



## Darlene E Lubbe

**Nationality:** South African

**University:** University of Cape Town

**University website:** <https://health.uct.ac.za/home/otorhinolaryngology-ent>

**Private practice website:** <https://sinussurgeons.co.za>

**Email:** [darlene.lubbe@uct.ac.za](mailto:darlene.lubbe@uct.ac.za)

### Personal Details

<b>Title</b>	Professor
<b>Name and Surname</b>	Darlene E Lubbe
<b>Department</b>	Division of Otorhinolaryngology
<b>Division</b>	Department of Surgery
<b>Current position</b>	Head of Unit (HOU), Professor, Head of Rhinology
<b>Period in current appointment</b>	Since 2003, 20 years
<b>Source of funding (GOB/*Research/ Other)</b>	Employed by PGWC & UCT
<b>Rhinology private practice</b>	Cape Town Mediclinic, 21 Hof Street, Oranjezicht

### Qualifications

- MBChB Stellenbosch University, Cape Town; 1990 - 1995: – graduated with distinction in Surgery
- FCORL(SA) 2003, University of Cape Town

### Positions held and details of current position

- **Professor**, Division of Otolaryngology (Full Professorship obtained 25 October 2023)
- **Head of Unit**, Division of Otorhinolaryngology, Groote Schuur Hospital, Cape Town
  - **2004 - Current**
  - Sub-speciality interest: Endoscopic Sinonasal & Skull base, Transorbital surgery
  - 20 Years postgraduate tertiary level clinical experience in endoscopic sinus surgery
  - Head of Groote Schuur Hospital Karl Storz endoscopic sinus surgery training centre and Sub-Saharan training programme in endoscopic sinus surgery with 10 Rhinology fellows trained
  - Part of the interdisciplinary anterior skull base team (ENT & Neurosurgery & Ophthalmology)
- **2003 - 2004:** Specialist, Division of Otorhinolaryngology, Groote Schuur Hospital
- **2000 - 2003:** Registrar in Otorhinolaryngology, University of Cape Town
- **1998 - 1999:** Senior house officer in Otorhinolaryngology & Cardiothoracic surgery, Provincial & Livingstone Hospitals, Port Elizabeth, South Africa

- **1997:** Surgical assistant to Cardiothoracic surgeons, Panorama & City Park Hospitals
- **1996:** Internship, Somerset Hospital, Cape Town
- **1990 - 1995: MBChB** Stellenbosch University, Cape Town – graduated with distinction in Surgery
- **1989:** Senior Certificate – A aggregate

### **Research summary**

- ORCID ID: [0000-0002-1065-0694](https://orcid.org/0000-0002-1065-0694)
- Web of Science Researcher ID: [IAR-5681-2023](https://www.researcherid.org/rid/AR-5681-2023)
- Scopus author ID: [8522520600](https://orcid.org/8522520600)
- [Google Scholar ID:](#)
- [Dimensions](#)

Google Scholar profile: h-index citations	<ul style="list-style-type: none"> <li>▪ h-index 12</li> <li>▪ i10-index 18</li> <li>▪ Publications 57</li> <li>▪ Citations 393</li> </ul>
Other Notable Research Awards	<ul style="list-style-type: none"> <li>▪ Gold Winner Medical Device Excellence Award 2021 for Trachealator</li> </ul>

### **Publications**

- 1 [Endoscopic transnasal removal of migrated dental implants](#)  
DE Lubbe, S Aniruth, T Peck, S Liebenberg  
British dental journal 204 (8), 435-436
- 2 [Development of the international orbital Cavernous Hemangioma Exclusively Endonasal Resection \(CHEER\) staging system](#)  
E El Rassi, ND Adappa, P Battaglia, P Castelnuovo, I Dallan, SK Freitag, ...  
International Forum of Allergy & Rhinology 9 (7), 804-812
- 3 [Endoscopic resection of skull base tumours utilising the ultrasonic dissector](#)  
DE Lubbe, N Fisher-Jeffes, P Semple  
The Journal of Laryngology & Otology 126 (6), 625-629
- 4 [Alcohol sclerotherapy of human immunodeficiency virus related parotid lymphoepithelial cysts](#)  
E Meyer, DE Lubbe, JJ Fagan  
The Journal of Laryngology & Otology 123 (4), 422-425
- 5 [Minimally invasive endo-orbital approach to sphenoid wing meningiomas improves visual outcomes—our experience with the first seven cases](#)  
D Lubbe, H Mustak, A Taylor, J Fagan  
Clinical Otolaryngology 42 (4), 876-880

