

CURRICULUM VITAE

Associate Professor Dale Geoffrey Howes

B.Sc.(Dent); BDS; M.Dent. (Pros); FCD (SA); FICD

Professor of Prosthodontics
School of Dentistry
Faculty of Medicine and Health
University of Sydney
Sydney, Australia

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Personal Details

FULL NAME: Dale Geoffrey Howes

CONTACT DETAILS:

Mobile: +61 466835892

e-mail: dale.howes@sydney.edu.au

Profile Summary

Dale Geoffrey Howes

B.Sc. (Dent); BDS; M.Dent (Wits); FCD (SA) Pros; FICD.



Dale Howes has been recently been appointed Associate Professor, School of Dentistry, Faculty of Medicine and Health, at the University of Sydney, Australia. He was previously in full time private practice with part time appointment as adjunct professor in the department oral rehabilitation University of the Witwatersrand before taking over as the Professor and head of that department.

He is the immediate past president of the ISMR (International Society for Maxillofacial Rehabilitation), board member and treasurer of the ICP (International College of Prosthodontists), was an invited fellow of the International academy for Oral and Facial Rehabilitation (IAOFR) and served on the North American working group for Advanced Digital Technology in Craniofacial Reconstruction.

He has received peer review fellowships from the Colleges of Medicine of South Africa and the International College of Dentists serving as the regional Vice Regent. He is a past president of the Academy of Prosthodontics of South Africa, and founder member of the P-I Brånemark Institute of South Africa as well as the Face Value Foundation Trust, a Public Benefit Organisation. This PBO is dedicated to enhancing head and neck treatment and rehabilitation through comprehensive multidisciplinary care, research and education. He also started the Head and Neck support Group for cancer patients.

He was also awarded the Premier Award of the South African Dental Association (2016) and the I.Y. Sendulskogo Commemorative Medal of the Russian Partnership of Head and Neck Oncology Specialists for outstanding achievements in medicine. (2015). He has Awarded Best Presentations at the Nobel Biocare World Congress 2005 and the Academy of Osseointegration Boston 2008.

He has supervised Masters and PhD projects, been external examiner nationally and internationally as well as publishing research and book chapters in fields including head and neck cancer rehabilitation, occlusion and biomechanics.

He has developed innovative implant fixtures, components and protocols to solve hard and soft tissue constraints facilitating screw retained implant prostheses optimising patient management in the regular implant patient as well as for the patient compromised by head and neck trauma and cancer.

He has delivered International Invited and / or Keynote presentations worldwide including:

- The Academy of Osseointegration, USA;
- The Australasian Osseointegration Society;
- The British Society for the Study of Prosthetic Dentistry (BSSPD);
- The Latin American and Cuban Associations of Face Rehabilitation and Maxillofacial Prostheses;
- The Russian Implant Society
- The International Society for Maxillofacial Rehabilitation
- Russian Society for Craniofacial Cancer.
- 40th anniversary World Celebration of Osseointegration, Sao Paulo (2005)
- The International College of Prosthodontics.,
- The American Academy for Maxillofacial Prosthetics

- The Indian Prosthodontic Society
- The Association of Dental Implantology, UK
- The International Academy for Oral and Facial Rehabilitation.

Education

Tertiary Academic Qualifications

1995: Master of Dentistry (Prosthodontics), University of the Witwatersrand
Research Report: "Rotatory Movements Of The Mandible"
1985: Bachelor of Dental Science, University of the Witwatersrand
1983: Bachelor of Science, University of the Witwatersrand

Peer Reviewed Fellowships:

2016: Fellow of the International College of Dentists
2005: Fellow of the Colleges of Medicine of South Africa

Secondary School Education:

Matric Cape Senior Certificate 1977
Selborne College Boys' High School, East London, S. Africa

Professional Registrations

1985 Health Professions Council of South Africa - Dental Surgeon
DP0043931 (Active Registration)

1995 Health Professions Council of South Africa - Prosthodontist
DP0043931 (Active Registration)

1998 Medical and Dental Practitioners Council of Zimbabwe – Dental
Practitioner. PRD348494 (Lapsed – No longer practiced in
Zimbabwe)

1991 General Dental Council of United Kingdom - Dental Surgeon
(Lapsed due to cost of maintenance)

1996 (TBC) General Dental Council of United Kingdom - Specialist List
(Lapsed due to costs of maintenance)

Employment And Professional Appointments

- **February / March 2019 to date**

Associate Professor; University of Sydney:

Associate Professor, Discipline of Oral Rehabilitation, School of Dentistry, Faculty
of Medicine and Health; University of Sydney.
Course Coordinator / Director of the Doctor of Clinical Dentistry (Prosthodontics)
Programme

- **January 2016 – February 2019:**

Part time Private Practice

I continued in active part time private practice in my old practice with official provincial endorsement until my appointment to the University of Sydney.

- **January 2016 – 2019:**

Head of Department: Oral Rehabilitation

School of Oral Health Sciences; University of the Witwatersrand

I was appointed to this academic position after over 20 years of full-time practice and part-time postgraduate teaching, research and involvement in the University and the Department. I sold my practice but continued active involvement and part time practice.

The Department of Oral Rehabilitation consisted of the Divisions of Operative Dentistry, Endodontics and Fixed and Removable Prosthodontics; This made it possible for vertical and horizontal integration in the teaching between these disciplines toward the goal of integrated patient centred dental care and teaching.

The department staff compliment included 3 Heads of Clinical Units as senior prosthodontists, 3 additional full time prosthodontists and 9 general dental practitioners to manage the teaching and research load.

In addition I appointed a number of additional part time specialists and generalists to add private practice input to the students, in particular the senior general dental students and post graduates.

