Town, South Africa
- Sep 1999** **FC Ophth (SA) Part 1**
Cape Town, South Africa
- Nov 1999** **Advanced Cardiac Life Support**
Johannesburg, South Africa
- Apr 1997** **Advanced Trauma Life Support**
Johannesburg, South Africa
- Dec 1996** **MBBCh**
University of the Witwatersrand, Johannesburg, South Africa

PRESENT POSITION

Dec 2007 – Present **Refractive Surgeon, Ophthalmology**
London Vision Clinic, London

- Laser refractive and corneal collagen cross linking surgery
- Management of pre, intra and post-operative patient care
- After hours on call duties on a daily basis
- Management and co-ordination of staff in relation to day to day work activities and training
- Principal liaison, co-ordinator and teacher for training, supervision and surgery performed by external consultant ophthalmologists performing surgery and outpatient clinics at the London Vision Clinic

- Involved with development and maintenance of “good clinical practice” related issues
- Management of complex LASIK repair and enhancement cases for patients having suffered previous unsuccessful refractive surgery or regression post previous surgery.

CAREER HISTORY

May 2007 – Nov 2007 Refractive Surgeon, Ophthalmology
Optimax Laser Eye Clinic, Peterborough

- Laser refractive surgery
- Management of pre, intra and post-operative patient care
- After hours on call duties on a daily basis
- Advanced training for Laser refractive surgery using the following:
 - Nidek excimer laser
 - Moria microkeratome
 - IntraLase femtosecond laser
 - OPD wavefront and Pentacam corneal scanner
 - Programming custom wavefront guided excimer laser profiles

May 2006 – Nov 2007 LASER Refractive Fellowship, Ophthalmology
London Vision Clinic, London

- Corneal collagen cross linking and laser eye surgery.
- Management of pre, intra and post-operative patient care.
- After hours on call duties on a daily basis.
- Trained to use the following equipment:
 - MEL 80 excimer laser
 - VisuMax femtosecond laser
 - Hansatome microkeratome
 - WASCA wavefront analyser
 - Atlas corneal topographer
 - Orbscan and Pentacam Topographer
 - Ocular Response Analyser
 - Programming custom wavefront guided excimer laser profiles
 - IROC corneal collagen cross linking platform
 - PriaVision corneal collagen cross linking platform

Jun 2007 Locum Consultant, Anterior Segment Unit,
Ophthalmology
Western Eye Hospital, London

- Two week post managing the Anterior Segment and Corneal clinics
- Lead clinician and supervisor for all surgical theatre sessions for the anterior segment unit
- Supervision of staff grade, registrar and SHO personnel attached to the anterior segment unit

- Supervision of all inpatients admitted under the care of the anterior segment unit

May 2006 – May 2007 Anterior Segment Fellowship, Ophthalmology
Western Eye Hospital, London

- Weekly Anterior Segment and Corneal Clinic sessions
- Weekly Anterior Segment and Corneal Theatre sessions
- In and out patient care of corneal, anterior segment and general ophthalmic patients
- Accident and emergency cover on a bi-weekly basis
- Daily after hours “on call” availability for the Anterior Segment and Corneal unit
- Surgical training in corneal and anterior segment microsurgery
- Weekly Medical contact lens clinic care
- Clinical teaching of medical students, nursing staff and involvement in the West London Teaching Program
- Weekly departmental clinical meeting attendance
- Trained in the following:
 - Medical contact lens fitting and patient care
 - Advanced techniques in cataract phacoemulsification, penetrating and lamellar corneal graft surgery, anterior segment trauma and reconstruction, pterygium surgery and management of corneal limbal stem cell damage
 - Inpatient management of corneal ulcerative conditions
 - Inpatient management of ocular cicatricial conditions
 - Inpatient management of anterior segment trauma

Jan 2006 – Apr 2006 Locum Senior House Officer, Ophthalmology
Western Eye Hospital, London

- Performed clinic work in Oculoplastics, Glaucoma, Neuro-ophthalmology, alongside general clinics
- Performed surgical sessions in Oculoplastics, Glaucoma, Cataract and Adult strabismus units
- Bi weekly Accident and emergency sessions
- On site casualty day and night sessions
- Clinical teaching of medical students, nursing staff and involvement in the West London Teaching Program

Nov 2005 – Dec 2005 Locum Staff Grade, Ophthalmology
Royal Preston Hospital, Preston

- Undertook clinic work in oculoplastics, glaucoma, medical retina, general and neuro-ophthalmology

Sep 2005 – Sep 2005 Locum Staff Grade, Ophthalmology
Watford General Hospital, London

- Undertook clinic work in oculoplastics, glaucoma, medical retina, general and neuro-ophthalmology

Jun 2005 – Jul 2005 **Locum Staff Grade, Ophthalmology**
Maidstone General Hospital, Maidstone

- Undertook clinic work in oculoplastics, glaucoma, medical retina and general ophthalmology
- YAG and argon laser sessions
- Minor operations sessions
- Satellite clinic work at Sittingbourne, Medway, Pembury and Tenderden Hospitals
- On call after hours day and night sessions at Maidstone General Hospital

May 2005 – Jun 2005 **Locum Staff Grade, Ophthalmology**
Worcester Royal Hospital, Worcester

- Undertook clinic work in glaucoma, diabetic, medical retina and cornea
- ND-YAG and argon laser sessions

Jan 2005 – Apr 2005 **Career Break**
Awaiting visa to move to UK

Jan 2004 – Dec 2004 **Consultant, Ophthalmology**
Chris Hani Baragwanath Hospital, Johannesburg,
South Africa

- Consultant ophthalmologist in the glaucoma specialist clinic, general clinic and accident and emergency – eight half-day sessions per week
- Private practice - two half-day sessions per week
- Laser surgery performed included argon laser: PRP, grid, focal, 360° peripheral laser, Nd/YAG laser capsulotomy, peripheral iridectomy, selective laser trabeculoplasty and cyclophoto-laser therapy
- Other surgical procedures include cataract, trabeculectomy, pars plana vitrectomy, retinal detachment repair, squint surgery, corneal graft surgery and eyelid and corneal-scleral repair
- After hours on call sessions on a monthly basis
- Member of the Consultant Management committee, Department of Ophthalmology, University of Witwatersrand, Johannesburg, South Africa