- 6 [HIV and ENT: main topic](#)  
DE Lubbe  
CME: Your SA Journal of CPD 22 (5), 250-253
- 7 [Endotracheal tube cuff pressures—the worrying reality: a comparative audit of intra-operative versus emergency intubations](#)  
JK Bernon, H Carrara  
South African Medical Journal 103 (9), 641-643
- 8 [Pre-operative assessment of patients undergoing endoscopic, transnasal, transsphenoidal pituitary surgery](#)  
D Lubbe, P Semple  
The Journal of Laryngology & Otology 122 (6), 644-646
- 9 [Revisiting the risks involved in using homograft ossicles in otological surgery](#)  
D Lubbe, JJ Fagan  
The Journal of Laryngology & Otology 122 (2), 111-115
- 10 [South African survey on disinfection techniques for the flexible nasopharyngoscope](#)  
DE Lubbe, JJ Fagan  
The Journal of Laryngology & Otology 117 (10), 811-814
- 11 [Transorbital endoscopic surgery for sphenoid wing meningioma: long-term outcomes and surgical technique](#)  
N Goncalves, DE Lubbe  
Journal of Neurological Surgery Part B: Skull Base 81 (04), 357-368
- 12 [Pre-caruncular approach to the medial orbit and landmarks for anterior ethmoidal artery ligation: a cadaveric study](#)  
MMK Cornelis, DE Lubbe  
Clinical Otolaryngology 41 (6), 777-781
- 13 [Avoiding allogenic blood transfusions in endoscopic angiofibroma surgery](#)  
H Wasl, J McGuire, D Lubbe  
Journal of Otolaryngology-Head & Neck Surgery 45 (1), 1-5
- 14 [Retained knife blades in the ear, nose and throat: three cases](#)  
AC Van Lierop, O Raynham, O Basson, DE Lubbe  
The Journal of Laryngology & Otology 123 (3), 351-355
- 15 [Peroral drainage of post-traumatic sialocoeles: report of three cases](#)  
Edkins, AC Van Lierop, JJ Fagan, DE Lubbe  
The Journal of Laryngology & Otology 123 (8), 922-924
- 16 [Use of surgical sealant in the prevention of pharyngocutaneous fistula after total laryngectomy](#)

- KA Stephenson, S Pandey, DE Lubbe, JJ Fagan  
Head & neck 40 (12), 2606-2611
- 17 [Cerebrospinal fluid rhinorrhoea after nasal packing for epistaxis: case report](#)  
Edkins, CT Nyamarebvu, D Lubbe  
The Journal of Laryngology & Otology 126 (4), 421-423
- 18 [Malignant proliferating trichilemmal tumor involving the sinuses](#)  
T Harris, E Meyer, DE Lubbe, W Smit, C Walker  
Ear, Nose & Throat Journal 90 (7), E5-E8
- 19 [Success rate of myringoplasty at Groote Schuur Hospital](#)  
J Becker, D Lubbe  
South African Medical Journal 101 (10), 740-742
- 20 [Tracheal stenosis: preventable morbidity on the increase in our intensive care units](#)  
OW Raynham, DE Lubbe, JJ Fagan  
SAMJ: South African Medical Journal 99 (9), 645-646
- 21 [Contralateral precaruncular approach to the lateral sphenoid sinus—a case report detailing a new, multiportal approach to lesions, and defects in the lateral aspect of well ...](#)  
DE Lubbe, P Douglas-Jones, H Wasl, H Mustak, PL Semple  
Ear, Nose & Throat Journal 99 (1), 62-67
- 22 [Transorbital endoscopic surgery](#)  
D Lubbe, H Mustak, K Seayaroh, N Goncalves, J Fagan  
Current Otorhinolaryngology Reports 7, 173-180
- 23 [Allergic fungal sinusitis secondary to \*Acremonium\* species causing unilateral visual loss](#)  
WK Mulwafu, DE Lubbe, M Garb  
East and Central African Journal of Surgery 11 (1), 62-64
- 24 [An unusual orbital foreign body resulting in the orbital apex syndrome: report of a case](#)  
DE Lubbe, I Gardiner, JJ Fagan  
Archives of Otolaryngology–Head & Neck Surgery 131 (6), 526-528
- 25 [Spontaneous lateral sphenoid cerebrospinal fluid fistula: MRI diagnosis](#)  
M Goodier, D Lubbe, S Andronikou, R Truter  
SA Journal of Radiology 16 (1)
- 26 [Endoscopic trans-sphenoidal drainage of petrous apex cholesterol granulomas](#)  
Edkins, D Lubbe, A Taylor  
South African Journal of Surgery 48 (3), 94-96