As Head of Department, my responsibilities and developments briefly explained:

- The coordination and delivery of 14 undergraduate courses in a five-year undergraduate programme for General Dentistry. I maintained hands on supervision and hands on training for general dental programme including endodontics.
- 6 specialist Masters post graduate courses including research techniques and research report in a four year programme.
- Coordination of MSc programmes in all divisions within the department including a research programme.
- The full spectrum of personnel, equipment, materials and academic supervision of these multiple needs and divisions.
- Management of Laboratory processes and skills transfer.
- Procurement of 5-axis CAD CAM technology and skills development.
- Co-ordination and commissioning of a new multidisciplinary polyclinic within the hospital.
- Enhanced the multidisciplinary dental implant clinic between prosthodontics, periodontics and maxillofacial and oral surgery I developed previously as a part-time supervisor in the department.
- Developed the dental neuroscience clinic aimed at the management of craniomandibular disorders, sleep medicine and pain clinic.
- Development of a multidisciplinary head and neck clinic with the disciplines of medicine including ENT; Plastic and Reconstructive Surgery, Radiation Oncology as well as speech and language pathology, dietetics, physiotherapy and psychology.

The clinic aims and objectives were to coordinate head and neck oncology and trauma management to improve functional outcomes.

- I have developed working relationships with the medical disciplines in the departments of surgery and neurosciences.
- I have developed working relationships with other faculties including mechanical and mechatronics engineering
- I have developed better public – private relationships to enhance the training and service delivery in a financially constrained environment for students and patients.

In addition, developed an early detection outreach programme and support group for head and neck cancer sufferers with the Face Value Foundation.

Late in 2016, the provincial structure changed to separate the divisions of prosthodontics from operative dentistry and endodontics to include paediatric dentistry.

- **January 2016 – December 2019:**

Appointed to Senior Executive Committee;

School of Oral Health Sciences; Faculty of Health Sciences; University of the Witwatersrand.

This is the highest decision making body in the school.

- **April 2016 – December 2019**

Appointed to Committee of Research Entities;

Faculty of Health Sciences; University of the Witwatersrand.

As a member of this committee we monitor the activities, research, outputs and finances of the 23 Research Entities within the Faculty of Health Sciences in the schools of: Anatomical Sciences; Clinical Medicine; Oral Health Sciences; Pathology; Therapeutic Sciences; Public Health and Physiology

- **January 2016 – December 2019:**

Appointed to Teaching and Learning Committee;

Work in this committee has included significant changes to the undergraduate curriculum including greater attention to vertical and horizontal integration of subjects.

A major contribution to the undergraduate curriculum was to modify the presentation and teaching of preclinical operative dentistry, orthodontics and removable prosthodontics is now taught in first and second year of study. Rationalisation of basic subjects including physics, biochemistry and physiology. This has given more time for clinical teaching in third fourth and fifth years of study.

- **2006 – Date**

Co-Founder and Director P-I Brånemark Institute of Excellence PTY

After research collaboration, I was invited by Professor P-I Brånemark to develop the second P-I Brånemark Institute in the world with the objectives of responsible training, research and treatment of indigent patients with osseointegration.

This was achieved after fund raising and partnerships with MediClinic .

We have since developed an international training programme in advanced dental implantology and framework agreements with the Faculty of Health Sciences and the Department of Health to serve as satellite clinic training centre for post graduate students.

With the Institute and international collaboration I brought the concepts of advanced digital technology and rapid prototyping in functional craniofacial rehabilitation to South Africa obtaining one of the first prototyping units dedicated to advanced digital technology for head and neck rehabilitation.

In 2011 I arranged and hosted the first hands on functional prefabricated fibula course in South Africa in collaboration with the International Society for Maxillofacial Rehabilitation and the University of Alberta, Canada.

I was instrumental in the development of a public-private multidisciplinary head and neck forum at the institute consisting of 36 medical, dental and allied professionals and disciplines focussed on the patient centred care of head and neck cancer.

This unit is being developed into the first integrated professional unit within the Morningside Mediclinic hospital.

- **2005 – date**

Promotion to Adjunct Professor

With the services to the teaching and research I was promoted as a part time specialist in the School to Adjunct Professor.

My duties continued as clinical coordinator of post graduate prosthodontic training.

- **1998 – 2016:**

Clinical Coordinator Fixed Prosthodontic Training

As a part-time joint appointee I have been the clinical co-ordinator of fixed prosthodontic training at the University of the Witwatersrand since 1996.

In 2010 I introduced a multidisciplinary program for prosthodontic graduate students within the departments of surgery, otolaryngology and maxillofacial and oral surgery.

From 2005 development of the oncology implant and introduction into maxillary rehabilitation and implant supported obturation in the graduate program.

From 2002 began developing osseointegration in craniofacial oncology and trauma reconstruction.

Introduction of osseointegration into the maxillofacial prosthodontics program for intraoral and extraoral support of maxillofacial prostheses

2003/4: Prosthodontic coordinator M.Sc.(Dent) Dental Implantology Course

- **December 1995 – December 2016:**

Full Time Private Practice Specialist Prosthodontist

After completing my requirements for specialist registration, I built and started my own specialist practice in Johannesburg.

I always maintained a part time academic appointment in the School and completed practice and other research with the Institute and School.

The practice was first built as a prosthodontic – periodontic multidisciplinary practice. This practice grew into a 4-man group prosthodontic practice after moving into the hospital environment, expanding the multidisciplinary opportunity and which I managed until my appointment to a full time academic appointment.

- **January 1995 – November 1995**

Full Time Private General Practice

After completing the time of my prosthodontic registrar programme I built and started my own practice in Johannesburg. I completed and published my research:

1995 Lewin, A., Evans, W.G., Booth, J.L. and Howes, D.G.: Constrained and Unconstrained Postures of the Mandible – A Break with Tradition?

Annals, Academy of Medicine, Singapore. 1995; 24; (1), 3-10

This completed the requirements for my specialist registration. I then moved into specialist practice.

- **January 1992 – December 1994:**

Registrar in Prosthodontics

In the Department of Conservative Dentistry; Faculty of Dentistry; University of the Witwatersrand.

In addition to their academic programme registrars were required to teach and supervise undergraduate students as well as run remedial programmes.