Jan 2000 – Dec 2003

Registrar, Ophthalmology

Chris Hani Baragwanath Hospital, Johannesburg
Hospital, Johannesburg, South Africa

- Laser surgery performed included argon laser PRP, grid, focal, 360° peripheral laser, Nd/YAG laser capsulotomy, peripheral iridectomy, selective laser trabeculoplasty and cyclophoto-laser therapy
- Other surgical procedures include cataract, trabeculectomy, deep sclerectomy, pars plana vitrectomy, retinal detachment repair, squint surgery, lid surgery - entropion, ectropion, ptosis and eyelid and corneal-scleral repair, corneal graft surgery
- Assisted with dacryocystorhinostomy
- After hours ophthalmic accident and emergency calls

Jan 1999 – Sep 1999

Research Post, Ophthalmology

Department of Ophthalmology, University of the
Witwatersrand, Johannesburg, South Africa

- This involved the evaluation of a six and a half-year study on the assessment of the Johannesburg Hospital diabetic clinic and the adequacy of their referral system of patients with diabetic retinopathy to the Ophthalmology Department.
- Weekly surgical theatre sessions
- Training and lecturing of the fifth year medical school trainees

Jul 1998 – Dec 1998

Senior House Officer, Ophthalmology

Johannesburg Hospital, Johannesburg, South
Africa

- After-hours ophthalmic emergency calls
- Weekly theatre session at Johannesburg Hospital plus bi-weekly after hours trauma surgical session at St John Eye Hospital, Chris Hani Baragwanath Hospital on an on call basis
- Surgery performed included extra-capsular cataract extractions and intraocular lens insertions, anterior chamber / corneal-scleral repairs, eviscerations, lid repairs and pterygium surgery
- Performed Nd-YAG and argon laser training sessions

Jan 1998 – Jun 1998

Medical Officer, Ophthalmology

Frere Hospital, East London, South Africa

- After-hours ophthalmic emergency calls
- Weekly clinic work at Frere Hospital and Cecilia Makewane Hospital, East London
- Surgery performed included extra-capsular cataract extractions and intraocular lens insertions, anterior chamber / corneal-scleral repairs, eviscerations, lid repairs and pterygium surgery
- Performed Nd-YAG and argon laser training sessions

- Satellite ophthalmic clinic work and surgery at Frontier Hospital, Queenstown, South Africa.

Jan 1997 – Dec 1997 **Medical Intern**
Internal Medicine, General Surgery,
Orthopaedics, Obstetrics and Gynaecology
and Accident and Emergency
 Frere Hospital, East London, South Africa

- 4 months General medicine rotation
- 4 months General surgery rotation
- 2 Months Orthopaedics rotation
- 2 Months Obstetrics and Gynaecology rotation

CLINICAL SKILLS AND EXPERIENCE

During my career I have gained wide surgical experience and am able to perform a comprehensive list of ophthalmological procedures as indicated in my surgical log book. I am competent to perform all of these independently and am also able to undertake the following complex procedures:

- Selective laser trabeculoplasty
- Argon laser trabeculoplasty
- Focal, grid, pan retinal photocoagulation
- Nd-YAG capsulotomy and Peripheral iridectomy
- Retinal hole/tear photocoagulation
- 360° prophylactic retinal photocoagulation

I am also trained and certified in the use of excimer and femtosecond lasers for use in corneal refractive surgery and corneal collagen cross linking used in the treatment of keratoconus.

SPECIALIST INTEREST

Ophthalmology with a subspecialty interest in Anterior Segment, Corneal and Refractive surgery.

PROFESSIONAL MEMBERSHIPS

May 2016 Independent Doctors Federation

May 2013 International Society of Refractive Surgery Member

Nov 2010 Accepted to the United Kingdom Ophthalmic Specialist Register

Nov 2006	Medical Contact Lens and Ocular Surface Association Committee member since joining the society 2006-12 Treasurer of the society from 2010 - 2012
Sep 2006	European Society of Cataract and Refractive Surgeons
Sep 2006	United Kingdom and Ireland Society of Cataract and Refractive Surgeons
Sep 2006	British Society for Refractive Surgery
Jul 2002	Glaucoma Society of South Africa Member
Jan 2000	College of Medicine of South Africa Member
Jan 2000	Ophthalmic Society of South Africa Member
Dec 1999	General Medical Council, United Kingdom

CONTINUING PROFESSIONAL DEVELOPMENT

It is vitally important to keep up to date with new techniques and advances in my specialty and as such I attend courses and conferences to do this.

DEVELOPMENT COURSES

Feb 2014	Zeiss ReLEX-Hyperopia training and certification course Tilganga Eye Hospital, Kathmandu, Nepal
Feb 2012	Zeiss ReLEX-Myopia training and certification course Tilganga Eye Hospital, Kathmandu, Nepal
Nov 2011	Avedro CXL Certification London, UK
Nov 2011	Hamilton Mercer – Managing Customer Encounters London, UK
Nov 2011	MPS – Mastering Difficult Interactions with Patients workshop. London, UK
Oct 2011	MPS – Mastering Professional Interactions workshop London, UK
Oct 2011	MPS – Mastering your Risk workshop London, UK
Oct 2011	MPS – Mastering Adverse Outcomes London, UK
Sep 2011	INTACS Femtosecond insertion certification London, UK
Aug 2011	‘Making the Most of Microsoft Excel’ Archer Training & Development, London, UK
May 2011	Customer service training Learn Purple, London, UK
Apr 2011	‘Making the Most of Microsoft Word’ Archer Training & Development, London, UK
Mar 2011	CPR and manual handling Cooper Safety, London, UK
Mar 2011	Customer service training Learn Purple, London, UK