- 27 [Advances in endoscopic sinonasal and anterior skull base surgery](#)  
D Lubbe, P Semple, JJ Fagan  
South African Medical Journal 98 (8), 623-625
- 28 [Prospective Observational Trial of a Nonocclusive Dilatation Balloon in the Management of Tracheal Stenosis](#)  
R Hofmeyr, J McGuire, K Park, M Proxenos, S Peer, M Lehmann, D Lubbe  
Journal of Cardiothoracic and Vascular Anesthesia 36 (8), 3008-3014
- 29 [Transorbital approaches to the sinuses, skull base and intracranial space](#)  
DE Lubbe, KS Moe  
Endoscopic Surgery of the Orbit: Anatomy, Pathology, and Management ...
- 30 [Multilevel dilatation of tracheal and bronchial stenosis using a non-occlusive tracheal dilatation balloon in a patient with sclerosing airway disease](#)  
R Hofmeyr, J McGuire, P Douglas-Jones, M Proxenos, K Park, D Lubbe  
Journal of Cardiothoracic and Vascular Anesthesia 31, S6-S7
- 31 [Transorbital neuroendoscopic surgery \(TONES\)](#)  
D Lubbe  
ENT & Audiology News
- 32 [Primary atypical carcinoid tumour of the sphenoid sinus rostrum](#)  
KA Stephenson, DE Lubbe  
Case Reports in Otolaryngology 2014
- 33 [Innovation in endoscopic management of tracheal stenosis](#)  
R Hofmeyr, D Lubbe  
Trends in Anaesthesia and Critical Care 30, e165
- 34 [How we do it: endoscopic tracheal dilatation technique using a supraglottic airway device and non-occlusive balloon](#)  
R Hofmeyr, D Lubbe  
The Journal of Laryngology & Otology, 1-3
- 35 [Orbito-Cranial Gunshot Injuries with Retained Sinonasal Bullets](#)  
G Viljoen, S Tromp, N Goncalves, P Semple, D Lubbe  
Journal of Maxillofacial and Oral Surgery 20, 551-557
- 36 [Surgical intervention for binocular blindness in pituitary apoplexy](#)  
DE Lubbe, N Mankahla, H Carrara, P Semple  
Interdisciplinary Neurosurgery 18, 100490

- 37 [Mucoceles of the Paranasal Sinuses](#)  
DE Lubbe  
Basic Sciences Endocrine Surgery Rhinology, 1107-1112
- 38 [Endoscopic Resection and Postoperative Brachytherapy in the Treatment of Sinonasal Melanoma](#)  
T Harris, C Stannard, D Lubbe  
Journal of Case Reports in Medicine 3 (1)
- 39 [Endoscopic transnasal removal of migrated dental implants](#)  
DE Lubbe, S Aniruth, T Peck, S Liebenberg  
International Journal of Oral and Maxillofacial Surgery 38 (5), 464
- 40 [Rhinosinusitis: management guidelines](#)  
D Lubbe  
Continuing Medical Education 27 (8)
- 41 [Tips and tricks for maximizing access to the middle cranial fossa using the superior lateral orbital portal](#)  
TA Patel, H Mustak, DE Lubbe  
The Journal of Laryngology & Otology, 1-23
- 42 [How We Do It: Using the Nasion as a Landmark for Identifying the Anterior Ethmoidal Artery](#)  
TA Patel, D Lubbe  
The Journal of Laryngology & Otology, 1-13
- 43 [Incidence of secondary atrophic rhinitis following endoscopic sinonasal tumour surgery: a retrospective](#)  
MS Kamedien, TF Din, D Lubbe
- 44 [20 Transorbital Neuroendoscopic Surgery of the Skull Base and Brain](#)  
KS Moe, DE Lubbe  
Transnasal Endoscopic Skull Base and Brain Surgery: Surgical Anatomy and its ...
- 45 [‘Smart’grommets](#)  
N Goncalves, D Lubbe, S Peer, J Fagan  
The Journal of Laryngology & Otology 133 (2), 155-156
- 46 [Transorbital Approach to Sphenoid Wing Meningiomas](#)  
DE Lubbe, H Mustak, KS Moe  
Endo Press
- 47 [Minimally invasive approach for lesions involving the frontal sinus](#)  
DE Lubbe, KA Stephenson, P Semple