- **Sept 1991 – December 1991:**

Dentist/Lecturer,

Joint Appointment University of the Witwatersrand / Department of Health, Johannesburg, South Africa. (WITS)

Duties as a general dentist in the Department included service provision and emergency duties as well as teaching and supervision of junior students.

- **August 1987 – July 1991:**

Full Time Private Practice General Dental Practitioner

Started full-time private practice as a general practitioner in East London, Eastern Cape, South Africa.

Renovated a building to house a new dental clinic. The practice group to accommodate two practitioners and an oral hygienist.

This practice was eventually sold in order to relocate to Johannesburg and pursue my registrarship in prosthodontics.

- **July 1985 - June 1987:**

Dental Officer: South African Defence Force

Conscripted into the South African Defence Force (SADF). As graduate dental professionals, we were assigned to the South African Medical Services within the SADF.

After basic training and officers' course I was assigned to border duty in sector 70 at the operational Air Force base at Mpacho in the Eastern Caprivi. I was responsible for the oral and maxillofacial services for all the personnel on the base as well as managing the oral, dental and maxillofacial services of the local hospital which served approximately 40,000 local inhabitants in the Eastern Caprivi strip of Namibia. On days of patrol / contact assignments I was the officer in charge of the medical unit to manage troop casualties from the medics in the field as well as acting as anaesthetist when doctors were required for surgical stabilisation.

Management and Professional Experience

- 2017 – 21 Treasurer International College of Prosthodontists. (ICP)
- 2017-19 Congress Convenor South African Dental Association (SADA); Lead Scientific Committee.
- 2017-18 President; International Society for Maxillofacial Rehabilitation (ISMR)
- 2016 Vice President and Congress Convener Biennial Congress; Belgrade; Serbia International Society for Maxillofacial Rehabilitation (ISMR)
May 2nd – 6th, 2016
Congress theme: "FROM DIAGNOSIS TO PALLIATION"
- 2015 Vice President and Congress Convener Interim Congress; Groningen; The Netherlands;
International Society for Maxillofacial Rehabilitation (ISMR)
June 18 – 20, 2015
University Medical Center Groningen, The Netherlands
"SUPPORTIVE CARE IN HEAD AND NECK REHABILITATION"
- 2014 Congress Convener; Head Scientific Committee
Southern Implants International Congress; Oubaai 4th – 6th February 2014
- 2014 Founder of the Face Value Foundation Trust: (NPO No. 18/11/14/2470.)
(See: *Special Interests; Projects & Social Responsibility*)
- 2013 – Invited Fellow of the International Academy for Oral and Facial Rehabilitation (IAOFR)
- 2013 Founder of Multidisciplinary Craniofacial rehabilitation unit hosted in Department of Surgery, Charlotte Maxeke Johannesburg Academic Hospital.

- 2012 P-I Brånemark Institute accredited as satellite training unit of School of Health Sciences by way of memorandum of understanding. Signatories include the School of Health Sciences, School of Oral Health Sciences and Department of Health.
- 2012 Founder of the Sandton Head and Neck Support Group:
(See: *Special Interests; Projects & Social Responsibility*)
- 2011 – date Board of Councillors: International College of Prosthodontists (ICP)
- 2011 – 2014 Council Member College of Dentistry; Colleges of Medicine of South Africa. (CMSA)
- 2011 Arranged and Co-ordinated the first hands on functional free flap craniofacial reconstruction course in collaboration with the University of Alberta and The Institute for Reconstructive Sciences in Medicine; Alberta, Canada.
This formed the beginning of formalized digitally pre-planned and prototyped interdisciplinary fibula free flap surgery in South Africa.
Congress held at the P-I Brånemark Institute South Africa 21st and 22nd June 2011
- 2011 Congress Convener South African Dental Association Biennial Congress; Sun City; 31st Aug – 4th Sep 2011.
- 2010 Founder member of Morningside Head and Neck Forum.
This is a multidisciplinary unit of 36 professionals dedicated to the efficient and evidence based treatment and rehabilitation of head and neck cancer patients, hosted at the P-I Brånemark Institute.
- 2006 – 2010 SADA National Council – Elected Member Gauteng South Branch
Member of Education Committee; Awards Committee.
- 2006 – 2008 Prosthodontic/Restorative Consultant on behalf of the South African Dental Association / Academy of Prosthodontics for representation to the Council for Medical Schemes regarding Coding and Nomenclature
- 2005 Founder and License holder P-I Brånemark Institute of South Africa on the express and personal invitation of Professor Brånemark.
- 2001 Sandton Study Group Founder Member
- 1995-date Academy of Prosthodontics of South Africa (APSA)
(President Elect 2003-4; President 2005- 2009; Past President 2010)
- 1995-1998 Clinical Advisor Degussa (South Africa)
- 1989 Secretary, Border Branch, Dental Association of South Africa (DASA)

Research:**Research supervision:**

- 2019 Supervisor MDent Research Report:
“Torque And Angulated Retaining Screw Preload In Implant Supported Prostheses”
MDent Candidate Dr J Schoeman
Co- Supervisor Prof CP Owen
- 2019 Supervisor MSc Research Report:
“The Accuracy Of Pouring Techniques For Implant-Supported Prostheses With Multiple Abutments”
MSc Dent Candidate Dr M Tayob
Co- Supervisor Dr VJ Hoods-Moonsammy
- 2018 Supervisor MSc Research Report:
“A comparison of different methods and materials to establish maximal intercuspal position.”
MSc Dent Candidate Dr H Van Den Bergh
Co- Supervisor Prof CP Owen
- 2018 - date Co-Supervisor PhD Thesis:
“Laser Induced Differentiation Of Human Adipose Derived Stem Cells Into Functional Fibroblasts And Chondrocytes Of Temporomandibular Joint Disc”
PhD Candidate Dr V. Karic, Stomatologist.
Supervisor Prof H Abrahamse; University of Johannesburg.
- 2016/17 Supervisor MSc (Dent) Research Report:
“The Effects Of Dentine Contamination On The Shear Bond Strength Of A Self-Etching Adhesive And A Nanocomposite.”
MSc. Candidate Dr V Soni
Co-Supervisor: Dr I Munshi.
- 2016/17 Supervisor M.Dent.(Pros) Research Report:
“A Comparison of the Accuracy of Different Intra- and Extra-Oral Digital Scanners for Milling an Implant-Supported Framework”
MDent candidate Dr M Michael
Co-supervisor: Prof CP Owen

Research examination:

- 2018 External Examiner MChD and Thesis, University of Western Cape, R.S.A.:
“An in-vitro study of the physical properties of core build-up materials.”
Warren Emile Farao (Student # 2001385)
- 2017 External Examiner MChD. And Thesis, University of Pretoria, RSA:

Comparison of excess luting agent around cemented implant crowns using three extraoral cementation techniques.