- Sep 2010** **Dry Eye Symposium**
Dr. Ilpo Tuisku, London, UK
- Jun 2010** **‘Effective Time Management Using Outlook’**
Archer Training & Development, London, UK
- Sep 2009** **‘The Challenging Patient: Risk Management and Optimizing Patient Satisfaction by Effectively Managing Personality Styles’**
Dr. Jennifer Morse, London, UK
- Oct 2008** **‘Dealing with difficult and challenging situations course’**
WWP Training Limited, London, UK
- Jun 2008** **‘Customer Care Course’**
WWP Training Limited, London, UK
- Apr 2008** **‘Zeiss Excimer Laser Course’**
London, UK
- Dec 2007** **‘Corneal Cross Linking Course’**
International Cross Linking Symposium, Zurich, Switzerland
- Nov 2007** **Zeiss VisuMax and MEL 80 certification course**
London, UK
- Sep 2007** **‘Refractive Surgery Didactic Course’**
25th Congress of European Society of Cataract Refractive Surgeons, Stockholm, Sweden
- Sep 2007** **‘LASIK: Basic Steps for Safety and Great Results’**
25th Congress of European Society of Cataract Refractive Surgeons, Stockholm, Sweden
- Sep 2007** **‘Presbyopia Treatment: Looking for the Best Option’**
25th Congress of European Society of Cataract Refractive Surgeons, Stockholm, Sweden
- Sep 2007** **‘PRK, LASEK, Epi-LASIK and LASIK Nightmares: Prevention and Management’**
25th Congress of European Society of Cataract Refractive Surgeons, Stockholm, Sweden
- Sep 2007** **‘Customized Ablation in Management of Irregular Astigmatism’**
25th Congress of European Society of Cataract Refractive Surgeons, Stockholm, Sweden

- Aug 2007** **'IntraLase MD Certification Program'**
Optimax Clinic, London, UK
- Jun 2007** **'IntraLase Web-Based Training Program'**
Online Web-Based course
- Nov 2006** **'Corneal Cross Linking Course'**
International Cross Linking Symposium, Zurich,
Switzerland
- Dec 2006** **'Basic LASIK Surgery Course'**
Moorfields Eye Hospital, London
- Sep 2006** **'International Course in Refractive Laser Surgery'**
Carl Zeiss Meditec, London
- Oct 2004** **'Pfizer Ophthalmic Practice Management Academy
Course'**
Johannesburg, South Africa
- Oct 2002** **'Community Ophthalmology Course'**
Pretoria, South Africa
- Dec 1999** **'Healthcare Provider CPR Course'**
Johannesburg, South Africa
- Nov 1999** **'Advanced Cardiac Life Support Course'**
Johannesburg, South Africa
- Feb 1999** **'Ophthalmic and Neuro anatomy and Physiology
Course'**
Departments of Ophthalmology and General Anatomy,
University of the Witwatersrand, South Africa
- Apr 1998** **'Research Techniques'**
University of Witwatersrand, South Africa
- Aug 1997** **'Trauma Management'**
Frere Hospital, East London, South Africa
- Apr 1997** **'Advanced Trauma Life Support Course'**
Johannesburg, South Africa

CONFERENCES

- Sep 2016** **XXXIV Congress of European Society of Cataract
Refractive Surgeons**
Copenhagen, Denmark
- Jul 2015** **29th Asia-Pacific Association of Cataract and
Refractive Surgeons Annual Meeting – Invited
Speaker**
Bali, Indonesia
- Jun 2015** **CZM user meeting**
Potsdam, Germany
- Mar 2015** **32nd Asia Pacific Academy of Ophthalmology
Congress – Invited Speaker**
Bangkok, Thailand
- Sep 2015** **XXXIII Congress of European Society of Cataract
Refractive Surgeons**
Barcelona, Spain
- Jun 2015** **British Society for Refractive Surgery Scientific
Congress – Invited Speaker**
Birmingham, UK
- May 2015** **CZM user meeting**
Florence, Italy
- Nov 2014** **Asia Pacific Refractive Laser Symposium**
Busan, South Korea
- May 2015** **UKISCRS**
Liverpool, UK
- Mar 2015** **British Society for Refractive Surgery Scientific
Congress – Invited Speaker**
Birmingham, UK
- Sep 2014** **XXXII Congress of European Society of Cataract
Refractive Surgeons**
London, UK
- Jun 2014** **CZM user meeting**
Istanbul, Turkey
- Jun 2014** **British Society for Refractive Surgery Scientific
Congress – Invited Speaker**
Birmingham, UK

- May 2014** **UKISCRS**
Liverpool, UK
- Oct 2013** **XXXI Congress of European Society of Cataract
Refractive Surgeons**
Amsterdam, Holland
- Aug 2013** **XV Biennial International Congress of the Southern
African Society for Cataract and Refractive Surgery –
Invited Speaker**
Victoria Falls, Zambia
- Jun 2013** **3rd Joint International Congress [Refr@ctive.on-line](#) &
SICSSO – Invited Speaker**
Siena, Italy
- Jun 2013** **British Society for Refractive Surgery Scientific
Congress – Invited Speaker**
Birmingham, UK
- Feb 2013** **Wavefront and Presbyopia Congress – Invited
speaker**
Miami, USA
- Nov 2012** **Medical Contact Lens and Ocular Surface
Association. 19th Annual Scientific Meeting**
London, UK
- Nov 2012** **7th BCLA Pioneers Conference – Invited Speaker**
London, UK
- Nov 2012** **UKISCRS XXXVI Annual Congress – Invited Speaker**
London, UK
- Sep 2012** **XXXI Congress of European Society of Cataract
Refractive Surgeons**
Milan, Italy
- Feb 2012** **Wavefront and Presbyopia Congress – Invited
Speaker**
San Diego, USA
- Nov 2011** **Medical Contact Lens and Ocular Surface
Association. 18th Annual Scientific Meeting**
London, UK
- Sep 2011** **XXIX Congress of European Society of Cataract
Refractive Surgeons**
Vienna, Austria