South African Journal of Surgery 53 (2), 62-64

- 48 [Recurrent meningitis in a child secondary to a parasellar arachnoid cyst: A case report](#)  
T Harris, D Lubbe, P Semple  
International Journal of Pediatric Otorhinolaryngology Extra 6 (3), 128-130
- 49 [Pansinusitis in an HIV-infected patient due to Scedosporium apiospermum \(Pseudallescheria boydii complex\)](#)  
C Kenyon, M Mendelson, D Lubbe, B Khoury, H Vismer, R Hoffman  
Southern African Journal of Epidemiology and Infection 26 (2), 88-89
- 50 [An approach to the patient with a post-nasal drip and rhinosinusitis](#)  
DE Lubbe  
SA Pharmaceutical Journal 77 (4), 28-32
- 51 [An approach to the patient with a post-nasal drip and rhinosinusitis](#)  
DE Lubbe  
South African Family Practice 51 (5), 376-380
- 52 [Transorbital Neuroendoscopic Surgery \(TONES\)](#)  
D Lubbe, N Goncalves
- 53 [Álvarez Lerma, F., Sánchez García, M., Lorente, L., Gordo, F., Añón, JM, Álvarez, J.,... Jam, R.\(2014\). Guidelines for the prevention of ventilator-associated pneumonia and ...](#)  
JK Bernon, C McGuire, H Carrara, D Lubbe  
Mestrado em Enfermagem, 61
- 54 [Juvenile Nasopharyngeal Angiofibromas: Blood, Sweat, Tears and Fresh Ideas-how we do it](#)  
H Wasl, DE Lubbe
- 55 [similar imaging modality. The clinical presentation, diagnosis, and treatment strategies are reviewed along with the current literature.](#)  
T Harris, D Lubbe, P Semple
- 56 [Removing a displaced palatal root](#)  
DE Lubbe, S Aniruth, T Peck

## Books

- Transorbital surgery for sphenoid wing meningiomas – Endo Press, Karl Storz Endoscopy, 2017. **1<sup>st</sup> author**. E

## Book chapters

1. Bleier, Benjamin S., Suzanne K. Freitag, Raymond Sacks, Nithin D. Adappa, Catherine Banks, Henry P. Barham, Adam P. Campbell, et al. n.d. *Endoscopic Surgery of the Orbit. Chapter 16. Transorbital Approaches to the Sinuses, Skull Base, and Intracranial Space* <https://doi.org/10.1055/b-006-160139>. **1<sup>st</sup> author**
2. Lubbe, Darlene E, and Kris S Moe. 2019. "Transorbital Approaches to the Sinuses, Skull Base and Intracranial Space." *Endoscopic Surgery of the Orbit: Anatomy, Pathology, and Management*. Stuttgart: Thieme Medical Publishers. **1<sup>st</sup> author**
3. Lubbe, Darlene, and Hamzah Mustak. 2021. "Integrated Management of Complex Intracranial Lesions – Combined Endonasal and Transorbital Approach." In. <https://doi.org/10.1017/9781108908610.003>. **1<sup>st</sup> author**
4. Moe, Kris S, and Darlene E Lubbe. 2019. "20 Transorbital Neuroendoscopic Surgery of the Skull Base and Brain." *Transnasal Endoscopic Skull Base and Brain Surgery: Surgical Anatomy and Its Applications*, 186. **2<sup>nd</sup> author**
5. Stamm, Aldo Cassol, João Mangussi-Gomes, Ahmed Salama Abdelmeguid, Julio Abucham, Luiz Carlos de Alencastro, Luiz Felipe U. de Alencastro, Joao Paulo Almeida, et al. n.d. *Transnasal Endoscopic Skull Base and Brain Surgery*. Chapter 20. Transorbital Neuroendoscopic Surgery of the Skull Base and Brain. Moe K, Lubbe D. <https://doi.org/10.1055/b-006-164723>. **2<sup>nd</sup> author**
6. Vijay Argawal (Editor). Integrated Management of Complex Intracranial Lesions: Open, Endoscopic, and Keyhole Techniques. Date published: January 2022. Online ISBN: 9781108908610. DOI: <https://doi.org/10.1017/9781108908610>. Darlene Lubbe, Hamzah Mustak. **1<sup>st</sup> author**
7. Andrew C. Swift, Christopher de Souza, Sean Carrie (Editors). Contemporary Rhinology: Science and Practice. ISBN 9783031286896, 3031286898. Chapter 37. Transorbital Endoscopic Surgery of the Paranasal Sinuses and Skull Base. Darlene Lubbe, Nic Goncalves. Springer International Publishing. For publication 30 July 2023. **1<sup>st</sup>** [https://www.google.co.za/books/edition/Contemporary\\_Rhinology\\_Science\\_and\\_Pract/nEuszwEACAAJ?hl=en](https://www.google.co.za/books/edition/Contemporary_Rhinology_Science_and_Pract/nEuszwEACAAJ?hl=en)
8. Theodore H. Schwartz, Kris Moe (Editors). Springer. Transorbital Skull Base Surgery. Otolaryngology perspective. D. Lubbe, H. Mustak – awaiting publication later in 2023 **1<sup>st</sup> author**
9. Theodore H. Schwartz, Kris Moe (Editors). Springer. Transorbital Skull Base Surgery. Extraconal tumours. H. Mustak, D. Lubbe – awaiting publication later in 2023 **2<sup>nd</sup> author**
10. Valerie Lund (Editor). Cummings Otolaryngology 8e" to be published by Elsevier. Sino-Orbital Interface Barak Ringel, Benjamin S. Bleier, Darlene Lubbe, Peter J. **3<sup>rd</sup> author** – for publication 2024