Avish Jay Jagathpal (Student #: 04666438)

- 2017 External Examiner MChD. And Thesis, University of Pretoria, RSA: The Prevalence Of Second Canals In The Mesiobuccal Root Of Maxillary Molars In A South African Subpopulation: A Cone Beam Computed Tomography Study
Nelson Alexander Fernandes (Student #: 04557205)
- 2017 External Examiner MChD. And Thesis, University of Western Cape, R.S.A.: "An in-vitro study of the physical properties of core build-up materials." W M Asia (Student # 2137864)
- 2017 External Examiner MChD. And Thesis, University of Western Cape, R.S.A.: "An in-vitro comparative micro-computed tomographic evaluation of three obturation systems." S N Kabini (Student # 3379124)
- 2012 External Examiner MChD. And Thesis, University of Western Cape, R.S.A.: "Colour comparison of two composite materials to natural tooth structure: an in vitro study". AA Grundlingh (Student # 2937992)
- 2012 External Examiner MChD. And Thesis, University of Western Cape, R.S.A.: "Push out strengths of a double tapered post system with three different cements ". A Fortyn (Student # 2380863)
- 2003 External Examiner Technical University of Tshwane, Pretoria. – Masters Thesis "Galvanic Reactions to Chrome Cobalt Dentures"
- 2000 External Examiner MChD. Thesis, University of Pretoria, R.S.A.: "Evaluation of a New Method to Achieve Optimal Passivity of Implant Supported Superstructures" Goossens, IC; Herbst, D.

Research in peer-reviewed journals:

- 2019 Mothopi-Peri, M; Howes, D; Owen, CP: Prosthodontic Rehabilitation in an Elderly Patient with a Hemi-maxillectomy Defect
South African Dental Journal; 74 (8); 323 - 325
- 2019 Karic, VV; Shackleton, JL; Howes, DG: Laser therapy as an adjunctive therapy for denture stomatitis. South African Dental Journal; 74 (9); 500-501
- 2019 Boyes-Varley JG; Howes DG, Newell A, De Bruyn H, Vandeweghe S, A 5 to 12 year evaluation of angulated implants in various indications.
(Submitted for publication; Clinical Implant Dentistry and Related Research)

- 2018 Karic, V; Hodgkinson, N; Abrahamse H; Howes, D: Photobiomodulation of stem cells as an alternative in the treatment of temporomandibular disorders. Submitted for Publication, Journal of Dentistry, March 2018.
- 2018 Karic, V; Shackleton, JL; Howes, D Melman, G: The role of laser therapy in Removable Prosthodontics. South African Dental Journal; March 73(3); 165 - 166
- 2018 Howes, D; Karic, V; Melman, G: Clinical Communication: The role of laser therapy in Implant dentistry. South African Dental Journal; 73 (2); 89 - 90
- 2017 Howes DG; Angulated Implant Design to accommodate screw retained Implant Supported Prostheses. Compendium of Continuing Education in Dentistry; 2017; 38(7); 458 – 463.
- 2014 Hoods-Moonsammy VJ, Owen P, Howes DG.
A comparison of the accuracy of polyether, polyvinyl siloxane, and plaster impressions for long-span implant-supported prostheses. Int J Prosthodont. 2014 Sep-Oct;27(5):433-8. doi: 10.11607/ijp.4035.
- 2012 Mothopi MM, Owen CP, Howes DG, Naidoo LM.
The need for versatility in the prosthodontic treatment of maxillofacial defects. SADJ. 2012 Aug;67(7):420-3
- 2012 Cachalia H, Howes DG, Owen CP. A Novel Means of Stabilising a Planning Guide in Post-Mandibulectomy Prosthodontic Rehabilitation. SADJ. 2012 Aug;67(7):406-8.
- 2012 Hoods-Moonsammy VJ, Mothopi MM, Taruvingira A, Owen CP, Howes DG.
Prosthodontic management of patients with Amelogenesis Imperfecta. SADJ. 2012 Aug;67(7):409-12
- 2010 Boshoff C; Howes DG: Distortion And Bio-Mechanics Of Implant Supported Prostheses. Journal of Dental Technology;2010;27(3);24-30
- 2009 Mitha T, Owen CP, Howes DG.
The three-dimensional casting distortion of five implant-supported frameworks. Int J Prosthodont. 2009 May-Jun;22(3):248-50.
- 2008 Kurtzman GM; Dompkowski DF; Mahler BA; Howes; DG
Off-Axis Implant Placement for Anatomical Considerations Using the Co-Axis Implant. Inside Dentistry; 2008; 4; (5) 2 – 5
- 2007 Boyes-Varley JG; Howes DG; Davidge-Pitts, KD; Brånemark P-I; McAlpine AJ. A new protocol for maxillary reconstruction following gunshot and oncology Resection using zygomatic implants.
International Journal of Prosthodontics. 2007; 20 (5) 521 – 531

- 2003 JG Boyes-Varley, DG Howes and JF Lownie: Surgical Modifications to the Branemark Zygomaticus Protocol in the Treatment of the Severely Resorbed Maxilla. A Clinical Report. International Journal of Oral and Maxillo-Facial Implant. 2003; 18, (2), 232 – 237.
- 2003 JG Boyes-Varley, DG Howes and JF Lownie: The Zygomaticus Protocol in the Treatment of the Severely Resorbed Maxilla. South African Dental Journal. 2003; 58, (3), 106 – 114.
- 1995 Lewin, A., Evans, W.G., Booth, J.L. and Howes, D.G.: Constrained and Unconstrained Postures of the Mandible – A Break with Tradition? Annals, Academy of Medicine, Singapore. 1995; 24; (1), 3-10