- Jul 2011** **Dead Sea Cataract and Refractive Congress – Invited Speaker**
Dead Sea, Israel
- Nov 2010** **Medical Contact Lens and Ocular Surface Association. 17th Annual Scientific Meeting**
London, UK
- Sep 2010** **XXVIII Congress of European Society of Cataract Refractive Surgeons**
Paris, France
- Nov 2009** **Medical Contact Lens and Ocular Surface Association. 16th Annual Scientific Meeting**
London, UK
- Sep 2009** **XXVI Congress of European Society of Cataract Refractive Surgeons**
Barcelona, Spain
- Nov 2008** **Medical Contact Lens and Ocular Surface Association. 15th Annual Scientific Meeting**
London, UK
- Nov 2008** **UKISCRS Annual General Meeting**
Brighton, UK
- May 2008** **32nd Clinical Conference - British Contact Lens Association**
Birmingham, UK
- Dec 2007** **3rd International Congress of Corneal Cross Linking**
Zurich, Switzerland
- Nov 2007** **Medical Contact Lens and Ocular Surface Association. 14th Annual Scientific Meeting**
London, UK
- Oct 2007** **Future Vision**
London, UK
- Sep 2007** **XXV Congress of European Society of Cataract Refractive Surgeons**
Stockholm, Sweden
- Mar 2007** **Anti-Aging Medicine World Congress**
Monaco
- Mar 2007** **IX Bowman Club Meeting**
Birmingham, UK

- Dec 2006** **2nd International Congress of Corneal Cross Linking**
Zurich, Switzerland
- Nov 2006** **Medical Contact Lens and Ocular Surface**
Association. 13th Annual Scientific Meeting
London, UK
- Sep 2006** **XXIV Congress of European Society of Cataract**
Refractive Surgeons
London, UK
- Feb 2005** **International Glaucoma Society Congress**
Cape Town, South Africa
- Jul 2004** **South African Glaucoma Society Congress**
Drakensburg, South Africa
- Mar 2004** **Annual South African Ophthalmology Congress**
Sun City, South Africa
- Jul 2003** **South African Glaucoma Society Congress**
Drakensburg, South Africa
- Apr 2002** **Annual South African Ophthalmology Congress**
Durban, South Africa
- Jul 2002** **South African Glaucoma Society Congress**
Drakensburg, South Africa
- Apr 2001** **Annual South African Ophthalmology Congress**
Cape Town, South Africa
- Apr 2000** **Annual South African Ophthalmology Congress**
Swaziland

CONGRESS PRESENTATIONS

- Sep 2016** **Epithelial Thickness Mapping as an Adjunctive Tool**
for Keratoconus Screening
ESCRS
Copenhagen, Denmark
- Jul 2016** **Comparison of Optical Zone Centration between**
SMILE and LASIK
APACRS
Bali, Indonesia
- Jul 2016** **Comparison of with-the-rule and against-the-rule**
astigmatism correction with SMILE
APACRS
Bali, Indonesia

- Jul 2016** **SMILE for hyperopia: successful pilot and first study outcomes**
APACRS
Bali, Indonesia
- Jul 2016** **ReLEx SMILE**
APACRS
Bali, Indonesia
- Jun 2016** **Surgical technique for identifying the superior lenticule interface in all situations**
CZM User Meeting
Potsdam, Germany
- Jun 2016** **Mechanism and outcomes of PRESBYOND**
CZM User Meeting
Potsdam, Germany
- Mar 2016** **Surgical technique for identifying the superior lenticule interface in all situations**
APAC
Bangkok, Thailand
- Mar 2016** **Refinements in the SMILE nomogram for astigmatism**
APAC
Bangkok, Thailand
- Sep 2015** **Superior or Inferior Lenticule Interface Identification and Dissection: Impact on Outcomes in SMILE**
ESCRS
Barcelona, Spain
- Sep 2015** **The new excimer platform from Carl Zeiss: MEL90**
ESCRS
Barcelona, Spain
- May 2015** **Nuances for making Laser Blended Vision work perfectly – preoperative and postoperative pearls for managing cross blur after surgery**
CZM User Meeting
Florence, Italy
- May 2015** **Enhancements after SMILE (circle, flap) and angular nomogram for cylinder**
CZM User Meeting
Florence, Italy
- May 2015** **“Meet the experts round table discussion”**
CZM User Meeting
Florence, Italy

- May 2015** **Debate: Lasik vs SMILE**
UKISCRS Congress
Liverpool, UK
- Mar 2015** **SMILE Femto Refractive Surgery**
BSRS Congress
Birmingham, UK
- Mar 2015** **Correction of ametropia on the cornea: Femtosecond Lenticule Extraction**
BSRS Congress
Birmingham, UK
- Nov 2014** **Dispelling the Myths of SMILE with Science**
Asia Pacific Refractive Laser Symposium
Busan, South Korea
- Nov 2014** **MEL 90 and Presbyond**
Asia Pacific Refractive Laser Symposium
Busan, South Korea
- Sep 2014** **The new excimer platform from Carl Zeiss: MEL90**
ESCRS
London, UK
- Sep 2015** **Diurnal refractive fluctuations after hyperopic LASIK**
ESCRS
London, UK
- Jun 2014** **A paradigm shift in safety limits for SMILE: tensile strength replaces classical residual stromal thickness**
CZM User Meeting
Istanbul, Turkey
- Jun 2014** **PRESBYOND® Laser Blended Vision – the solution for my presbyopic patients**
CZM User Meeting
Istanbul, Turkey
- Jun 2014** **Outcomes for Myopic LASIK with the Carl Zeiss Meditec MEL90 at 500Hz**
CZM User Meeting
Istanbul, Turkey
- Jun 2014** **Comparison of spherical aberration induction between SMILE and LASIK in the context of postoperative relative corneal tensile strength**
CZM User Meeting
Istanbul, Turkey