## Patents

Registered patent worldwide – <https://www.lens.org/lens/patent/060-828-196-227-852/frontpage>

### Airway dilation device and associated method of deployment

MR Proxenos, KS Park, M Lehmann, G Vizirgianakis, DE Lubbe, DL Lloyd. US Patent App. 16/860,596

## Research: scholarly presentations at congresses

### 5.11.1 International – Keynote and Invited International talks in past 2 years:

- More than 28 international Keynote & Invitational Lectures have been given since 2019

Name	Place	Date	Title
<b>4<sup>th</sup> International Transorbital Skull Base meeting</b>	Seoul, South Korea	2-4 Nov 2023	Transorbital surgery: Other approaches Transorbital surgery: Complications
<b>SANTO-RHINO III – Santorini, Sinus Skull Base and Rhinoplasty Workshop and Consensus Meeting</b> <a href="https://eafps.org/event/santo-rhino-iii-santorini-sinus-skull-base-and-rhinoplasty-workshop-and-consensus-meeting/">https://eafps.org/event/santo-rhino-iii-santorini-sinus-skull-base-and-rhinoplasty-workshop-and-consensus-meeting/</a>	Santorini, Greece	12-14 Oct 2023	1. Transorbital surgery to the skull base 2. Faculty 3. Part of consensus meeting on TONES 4. Live cadaveric demonstrator
<b>Mauritius National Society meeting 2023</b>	Mauritius	12-13 Aug 2023	1. Transorbital surgery to the skull base 2. Management of tracheal stenosis with non-occlusive balloon dilatation
<b>58<sup>th</sup> Course on Rhinosurgery</b> <a href="https://www.ent-graz.com/programme/">https://www.ent-graz.com/programme/</a>	Graz, Austria	12-15 July 2023	1. To/Through the orbit and beyond: Final frontiers and Limitations of Endoscopic Skull Base Surgery 2. Juvenile Angiofibroma endoscopic management
<b>29<sup>th</sup> Congress of the European Rhinologic Society</b> <a href="https://ers-isian2023.com/">https://ers-isian2023.com/</a>	Sofia, Bulgaria	18-22 June 2023	1. <b>KEYNOTE</b> speaker for opening day 3 2. Chair: Endoscopic transorbital approaches to the orbit: how I do it 3. Panellist: Transorbital surgery
<b>XXXIV Congress of the Nordic Association of Otolaryngology</b> <a href="https://orl2023.is/">https://orl2023.is/</a>	Reykjavik, Iceland	24-26 May 2023	1. Transorbital surgery to address lesions of the skull base, sinuses and orbit 2. Multiportal surgery to address lesions involving the frontal sinus