Current Research in Progress:

- Howes DG; Voigt CU: Correlation of Surgical results with and without virtual preoperative planning.
- Howes, DG; Cumming, LC; Klopper, H: A Finite Element Analysis Comparing Tilted And Parallel Implants In The Edentulous Mandible Using Patient Derived Data - a pilot study.
- Howes, DG; Cumming, LC: A Finite Element Analysis of force distribution and misfit in angulated implantology Using Patient Derived Data - a pilot study.
- Howes, DG; Cumming, LC; Michael M; Naidoo N: Finite element analysis long span implant-supported frameworks with various substructure and veneering materials.
- Boyes-Varley JG; Howes DG; Newell A, Bu Bruyn H: 10 year retrospective analysis of Zygomatic and Angulated Implants.

Appointment as Journal Reviewer:

Gerodontology:

- 2017 Manuscript # GER-17-OA-2092 for Gerodontology
" "Is it possible to discriminate the masticatory function according to mandibular bone atrophy defined by clinical and radiographic parameters?"
- 2015 Manuscript # GER-14-CR-1481 entitled "Prosthodontic treatment of a patient with gnathodiaphyseal dysplasia for over 30 years"
- 2013 Manuscript ID GER-12-CR-0928, entitled ""Rehabilitation Of Ocular Maxillofacial Defect With Orbital Prosthesis : A Case Report".
- Manuscript # GER-13-CR-0934 entitled "Cross-Arch Arrangement of Teeth

CV DG Howes; 2019-09-13

to Manage an Edentulous Patient with Oral Submucous Fibrosis, severely resorbed ridges and wider mandibular arch- A Case Report"

- Manuscript # GER-13-SR-1036 entitled "Ocular prosthesis for a geriatric patient : how to decrease query time of iris painting"

Journal of Biomedical Materials Research:

2012 Journal of Biomedical Materials Research; Editor Dr. Joel Bumgardner
The manuscript entitled "Utilizing micro-CT to evaluate bone structure surrounding dental implants: a comparison with histomorphometry"
Vandeweghe, Stefan; Coelho, Paulo; Wennerberg, Ann; Jimbo, Ryo for Part B - Applied Biomaterials.

Clinical Implant Dentistry and Related Research

- 2019 Manuscript ID CID-19-015, entitled "A 4 -7 years retrospective study on ultra wide diameter dental implants for immediate molar replacement."
- 2019 Manuscript CID-18-380, entitled: "Virtual implant placement in pterygomaxillary region: a cross-sectional study of 168 cone beam computed tomography scans."
- 2010 - Manuscript ID CID-10-457.R1, entitled "The influence of implant design on bone remodelling around surface-modified Southern Implants®."
- Manuscript ID CID-14-347 entitled "A long-term retrospective study on immediately loaded, surface-modified implants in the edentulous mandible."

Chapters In Text Books

- 2017 Chapter 2.9- Boyes Varley, JG; Howes, DG; Craniofacial Implantology. Operative Maxillofacial and Oral Surgery. JD Langdon, M Patel and B Ord. Hodder Arnold, London. Second edition
- 2011 Chapter 3:- Boyes Varley, JG; Howes, DG; Craniofacial Implantology. Operative Maxillofacial and Oral Surgery. JD Langdon, M Patel and B Ord.. Third edition
Medicine, CRC Press; 3 Park Square, Milton Park, Abingdon, OX14 4RN, UK

In Process Invited to write chapter 3: "Anatomy of the anterior maxilla"
Implantology; New York University

Innovations resulting from dental implant research:

Using some of the above research, I have pioneered a number of implant component innovations which have resolved the number of surgical and

restorative problems due largely to the anatomic constraints of the human jaws. This is particularly true of the compromised mandible and maxilla including the ablated or resected maxilla and mandible.

Some of these innovations include:

The Co-Axis implant.

The 55° zygomatic implant.

The oncology implant.

The tapered healing abutments.

Surgical and restorative protocols for implant supported craniofacial rehabilitation for head and neck trauma and cancer.

Professional Interests:

- Functional maxillofacial prosthodontic reconstruction
- Advanced digital technologies on craniofacial rehabilitation
- The worn / mutilated dentition,
- Dental implantology including and instrument development
- Dental neuroscience including craniomandibular disorders and sleep medicine

Appointment As Examiner

Undergraduate

2016-18	internal examination coordinator for the department of oral rehabilitation for the Bachelor of Dental Science.
2016-18	Internal moderator for examinations and coursework in final year fixed prosthodontics, operative dentistry and endodontics
2018	Examiner; Colleges of Medicine of South Africa (CMSA); College of Dentistry, branch of prosthodontics.
1998 - 2018	Internal Examiner for Masters Degree in Dentistry (MDent) (Branch of Prosthodontics), University of the Witwatersrand, Johannesburg
2016-18	Coordinator and Internal Examiner M.Sc.(Dent)(Pros)
2013; 2017; 2018	External Examiner, University of Western Cape, South Africa - MChD. (Pros)
2001; 2008; 2009; 2015; 2017; 2018	External Examiner, University of Pretoria, South Africa - MChD. (Pros)
1998-2001	Convener and Examiner for Fellowship Examinations - FCD(SA) Pros; College of Dentistry, South Africa

Teaching:

A teaching philosophy cannot occupy space on a curriculum vitae although some principles are important particularly where it forms part of the core business of a university department.

I believe in innovative evidence based teaching methods.

We need to embrace the move away from classroom teaching as the new generations of students as the powers digital technologies and the Internet.

It becomes more critical that we also move into the global classroom maximising collaboration with international colleagues who have additional expertise possibly not locally available.