- Jun 2014** **ReLEX SMILE for High Myopia**
BSRS Congress, Birmingham UK
- Oct 2013** **Very high frequency ultrasound for the imaging of the cornea**
Workshop on Visual Optics, 31st Congress of European Society of Cataract Refractive Surgeons, Amsterdam
- Oct 2013** **Femtosecond Laser Assisted Keyhole Endokeratophakia**
31st Congress of European Society of Cataract Refractive Surgeons, Amsterdam
- Oct 2013** **Bilateral LASIK procedure time using the VisuMax femtosecond laser and MEL80 excimer laser: comparison of two experienced surgeons**
31st Congress of European Society of Cataract Refractive Surgeons, Amsterdam
- Oct 2013** **Improved effectiveness of trans-epithelial phototherapeutic keratectomy versus topography-guided ablation degraded by epithelial compensation on irregular stromal surfaces**
31st Congress of European Society of Cataract Refractive Surgeons, Amsterdam
- Oct 2013** **Three Month Outcomes including Contrast Sensitivity of Moderate and High Myopic Small Incision Lenticule Extraction (SMILE) Compared to Matched LASIK Controls**
31st Congress of European Society of Cataract Refractive Surgeons, Amsterdam
- Oct 2013** **Reproducibility of Manifest Refraction Between Surgeons and Optometrists in a Clinical Refractive Surgery Practice**
Poster, 31st Congress of European Society of Cataract Refractive Surgeons, Amsterdam
- Aug 2013** **Artemis keratoconus screening based on epithelial thickness profiles and patterns**
SASCERS Congress, Victoria Falls, Zambia
- Aug 2013** **Laser Blended Vision for Presbyopia**
SASCERS Congress, Victoria Falls, Zambia
- Aug 2013** **ReLEx SMILE**
SASCERS Congress, Victoria Falls, Zambia
- Jun 2013** **Keratoconus Screening**

- ROLANDSICSSO Congress, Siena, Italy
- Jun 2013** **Epithelium in Irregular Astigmatism**
ROLANDSICSSO Congress, Siena, Italy
- Jun 2013** **Artemis-guided transepithelial PTK**
ROLANDSICSSO Congress, Siena, Italy
- Jun 2013** **MEL80 Laser Platform Of Choice**
BSRS Congress, Birmingham UK
- Jun 2013** **VHFU Artemis Applications**
BSRS Congress, Birmingham UK
- Feb 2013** **‘Blended Monovision for Corneal Presbyopia Correction’**
Wavefront and Presbyopia Congress
San Diego, USA
- Nov 2012** **‘The usefulness of complex instrumentation to weed-out patients unsuitable for refractive Surgery’**
7th BCLA Pioneers Conference, London
- Nov 2012** **‘My favourite method of screening for keratoconus in refractive laser patients is... Very high-frequency digital ultrasound’**
UKISCRS XXXVI Annual Congress, London
- Nov 2012** **‘ReLEx: femtosecond only refractive surgery’**
UKISCRS XXXVI Annual Congress, London
- Sep 2012** **‘Creation of flaps using the VisuMax femtosecond laser assisted by Artemis VHF digital ultrasound epithelial thickness measurement for retreatment after previous PRK due to thin corneas’**
29th Congress of European Society of Cataract Refractive Surgeons, Milan
- Sep 2012** **‘LASIK for the correction of presbyopia in emmetropic patients using aspheric ablation profiles and a micro-monovision protocol with the Carl Zeiss Meditec MEL80 and VisuMax’**
29th Congress of European Society of Cataract Refractive Surgeons, Milan
- Sep 2012** **‘Very high frequency ultrasound for the imaging of the cornea’**
Workshop on Visual Optics, 29th Congress of European Society of Cataract Refractive Surgeons, Milan
- Feb 2012** **Laser Blended Vision Profile Strategies**

Wavefront and Presbyopia Congress
San Diego, USA

- Sep 2011** **'Comparison of an Experienced Surgeon with a Fellowship Trained Surgeon: Visual Outcomes of the First 200 Consecutive Myopic LASIK Procedures with Flaps Created using the VisuMax Femtosecond Laser'**
28th Congress of European Society of Cataract Refractive Surgeons, Vienna
- Sep 2011** **'Very high frequency ultrasound for the imaging of the cornea'**
Workshop on Visual Optics, 28th Congress of European Society of Cataract Refractive Surgeons, Vienna
- Aug 2011** **'Comparison of an Experienced Surgeon with a Fellowship Trained Surgeon: Visual Outcomes of the First 200 Consecutive Myopic LASIK Procedures with Flaps Created using the VisuMax Femtosecond Laser'**
Dead Sea Cataract and Refractive Congress, Dead Sea, Israel
- Sep 2010** **'Epithelial thickness profiles in sub-surface keratoconus screening'**
Imaging Symposium, 27th Congress of European Society of Cataract Refractive Surgeons, Paris
- May 2008** **'VHF digital ultrasound scanning observations after corneal cross linking'**
Presented at the 32nd BCLA Clinical Conference and Exhibition Programme, Birmingham
- Dec 2007** **'VHF digital ultrasound scanning observations after corneal cross linking'**
Presented at Third International Congress of Corneal Cross Linking, Switzerland
- Oct 2007** **'3D epithelial and stromal thickness profile following ortho-K'**
Presented at Future Vision congress, London
- Sep 2007** **'Zeiss precision laser assisted in situ keratomileusis'**
Video presentation at 25th Congress of European Society of Cataract Refractive Surgeons, Stockholm
- May 2007** **'Bilateral, symmetrical, localized, interstitial keratitis of unknown aetiology'**
Presented at IX Bowman Club Meeting, Birmingham