<b>OHNS Grand Rounds, University of California</b> <a href="https://ohns.ucsf.edu/events/grand-rounds-prof-darlene-lubbe">https://ohns.ucsf.edu/events/grand-rounds-prof-darlene-lubbe</a>	University of California via Zoom	15 March 2023	<b>Grand Rounds Keynote</b> Invited Lecture: The role of multiportal and transorbital surgery in Otolaryngology
<b>Global Rhinology Network (GRN) Academy:</b> Inaugural Grand Round on Advanced Rhinology and Skull Base Surgery – Keynote Lecture <a href="https://www.globalrhinology.org/">https://www.globalrhinology.org/</a>	London via Zoom	21 April 2023	<b>KEYNOTE</b> Speaker at the Inaugural Grand Round Event with lecture attendance of 30 000 ENT surgeons <ul style="list-style-type: none"> <li>• Transorbital Surgery for Otolaryngologists</li> </ul>
3rd International Hands-on Workshop ENDOSCOPIC TRANSORBITAL SKULL BASE SURGERY	Missed this because of VISA issues	10-11 Nov 2022	Invited as main speaker and demonstrator at this course but due to visa expiry could not attend at last minute
Complex Tracheal Surgery Webinar	Via Zoom	1 Sept 2022	Management of tracheal stenosis using a non-occlusive tracheal balloon (Prof Lubbe & Prof Hofmeyr)
57 <sup>th</sup> Course on Rhinosurgery	Graz, Austria, via Teams	16 July 2022	Guest lecture: <ul style="list-style-type: none"> <li>• Through the Orbit and Beyond</li> <li>• (Via Teams because could not attend in person)</li> <li>• Endoscopic management of JNA</li> </ul>
AO CMF / Global Neuro Event – “Craniofacial on the Couch” Tips and Tricks from the Masters	London, UK	21 June 2022	Invited “Master” Talk <ul style="list-style-type: none"> <li>• Endoscopic Transorbital Surgery</li> </ul>
British Association of Oral and Maxillofacial Surgeon’s Annual Scientific Meeting “London 2022 – Facing the Future.” <a href="http://BAOMS2022AnnualScientificMeeting(talkingslideshd.com)">BAOMS 2022 Annual Scientific Meeting (talkingslideshd.com)</a>	London, UK	22-24 June 2022	<b>KEYNOTE LECTURE:</b> <ul style="list-style-type: none"> <li>• Transorbital Skull Base Surgery</li> </ul>
15th Wessex Advanced Sinus Surgery Course	Winchester, UK	25-26 June 2022	Invited guest lecturer and demonstrator <ul style="list-style-type: none"> <li>• Transorbital skull base surgery for ENTs</li> </ul>
British Oculoplastic Surgery Society <a href="https://www.bopss.co.uk/meetings/bopss-2022-manchester/manchester-2022-programme/">https://www.bopss.co.uk/meetings/bopss-2022-manchester/manchester-2022-programme/</a>	Manchester, UK, given via zoom	15 June 2022	Invited guest lecturer. Could not give in person, so given via pre-recorded talk <ul style="list-style-type: none"> <li>• Transorbital endoscopic approaches to skull base pathology</li> </ul>
Weill Cornell Medicine: Transorbital skull base surgery: International hands-on course Transorbitalskullbase.org	New York, USA	3-4 June 2022	Invited Speaker <ul style="list-style-type: none"> <li>• SA experience with transorbital surgery</li> <li>• Course Instructor</li> </ul>
Australian National conference <b>RACS 90th Annual Scientific Congress 2022</b> <a href="https://asohns.org.au/Events/Australian-New-Zealand-Events/RACS-ASC-2022">https://asohns.org.au/Events/Australian-New-Zealand-Events/RACS-ASC-2022</a>	Brisbane, Australia (via zoom)	3-4 May 2022	<b>KEYNOTE SPEAKER</b> Invited guest speaker (could not attend in person so gave keynote lecture via zoom) <ol style="list-style-type: none"> <li>1. Tracheal dilatation</li> <li>2. Minimal vs Extensive Sinus Surgery</li> </ol>