Educational videos include:

- Surgical Technique in the placement of the Zygomatic Implant.
- Second stage implant surgery.
- Second Stage Surgery in the compromised maxilla.
- Restoration of the Implant supported overdenture.
- Restoration of the Single Implant Supported Tooth using the UCLA abutment.
- Restoration of the Single Implant Supported Tooth using the Anatomic Abutment.
- Prosthodontic and Surgical Principles of full mouth reconstruction

Awards, Prizes & Distinctions

- 2017 The KZN SADA Recognition Award
The KZN SADA recognition award bestowed in recognition of profound and diligent contribution towards continuing education and development programs.
- 2017 Co-Author Winning Poster at International College of Prosthodontics: Bwerinofa, D; Mothopi-Peri, M; Howes DG: Implant Supported Reconstruction of Bilateral Maxillectomy. ICP Meeting; Santiago; Chile; September 7 - 9; 2017
- 2016 Elected President International Society for Maxillofacial Rehabilitation. (2016 – 2018)
- 2016 The Premier Award of the South African Dental Association
The SADA Premier Award is presented to dentists who have made contributions of the highest distinction in the dental profession both nationally and internationally. Established in 1998, this award is viewed as highly prestigious. It is the highest accolade that SADA can bestow on a dentist for outstanding instances of service and contribution made to dentistry both nationally and internationally.

- 2016 Awarded Fellowship of the International College of Dentists (FICD)
- 2015 I.Y. Sendulskogo Commemorative Medal of the Russian Partnership of Head and Neck Oncology Specialists for outstanding achievements in medicine.
- 2009 Supervisor of winning graduate Poster presentation at the biennial meeting of the international College of Prosthodontists; Naidoo LM; Howes DG; "implant supported craniofacial rehabilitation"
- 2008 Winning Poster presentation:-, Howes D.G; Boyes – Varley J.G; Davidge-Pitts, K.J; Branemark,P-I: A Protocol for the reconstruction of Oncology and Gunshot Ablation. Academy of Osseointegration, Boston, 2008
- 2008 South African Society for Dental Implantology (SASDI) awarded certificate for outstanding contribution to Dental Implantology. (19 April 2008)
- 2006 Awarded Fellowship FCD(SA) of South African College of Dentistry, Colleges of Medicine of South Africa (by peer review)
- 2006 Promoted to Adjunct Professor; Department of Prosthodontics; School of Oral Health Sciences; University of the Witwatersrand
- 2003 Winning Poster of Scientific Session - Howes, D.G.* ; Boyes-Varley, J.G.; Lownie, J.F.: Use Of The Zygomaticus Implant In Maxillary Rehabilitation Following Facial Gunshots, Trauma And Oncology Resection. Nobel Biocare World Conference, Las Vegas, April 2 – 5 2003.
- 2001 Awarded Prize for "Best Presentation" Southern Implants International Course on Implantology – Fancourt, South Africa, February 2001. Presentations on: "Immediate Loading Protocol for Implant Supported Protheses" & "Prosthodontic Considerations for the Transzygomatic Implant"
- 1984 Awarded the Mervyn Shear Award; ER Bernard Medal student exchange scholarship to Guy's Hospital, London.

Invited and Keynote International Presentations:

- 2019 International College of Prosthodontists; Biennial Congress; Amsterdam, 4 – 7 September 2019
“Osseointegration in Malignancies”
- 2019 PRIME Congress; Queenstown, New Zealand; 19 – 20 July 2019
1) Angle Correction in implant Dentistry
2) Distortion in Implant Supported Protheses.
- 2019 Presentation to Prosthodontic and surgical registrars, University of Otago, Dunedin, 22nd July 2019
- 2019 Implant Rehabilitation in Craniofacial Cancer and Trauma: The Journey from Resection to Rehabilitation: Academy of Osseointegration; Washington, USA. 13 – 16 March 2019.
- 2019 Workshop on Angulated Dental Implantology: Academy of Osseointegration; Washington, USA. 13 – 16 March 2019.
- 2019 Zygomatic 2019: Shaping the Future of Zygomatic Implant Treatment. The Museum of London; 1st – 2nd March 2019.
- 2018 Workshop on Craniofacial Implantology: Joint Meeting of the Australian and New Zealand Head Neck Cancer Society and the International Society for Maxillofacial Rehabilitation; Melbourne, Australia. 25 – 28 July 2018.
- 2018 International Academy for Oral and Facial Rehabilitation; Medical Association Of Hong Kong; Overcoming anatomic constraint with angulated implants and subcrestal angular correction. 27 – 29 April 2018
- 2017 Invited Keynote Speaker:
Association of Dental Implantology; ExCeL **London** 2-4 March 2017
Protocols For Implant Supported Reconstruction Of The Craniofacial Skeleton.
- 2017 Invited Speaker:
International Academy for Oral and Facial Rehabilitation; Manchester 26th – 29th April 2017
Implant Supported Rehabilitation in the Irradiated Patient from a Surgical and Prosthodontic Perspective.
- 2016 Invited Keynote Speaker: Functional Maxillectomy Rehabilitation - Removable Obturation vs Vascular Free Flap Tissue Transfer
44th Indian Prosthodontic Society; Mumbai 3rd December 2016
- 2016 Opening keynote address of the SAAO “Implantology, The Road Ahead” held in conjunction with the Academy of Osseointegration (AO), USA;