- Apr 2007** **‘Aging Eye: Laser treatments, see like when you were 20 years old’**
Presented at Anti-Aging Medicine World Congress, Monaco
- Dec 2006** **‘VHF digital ultrasound scanning observations after corneal cross linking’**
Presented at Second International Congress of Corneal Cross Linking, Switzerland
- Dec 2006** **‘Factors associated with Type 2 diabetic retinopathy in Johannesburg, South Africa’ (poster)**
International Diabetes Federation 19th World Diabetes Congress, Cape Town, RSA
- Nov 2006** **‘Surface deposits and tear film disruption with custom-made, lathed silicone hydrogel lenses’**
Presented at 13th Annual Scientific Meeting of Medical Contact Lens and Ocular Surface Association, London
- Oct 2006** **‘European Society of Cataract and Refractive Surgeons Feedback session’**
Presented at Western Eye Hospital teaching session
- Sep 2006** **‘Topography in Refractive Surgery’**
Presentation to European Society of Cataract and Refractive Surgeons, London
- Sep 2006** **‘Femtosecond Laser Technology’**
International Course in Refractive Laser Surgery, Carl Zeiss Meditec, London
- May 2005** **‘Factors associated with diabetic retinopathy in a mixed urban South African population’ (poster)**
Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, USA
- Mar 2004** **‘Inter-observer agreement on reviewing colour fundus photographs in diabetic retinopathy’**
Presented at the Annual South African Ophthalmology Congress, South Africa
- Mar 2000** **‘Assessing the value of colour fundus photography screening in a large diabetic clinic’**
Co-winner of best registrar presentation award when presented at Annual South African Ophthalmology Congress, South Africa.

LECTURE/TEACHING PRESENTATIONS:

- Sep 2016** **Management of complicated cases**
ESCRS
Copenhagen, Denmark
- Sep 2016** **ReLEx SMILE General**
ESCRS
Copenhagen, Denmark
- Mar 2016** **Treatment options for presbyopia: monovision and multifocality**
Presented at London Vision Clinic optometric teaching session
- Mar 2016** **Extending the range of high myopia**
Presented at London Vision Clinic optometric teaching session
- Mar 2016** **Extending the range of high hyperopia**
Presented at London Vision Clinic optometric teaching session
- Mar 2016** **Prevention and Management of Intraoperative Complications of SMILE**
APAC
Bangkok, Thailand
- Mar 2016** **SMILE, MEL 90 and PRESBYOND: Overview of Zeiss Refractive Portfolio**
APAC
Bangkok, Thailand
- Nov 2015** **Introduction to cataract surgery**
Presented at London Vision Clinic optometric teaching session
- Nov 2015** **Blended Vision Treatment in Presbyopia**
Presented at London Vision Clinic optometric teaching session
- Sep 2015** **Management of complicated cases**
ESCRS
Barcelona, Spain
- Sep 2015** **ReLEx SMILE General**
ESCRS
Barcelona, Spain
- Nov 2014** **Blended Vision Treatment in Presbyopia**

- Presented at London Vision Clinic optometric teaching session
- Nov 2014** **ReLEx SMILE General**
Presented at London Vision Clinic optometric teaching session
- Nov 2014** **Blended Vision Treatment in Presbyopia**
Presented at London Vision Clinic optometric teaching session
- Nov 2014** **ReLEx SMILE General**
Presented at London Vision Clinic optometric teaching session
- Sep 2014** **Laser Blended Vision (LBV) General**
ESCRS
London, UK
- Sep 2014** **Management of complicated cases**
ESCRS
London, UK
- Sep 2014** **ReLEx SMILE General**
ESCRS
London, UK
- Aug 2014** **Blended Vision Treatment in Presbyopia**
Presented at London Vision Clinic optometric teaching session
- Aug 2014** **Extending the range of high myopia**
Presented at London Vision Clinic optometric teaching session
- Jun 2014** **Blended Vision Treatment in Presbyopia**
Presented at London Vision Clinic optometric teaching session
- Jun 2014** **Extending the range of high myopia**
Presented at London Vision Clinic optometric teaching session
- Apr 2014** **Blended Vision Treatment in Presbyopia**
Presented at London Vision Clinic optometric teaching session
- Apr 2014** **Extending the range of high myopia**
Presented at London Vision Clinic optometric teaching session

- Sep 2013** **Management of complicated cases**
 ESCRS
 Amsterdam
- Sep 2013** **Blended Vision Treatment in Presbyopia**
 ESCRS
 Amsterdam
- Jul 2012** **Keyhole LASIK – Future of Laser Eye Surgery?**
 Presented at London Vision Clinic optometric teaching session
- Mar 2012** **LASIK Overview – Masterclass**
 London School of Medicine
 London, UK
- Mar 2012** **Blended Vision Treatment in Presbyopia**
 Presented at London Vision Clinic optometric teaching session
- Oct 2010** **Epithelial thickness profiles in keratoconus**
 Presented at London Vision Clinic optometric teaching session
- Jul 2008** **Femtosecond Laser Technology**
 Presented at London Vision Clinic optometric teaching session
- Apr 2008** **Post-operative evaluation and the management of LASIK complications**
 Presented at London Vision Clinic optometric teaching session
- Feb 2007** **Corneal cross linking**
 Presented at Western Eye Hospital teaching session
- Jan 2007** **Diagnosing keratoconus**
 Presented at Western Eye Hospital teaching session
- Sep 2006** **Specular Microscopy**
 Presented at Western Eye Hospital teaching session
- Jul 2006** **Recurrent Erosion Syndrome Update**
 Presented at Western Eye Hospital teaching session
- Apr 2006** **Migraine Update**
 Presented at Western Eye Hospital teaching session
- Mar 2006** **Buphthalmos Update**
 Presented at Western Eye Hospital teaching session

- Sep 2003** **Migraine**
Presented as a neurosciences lecture, Johannesburg Hospital, South Africa
- Mar 2003** **Recurrent Corneal Erosion**
Presented to registrars at St John Eye Hospital, London
- Mar 2003** **Penetrating versus non-penetrating glaucoma surgery**
Presented to registrars at St John Eye Hospital, London
- Sep 2002** **Diabetic retinopathy**
Presented to registrars at St John Eye Hospital, London
- Sep 2002** **Congenital glaucoma**
Presented to registrars at St John Eye Hospital, London
- Apr 2001** **Neuroretinitis**
Presented as a neurosciences lecture, Johannesburg Hospital, South Africa
- Feb 2001** **Research techniques**
Presented to registrars at St John Eye Hospital, London
- Sep 2000** **Intraocular pressure and neuroprotection**
Presented to registrars at St John Eye Hospital, London