			3. Novel & alternative surgical approaches to orbital, sinus and skull base pathology
ENT UK national Spring meeting at the Royal college of surgeons	London, UK	8 April 2022	<b>KEYNOTE</b> lecture and Lionel Colledge Lectureship Award <ul style="list-style-type: none"> <li>• Transorbital surgery to address lesions of the sinuses, skull base and orbit</li> </ul>
Toynbee Imperial College meeting	Toynbee, UK	7 April 2022	Invited lecture at the local London ENT meeting & journal club: Transorbital Surgery
11 <sup>th</sup> Singapore Sleep, Allergy and Rhinology Virtual Conference (SARC)	Virtual because of Covid-19	13-14 Nov 2021	Invited Speaker <ul style="list-style-type: none"> <li>• Challenging Cases involving The Maxillary Sinus – How I Do It</li> <li>• The limits of frontal sinus surgery</li> </ul>
ENT Masterclass 'Global Townhall', 6-7th March 2021	Virtual (Covid-19)	6-7 March 2021	Invited speaker <ul style="list-style-type: none"> <li>• Transorbital skull base surgery</li> </ul>
BACO International 2020 (postponed to Jan 2021 because of Covid-19)	Virtual (Covid-19)	11 Jan 2021	Invited speaker: <ul style="list-style-type: none"> <li>• Debate: Early versus late surgical intervention for Chronic rhinosinusitis - Carl Philpott vs - Darlene Lubbe</li> <li>• Innovations in anterior skull base approaches, incl robotics</li> </ul>
<b>Other important Keynote International lectures prior to 2021:</b>			
Grand Rounds Stanford University	Stanford, USA	23 Jan 2020	Grand Rounds Invited Lecturer at Stanford University on Transorbital Surgery
Rhinoforum 2019	Warsaw, Poland	28 Nov 2019	<b>KEYNOTE</b> opening lecture <ul style="list-style-type: none"> <li>• Transorbital surgery – managing lesions of the sinuses, orbit and skull base</li> </ul>
41 <sup>st</sup> Turkish National Otorhinolaryngology, Head & Neck Surgery Congress	Antalya, Turkey	13-17 Nov 2019	Invited speaker <ul style="list-style-type: none"> <li>• Transorbital surgery</li> </ul>
Rhinology World Congress – Hong Kong 2017	Hong Kong	1-3 Sept 2017	Invited speaker
<b>Rhinoworld 2019; Chicago, IL, USA:</b> Invited to sit on Transorbital panel & Chair a session	Chicago, IL, USA		Invited speaker <ul style="list-style-type: none"> <li>• Transorbital panel &amp;</li> <li>• Chair a session</li> </ul>
RhinoEgypt 25, March 7-9, 2019	Cairo, Egypt	7-9 March 2019	Invited Speaker <ul style="list-style-type: none"> <li>• Transorbital surgery – management of the orbit and sinuses</li> <li>• Step-by-step instruction course</li> <li>• Thyroid eye disease</li> </ul>
360-Degree Skull Base Course - IRCAD	France	22-25 Jan 2019	Invited speaker and tutor at this very prestigious course at the IRCAD

**Prior to 2021: Invited International Speaker**

**2005 – 2019:**

1. **2005:** Presented 2 days of lectures and a cadaver dissection course on a Functional Endoscopic Sinus surgery, Harare, Zimbabwe
2. **2006:** Organised and presented at the 1<sup>st</sup> Advanced Endoscopic Sinus surgery course held in Cape Town with Mr Sean Carrie from the UK. Had 40 participants and 2 full days of cadaver dissection using image-guidance systems
3. **2007:** Presented 1 day of lectures and a cadaver dissection course on endoscopic sinus surgery in Dakar, Senegal 13 – 14 Jan 2007. Attended by ENT surgeons from 6 West-African countries
4. **2007:** Guest speaker at West African College of Surgeons' 47<sup>th</sup> Annual Conference, held January 14-19 2007 in Dakar, Senegal. Presentation on 'Advances in Endoscopic sinonasal and anterior skull base surgery at Groote Schuur Hospital, Cape Town
5. **2007:** Guest speaker at the International Conference on Otolaryngology Update 2007, Sharm Al Sheikh, Egypt; 7-10 Feb 2007. Presentation on advances in anterior skull base surgery.
6. **2007:** Presented a 3-day course consisting of lectures and cadaver demonstrations on functional endoscopic sinus surgery, Kampala, Uganda
7. **2007:** Panelist for international round table discussion on 'Endoscopic surgery of the skull base: what are the advantages, limitations and complications'; 12<sup>th</sup> International Society of Rhinology meeting, Venice, Italy
8. **2008:** 2<sup>nd</sup> Endoscopic sinus surgery dissection course. In conjunction with Prof Lund from UK. To be held on 26-28<sup>th</sup> Nov 2008
9. **2009:** Invited to be a facilitator on Endoscopic sinus surgery course, Newcastle upon Tyne, 25-27 March.
10. **2009, 2-4 April:** Presented a 2-day FESS course with cadaver demonstrations in Accra, Ghana with 12 participants
11. **2009, May 24-27.** Oral presentation delivered by S Aniruth (Endoscopic transnasal removal of migrated dental implants- Lubbe, Aniruth, Liebenberg), 9<sup>th</sup> International Conference on Oral and Maxillofacial Surgery to be held in Shanghai, China
12. **2009, June:** Invited panellist discussing "Controversies in Endoscopic skull base surgery" at the XIX ENT World congress – IFOS 2009, Brazil
13. **2009, June 1:** Oral presentation "Management of spontaneous CSF-leaks", XIX ENT World congress – IFOS 2009, Brazil
14. **2009, Sept:** Invited to be part of the faculty at the 4<sup>th</sup> World congress on endoscopic surgery of the brain, skull base and spine, Pittsburgh, USA, Sept 2009
15. **2010:** 4<sup>th</sup> Endoscopic sinus surgery dissection course held in collaboration with international speakers Prof H Stammberger and Mr Sean Carrie
16. **2012:** The 5<sup>th</sup> World Congress for Endoscopic Surgery of the Brain, Skull Base & Spine combined with The 1<sup>st</sup> Global Update on FESS, the sinuses & the nose: Vienna, Austria International speaker and panel discussion
17. **2012:** Endoscopic sinus surgery dissection course given with invited speaker Mr Sean Carrie, Sept 2012, Cape Town
18. **2013:** Attending course: State-of-the-Art Endoscopic Skull Base Surgery: A Hands-on Course May 23-26, 2013. Ohio, Columbus. Prof Ric Carrau
19. **2013: Invited speaker:** 7<sup>th</sup> international symposium on recent advances in rhinosinusitis and nasal polyposis, October 4<sup>th</sup> ~6<sup>th</sup> 2013, Matsue city, Shimane prefecture, Japan.
20. **2013: Invited speaker:** Austrian ORL Conference, Graz, Austria. 11-14 September 2013. Participated in 2