- European Association of osseointegration (EAO)
Lecture entitled "lessons from the IJ CS (The International Journal Of
Common Sense")
Durban 3rd – 5th November 2016
- 2015 Invited Speaker: University of Ghent; Belgium; 29 January 2015
"The Quest for Zero Defect"
- 2014 Invited Speaker: "Nothing Really Fits"
30 year Symposium on Osseointegration, Blackrock Specialist Dentistry,
Dublin 7th – 8th November 2014
- 2014 Russian Head and Neck Society; MOSCOW; February 14th; 15th 2014:
"Implant Supported Craniofacial Rehabilitation"
Presentation to KGB Medical forum – Cost effective craniofacial rehabilitation.
- 2014 Key Note Speaker IAOFR:
Obturation vs Free Flap rehabilitation in Maxillectomy defects
Debate with Dr Tim Blackburn, Plastic and Reconstructive Surgeon,
University of Liverpool. Chairman, Professor John Cawood.
XVIIth International Symposium of the International Academy of Oral &
Facial Rehabilitation; Haarlem, The Netherlands; April 11-12 2014,
- 2014 Invited Speaker:
Boyes Varley, JG; Howes, DG: Craniofacial Applications of Osseointegration
30 year Symposium on Osseointegration, Blackrock Specialist Dentistry, Dublin
7th – 8th November 2014
- 2013 Key Note Speaker; International Society for Maxillofacial Rehabilitation
and American Academy for Maxillofacial Prosthetics
"The Role of the Prosthodontist in Craniofacial Trauma";
Hyatt Regency Tamaya Resort & Spa, Santa Ana Pueblo, New Mexico
USA October 27-30, 2013
- Howes DG; Voigt CU: The Impact of digital technologies on craniofacial
rehabilitation – the South African experience
Oral Abstract Submission International Society for Maxillofacial
Rehabilitation; Baltimore, 2012 (Congress Cancelled due to Hurricane
Sandy – Represented 2013 Congress)
- 2013 Key Note Speaker: 25 years of Craniofacial Rehabilitation in CIMEQ
(Centro de Investigaciones Médico-Quirúrgicas), Havana, Cuba;
11th to 14th June 2013.
- 2012 Invited Speaker :
The Global Council for Osseointegration (GCO), supported by the
European Association for Osseointegration (EAO), The Cape Society for
Dental Implantology (CSDI) and the South African Society for Dental

Implantology (SASDI)
IMPLANT COMPLICATIONS - From Treatment Planning to Solutions
8 – 10 March 2012 International Convention Centre, Cape Town, South Africa

- Implant impressions: Observing due diligence
- Treatment planning with few implants (Edentulous patients - zygomatic)

- 2012 The British Society for the Study of Prosthetic Dentistry (BSSPD)
1st - 2nd April 2012.
(Main Invited Key Note Speaker)
Lecture Requests:
"Protocols in Mid-Face reconstruction"
"Zygomatic Implants in Craniofacial Reconstruction"
- 2012 Latin American Association of Facial Rehabilitation and Maxillofacial Prosthesis. Cali, Columbia; 25 – 29th April 2012
Key Note Lectures:
"The Use of Modified Zygomatic Implants in Midface Reconstruction after Trauma and Oncological Resection"
- 2011 Southern Implants 2011 International Conference – 9th 13th May 2011
Mowana Safari Lodge; Chobe National Park; Botswana
"An African Experience, Where Nature Meets Innovation"
Invited Lecture:
"P-I Brånemark Institute Research Activities and Innovations"
- 2011 Key Note Lectures: Australasian Osseointegration Society,
"Implant Impressions: Observing Due Diligence"
"Implant Management of the Atrophic Maxilla"
Adelaide 9th – 12th November 2011
- 2011 AOCMF (Arbeitsgemeinschaft für Osteosynthesefragen)
Advanced Symposium 16 – 17 May 2011; Southern Sun OR Tambo International Airport Hotel; Gauteng; South Africa.
Invited Speaker: Craniofacial Defects And Maxillofacial Prosthodontic Reconstruction - A South African Perspective
- 2010 Российская Ассоциация Стоматологической Имплантологии
Russian Association for Dental Implantology
20th – 23rd September 2010.
Key Note Speaker:
- Innovative Techniques in Dental Implantology:
Surgical and Prosthetic Advantages of Angulated Implants
- Workshop on Angulated Implantology
- 2010 Carte Blanche Medical Television Programme: 8th November 2010
Producer Este De Klerk; Presenter Devi Govender
<http://beta.mnet.co.za/carteblanche/Article.aspx?Id=4197>

A show highlighting Craniofacial Rehabilitation after facial trauma and oncology resection.

- 2009 International College of Prosthodontics
Cape Town, South Africa: September 10 - 13, 2009
Key Note Lecture entitled: "Challenging Occlusal Concepts"
Invited Lecture: "Protocols in Mid-Face Reconstruction"
- 2009 Australasian Osseointegration Society 7th Biennial Congress
Key Note Lectures Entitled:
"Guided Implant Surgery"
"Angulated Implantology" (Co-Presentation with Dr JG Boyes-Varley)
Gold Coast; Australia; 4 -7 November 2009
- 2009 American Academy of Maxillofacial Prosthetics
57th International Meeting; San Diego; California; USA; November 2009
Key Note Lecture Entitled:
"Implants in Intraoral and Extra Oral Reconstruction"
- 2008 International Internet Webinar hosted by Southern Implants Incorporated,
San Diego; USA; 19 February 2009; repeated 9th March 2009
"Angulated Implants in Normal and Compromised Bone"
- 2008 Australasian Osseointegration Society; South Australian Branch
16th August 2008; Stamford Plaza; Adelaide:
- Due Diligence in Prosthodontics
- The Restoration of the Posterior Maxilla
- 2008 Guest Lecturer for Full Day Course:
European Society for Periodontology; Chair Prof Marc Quirynen
- Does The Implant System Matter?
Belgium June 2008
- 2008 Western Australian Branch of the Australasian Osseointegration Society
Study Group Meeting 15 August 2008
Topics Covered:
"Advanced Technologies and Cranio-facial Construction"
"Complications, Distortions and Micro Gaps"
"Titanium vs GP : PDL?"
- 2008 The Rapid Product Development Association of South Africa (RAPDASA)
9th International Congress; Bloemfontein, Central University of
Technology; 12th – 15th November 2008
- Howes, DG; Laing, JD: Bridging the analogue - Digital Divide.
- Howes, DG; Boyes-Varley, JG; Voigt, CU Rapid Prototyping and
Craniofacial Rehabilitation