Rapid Fire Presentations:

- Nov 2006** **Sjögren's Syndrome: Silicone hydrogel lenses in the management of dry eyes**
Poster presented at 13th Annual Scientific Meeting of Medical Contact Lens and Ocular Surface Association, London
- Nov 2006** **The role of KeraSoftDuraWave lens in patients with irregular astigmatism**
Presented at 13th Annual Scientific Meeting of Medical Contact Lens and Ocular Surface Association, London

Poster Presentations:

- Sep 2014** **Outcomes of high myopic LASIK**
ESCRS
London, UK

PEER-REVIEWED PUBLICATIONS

Dan Z. Reinstein, Marine Gobbe, Timothy J. Archer, Glenn I. Carp. **'Mechanism for a rare, idiosyncratic complication following hyperopic LASIK: Diurnal shift in refractive error due to epithelial thickness profile changes'**. Journal of Refractive Surgery. 2016 Jun;32(6):364-371

Dan Z. Reinstein, Glenn I. Carp, Timothy J. Archer, Tariq A. Lewis, Marine Gobbe, Johnny Moore, Tara Moore. **'Efficacy, safety, contrast sensitivity, aberration control and 2 year stability after LASIK for high myopia and astigmatism from -8.00 to -14.25 D'**. Journal of Refractive Surgery. 2016 May;32(5):290-297

Kishore R. Pradhan, Dan Z. Reinstein, Glenn I. Carp, Timothy J. Archer, Marine Gobbe, Purushottam Dhungana. **'Quality control outcomes analysis of small incision lenticule extraction (SMILE) for myopia for a novice surgeon at the first refractive surgery unit in Nepal during the first two years of operation'**. Journal of Cataract and Refractive Surgery. 2016 Feb;42(2):267-274

Dan Z. Reinstein, Marine Gobbe, Louis Gobbe, Timothy J. Archer, Glenn I. Carp. **'Optical zone centration accuracy using corneal fixation-based (SMILE) compared to eye tracker-based femtosecond laser-assisted LASIK for myopia'**. Journal of Refractive Surgery. 2015 Sep;31(9):586-592

Timothy J. Archer, Dan Z. Reinstein, David P. Piñero, Marine Gobbe, Glenn I. Carp. **'Comparison of the predictability of refractive cylinder correction by laser in situ keratomileusis in eyes with low and high ocular residual astigmatism'**. Journal of Cataract and Refractive Surgery. 2015 Jul;41(7):1383-1392

Dan Z. Reinstein, Glenn I. Carp, Daria de Benedictis, Timothy J. Archer, Marine Gobbe, Raynan Khan, Max von Borch. **'Standardization of LASIK surgical technique evaluated by comparison of procedure time between two experienced surgeons'**. Journal of Cataract and Refractive Surgery. 2015 May;41(5):1004-1008

Dan Z. Reinstein, Glenn I. Carp, Tariq A. Lewis, Timothy J. Archer, Marine Gobbe. **'Outcomes for myopic LASIK with the MEL 90 excimer laser'**. Journal of Refractive Surgery. 2015 May;31(5):316-321

Dan Z. Reinstein, Glenn I. Carp, Timothy J. Archer, Marine Gobbe. **'SMILE and LASIK in low myopia'**. Journal of Refractive Surgery. 2015 Apr;31(4):279-280 [letter]

Dan Z. Reinstein, Glenn I. Carp, Timothy J. Archer, Marine Gobbe. **'Outcomes of small incision lenticule extraction (SMILE) in low myopia'**. Journal of Refractive Surgery. 2014 Dec;30(12):812-818

D Z Reinstein, T E Yap, G I Carp, T J Archer, M Gobbe. **'Reproducibility of manifest refraction between surgeons and optometrists in a clinical refractive surgery practice'**. Journal of Cataract and Refractive Surgery. 2013 Mar;40(3):450-459

K R Pradhan, D Z Reinstein, G I Carp, T J Archer, M Gobbe, R Gurung. **'Femtosecond laser assisted keyhole Endokeratophakia: Correction of hyperopia by implantation of an allogeneic lenticule obtained by small incision lenticule extraction from a myopic donor'**. Journal of Refractive Surgery. 2013 Nov;29(11):777-782.

D Z Reinstein, G I Carp, T J Archer, M Gobbe. **'Transitioning from mechanical microkeratome to femtosecond flap creation: comparing experienced vs novice LASIK surgeon visual outcomes for the first 200 myopic procedures'**. Journal of Cataract and Refractive Surgery. 2012 Oct;38(10):1788-1795.

G I Carp. **'What Makes a Good Refractive Procedure? The Optimal Approach in Patients with Hyperopia'**. Journal of Cataract and Refractive Surgery Today Europe. Sep 2012

D Z Reinstein, G I Carp, T J Archer, M Gobbe. **'LASIK for the correction of presbyopia in emmetropic patients using aspheric ablation profiles and a micro-monovision protocol with the Carl Zeiss Meditec MEL80 and VisuMax'**. Journal of Refractive Surgery. 2012 Aug;28(8):531-541.

G I Carp, T Verhamme, M Gobbe, W H Ayliffe, D Z Reinstein. **'Surgically induced corneal necrotizing keratitis following LASIK in a patient with inflammatory bowel disease'**. Journal of Cataract and Refractive Surgery. 2010 Oct;36(10):1786-1789.

T R Carmichael, W J Kalk, G I Carp, N D Welsh. **'Preventing diabetic retinopathy by managing risk factors in type 2 diabetes'**. SA Ophthalmology Journal 2007; 2(1):12-18.