panel discussions on “The use of navigation in skull base surgery” and “Management of skull base lesions in Africa”

21. **2014:** Speaker and teacher on the Tygerberg Endoscopic Transsphenoidal Pituitary Surgery course, held at TBH, March 2014
22. **2014:** Hosting and organising and lecturing – sinus and skull base cadaver course, Cape Town, 16-17 Oct 2014 (International faculty Prof Stammberger and Prof Daniel Simmen)
23. **In 2015:** Invited as the Karl Storz trainer to host Sinus Surgery Course in Luanda, Angola.
24. **2016-2018:** Yearly SA courses at RXH on sinus surgery, invited speaker (as stated above) and lecturer, panel discussions on Endoscopic sinus and skull base work and Transorbital surgery in London, Warsaw, Barcelona, New Orleans, San Diego, Hong Kong.
25. **2017** – numerous local, national and international lectures, panel discussions, dissections > 10
26. **2018** – numerous local, national and international lectures, panel discussions, dissections > 15. Most NB:
  - **AAO-HNSF 2018 Annual Meeting & OTO Experience:** Atlanta, USA: 7-10 Oct 2018: Continuous ventilation during tracheal dilatation using a novel, non-occlusive tracheal dilator

	<b>As keynote/ invited speaker</b>	<b>Other e.g. Chairing session or poster presentation</b>
Number of local conferences attended in last five years:	> 10 invited speaker talks at National ENT conference, Maxillofacial & local courses / meetings	> 10 Chairing sessions at National meetings / co-author on registrar presentations
Number of international conferences attended in last five years:	30	Chairing at most of the conferences as invited speaker > 30

### 5.11.2 Local / National invited talks / presentations in last 2 years

Name	Place	Date	Title
ENT UK Master Talks: Cape Town – hosted by Glenmark	Century City, Convention Centre, Cape Town	2 Feb 2023	Management strategies for recalcitrant chronic sinusitis
Tygerberg Hospital Skull base course	Tygerberg Hospital	15-16 Feb 2023	1. Transorbital surgery to the skull base
African Airways Talks	Cape Town, SA	March 2023	Invited Speaker and demonstrator <ul style="list-style-type: none"> <li>• Management of tracheal stenosis</li> </ul>
South African ENT Congress	Sandton, SA	27-29 Oct 2022	2. Transorbital Surgery
Navigated Endoscopic Advanced Anterior Skull Base Surgery Course	Pretoria, SA	25-28 Aug 2022	Invited lecturer and tutor: Transorbital surgery for management of lesions of the skull base, orbit and sinuses (Invited talk) Was a tutor during the 4-day course

SA ENT Journal Club	Via Zoom	14 July 2022	ENT applications in Transorbital Surgery
SASMFOS Max-Facial congress	Cape Town, SA	25 Oct 2019	Invited Speaker <ul style="list-style-type: none"><li>• Transorbital endoscopic surgery</li></ul>

**Awards:**

- Medical Design Excellence Award 2021 for the Trachealator Non-Occlusive Balloon Device (with Da Vinci Robot coming in 2<sup>nd</sup> place) <https://www.mdeawards.com/en/2021-mdea-winners.html>
- The Trachealator has been CE and FDA approved and patented across the world
- Lionel Colledge Lectureship Award 2022
- The ENT Society Highest Merit Award 2016