A Day and G Carp. **'Response to Thyagarajan et al's audit: "An audit of corneal abrasion management following the introduction of local guidelines in an accident and emergency department"'**. *Journal of Emergency Medicine* 2006; 23(12) October: 959.

T R Carmichael, W J Kalk, G I Carp, N D Welsh. **'Factors associated with type 2 Diabetic Retinopathy in Johannesburg, South Africa'**. Published in the conference proceedings of the 21st Congress of the Asia-Pacific Academy of Ophthalmology June 2006

T R Carmichael, G I Carp, N D Welsh, W J Kalk. **'Effective and accurate screening for diabetic retinopathy using a 60° mydriatic fundus camera'**. *South African Medical Journal* 2005; 95:57-61.

T R Carmichael, G I Carp, N D Welsh. **'Screening for sight-threatening diabetic retinopathy in South Africa using a mydriatic fundus camera'**.

The Specialist Forum 2004; Vol. 4: 25-43.

G D McLaren and G I Carp. **'A four year retrospective study review on sulcus fixated intraocular lenses: St John Eye Hospital, Johannesburg, South Africa'**. Published in the proceedings of the Annual South African Ophthalmology Congress, April 1995

G I Carp **'Review of intraocular pressure and neuroprotection in glaucoma patients'**. *Ophthalmic News* August 1999

T R Carmichael and G I Carp. **'Fifth year medical student lecture series handbook'**. University of the Witwatersrand 1999

AWARDS AND PRIZES

Feb 2004 **'Elie Dahan Prize' Best registrar in Ophthalmology**
Johannesburg, South Africa

Mar 2000 **'Tetje Pattison Bequest' Research in Ophthalmology**
Johannesburg, South Africa

Mar 2000 **'OSSA 2000 Registrar Prize' Best presentation – joint winner**
Johannesburg, South Africa

LEADERSHIP AND MANAGEMENT EXPERIENCE

Leadership and management skills are vital in promoting good clinical practice and ensuring the smooth running of a team. I have undertaken the following during my career:

- I currently play an active role in the day to day management and organisation of the London Vision Clinic and am an active participant in the weekly management meetings.
- I am the clinical lead responsible for managing the London Vision Clinic optometric team.
- Principle surgeon in the management of keratoconus treatment at the London Vision Clinic.
- Committee member 5 years (Treasurer 3 years) of the Medical Contact Lens and Ocular Surface Association
- Committee member of the Consultant Management committee, Department of Ophthalmology, University of Witwatersrand, Johannesburg, South Africa 2004
- Representative of the intern medical doctors to the Hospital board at Frere Hospital, East London, South Africa 1997
- Representative of the National Interns Alliance, Border region, South Africa 1997

TEACHING EXPERIENCE

Teaching is of great importance and I am always keen to pass on my skills and knowledge to junior colleagues as was afforded to me during my early career. I have undertaken the following teaching activities:

- I am a lecturer on the Ulster University Refractive Course, PgDip/MSc Cataract & Refractive Surgery (Theory). The course covers the basics of refractive surgery from how excimer lasers work to ablation profiles and topography and aberrometry. It progresses through microkeratomes and femtosecond lasers to LASEK, LASIK, phakic IOLs and clear lens extractions and the complications and management of each. Pre-op assessment and post-op follow up, prevention and management of complications, surgical variants of phaco, and modern intraocular lenses (IOLs) for cataract surgery will also be covered. It is designed to be a complete introduction to the how, what, when of cataract and refractive surgery.
- I have been responsible for the training of four clinical fellows at the London Vision Clinic in conjunction with Prof Dan Reinstein. Each fellow completed a one year laser refractive clinical observer ship with an emphasis in both pre and post-operative as well as surgical management of Laser refractive surgery and corneal collagen cross linking for keratoconus.
- I am a lecturer bi annually to groups of optometrists on topics related to laser eye surgery and keratoconus treatment run by the London Vision Clinic
- Teaching sessions at the London Vision Clinic on Refractive laser surgery, Keratoconus and general ophthalmology to optometrists and nursing staff
- Acted as ICCAT examiner, St Mary's Hospital, London, UK
- Lectured to nursing staff at Western Eye Hospital on keratoconus, corneal graft surgery, microbial keratitis and ophthalmic emergencies
- Delivered internet-based lectures for the graduate entry medical program for the University of Witwatersrand on anatomy of the retina and the visual pathway
- Lecturer to fifth-year medical students on glaucoma and neuro-ophthalmology
- Lecturer at fortnightly tutorials to fifth-year medical students for the full academic year at University of Witwatersrand from 1999 to 2004
- Lectured on the HIV Diploma course at University of Witwatersrand on Ophthalmic pathology in relation to HIV from 2002 to 2004
- Lectured to nursing students at Johannesburg Nursing College and Chris Hani Baragwaneth Hospital

IT SKILLS

I am computer literate and am confident in using Microsoft Office, (Advanced training in Microsoft Word and Excel) Adobe Photoshop, NexTech EMR and the Internet.

PERSONAL INTERESTS

I am currently involved in the London Vision Clinic Foundation, established to provide humanitarian Laser Eye Surgery in Kathmandu, Nepal. I have been involved in the medical and surgical care of patients as well as in the training of surgeons, opticians and laser technicians for the refractive unit established at the Tilganga Eye Hospital in Kathmandu since 2011. I have so far been back on an annual basis to provide week long clinical and surgical treatment and training programs at the unit. In addition I am responsible for reviewing patient care and clinic systems via a telemedicine internet based system on a weekly basis.

I have also undertaken charity work for The Bureau for the Prevention of Blindness and performed cataract surgery on their cataract outreach camps in South Africa. I participated in 12 tours over a 6 year period. These tours, in addition to cataract surgery, involved screening and general ophthalmic outpatient clinic sessions for the local indigenous population in rural areas throughout South Africa.

On a personal level I have an interest in photography and art and am passionate about all sports. I am actively involved in fly fishing, snow skiing, cycling, kite surfing and trekking although of course not all at the same time!

REFEREES

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