- 2007 Belgian Implant Symposium
Hosted by Belgian Society for Periodontology:
9th and 10th November 2007; Chateau du Lac; Genval
Chairman Marc Quirynen,
Lecture Entitled: "Does the Implant System Matter"
- 2007 National Naval Medical Center. Bethesda, Maryland. 20th April 2007
Invited Presentation, Department of Otolaryngology and Maxillofacial
Surgery.
"The Zygomatic Implant and Maxillofacial Reconstruction"
- 2005 Angulated Implantology workshops, Brisbane, Sydney, Melbourne, and
Perth. (4th – 16th February 2005)
- 2005 "Research and Development of Co-Axial Implantology"
Invited Speaker: Virginia Implant society, Washington DC, USA.
(March 25th 2005)
- 2005 Invited Speaker to 40th World Celebration of Osseointegration; Sao Paulo;
Brazil, . 22 – 24 September 2005. Invitation from Professor P-I
Brånemark.
Presentation "The Zygomatic Implant in Maxillofacial Reconstruction"
Co Presentation with Dr Greg Boyes-Varley
- 2005 University of Adelaide, Australia. February 11th and 12th
Live Zygomatic course with cadaver demonstration.
Course included:
- Didactic background, development, Our Research into the development
of the 45 Degree Southern Zygomatic Implant.
- Diagnosis and Implant Planning for Zygomatic and Quad Zygomatic
Implants
- Live Placement of the Zygomatic Implant with Dr Davor Hribar (President
AOS Australia)
- Live Prosthodontic rehabilitation of the resorbed Maxilla with Immediate
Loading. Clinical and laboratory procedures.
(This course required provisional registration with the Dental Council of
Australia)
- 2004 Lecture Entitled "The Reality of Occlusion" Presented to the Palmetto
Memorial Hospital Residents: University of South Carolina USA. 2 April
2004
- 2003 Maxillary Reconstruction And Bone Augmentation Procedures, Zygomatic
Implants And Facial Reconstruction. King's and Guy's Hospital. Lecture
and discussion group workshop presented to the Departments of
Prosthodontics and Oral and Maxillofacial Surgery. November 2003.

- 2003 Invited speaker to the Namibian Dental Association Annual Congress; Waterberg; October 2003
 - Basic Implantology, and
 - Hands on Implantology Workshop :
- 2000 - 2002 Full day presentations to General Practice Residents, Palmetto Richland Memorial Hospital, Lexington, South Carolina. February 2000, August 2002.
- 2001-5 Principles of Fixed Prosthodontic Rehabilitation & Occlusion. Mastership Class of the Georgia Academy of General Dentistry (GAGD), Atlanta, Georgia, USA.
 3 full day presentations Feb 2001, August 2002, 2005.
- 2000 University of Hong Kong , Faculty of Dentistry, August 2000. "The Management of the Worn and Mutilated Dentition"
- 1999 Introduction and "live" hands on reconstruction of Basic Dental Implantology. Zimbabwe Dental Association, Troutbeck Inn. September 1999.

International Poster Presentations

- 2019 Comparison Of Different Methods For Rehabilitation Of Maxillary Defects Michael M, Naidoo N, Boyes-Varley JG, Howes DG.
 International College of Prosthodontists, Amsterdam, the Netherlands 4th to 7 September 2019.
- 2019 A Dual Axis Implant Innovation: Biomechanical and Long Term Clinical Evaluation. E-Poster P81: Academy of Osseointegration; Washington, USA. 13 – 16 March 2019.
- 2017 Co-Author Winning Poster at International College of Prosthodontics: Bwerinofa, D; Mothopi-Peri, M; Howes DG: Implant Supported Reconstruction of Bilateral Maxillectomy. ICP Meeting; Santiago; Chile; September 7 - 9; 2017
- 2015 Thokoane MG, Owen CP, Howes DG. Extra-oral implants rescue a failed nasal prosthesis. Presented at the International society for Maxillofacial Rehabilitation, Groningen, The Netherlands, 2015
- 2013 Michael M, Naidoo, N More T, Cummings LC, Howes DG, Spence CU
 A 3D Finite Element Analysis of the stress distribution in superstructure of different restorative materials used in long span implant-supported maxillary prostheses in response to loading.
 15th Biennial Meeting International College of Prosthodontics; Turin; Italy.
- 2013 Naidoo, N; Michael M, More T, Cummings LC, Howes DG, Spence CU

- A 3D Finite Element Analysis of the stress distribution in the skeleton to different restorative materials used in long span implant-supported maxillary prostheses in response to loading.
15th Biennial Meeting International College of Prosthodontics; Turin; Italy.
- 2011 Voigt, CU; Howes, DG; Cummings, L; Naude, P
Loading and Misfit on Angulated Implants - A Finite Element Analysis
Mimics Innovation Awards 2011
- 2011 Cachalia H; Howes DG: A Novel Means of Stabilising a Planning Guide in Post-Mandibulectomy Prosthodontic Rehabilitation.
14th Biennial Meeting International College of Prosthodontics; September 8 - 12, 2011
- 2011 Hoods-Moonsammy, VJ; Howes DG; Owen CP
The Accuracy of Polyether and Polyvinyl siloxane Impressions for Long Span Implant Supported Prostheses.
14th Biennial Meeting International College of Prosthodontics; September 8 - 12, 2011;
- 2009 Voigt, CU; Howes, DG; Cummings, L; Klopper, H
A Finite Element Analysis Comparing Tilted and Parallel Implants in the Edentulous Mandible Using Patient Derived Data - a pilot study.
Mimics Innovation Awards 2010
- 2009 Voigt, C; Howes, DG; Boyes – Varley, JG
Digital Protocols For Craniofacial Reconstruction- Case Reports On Virtual Surgical Planning. Mimics Innovation Awards, Belgium 2009
- 2008 Howes D.G; Boyes – Varley J.G; Davidge-Pitts, K.J; Branemark, P-I; McAlpine, AJ:
A Protocol for the reconstruction of Oncology and Gunshot Ablation.
Academy of Osseointegration, Boston, 28th February 2008.
- 2008 Boyes – Varley J.G; Howes D.G; McAlpine, AJ:
Quadratic Zygomatic Treatment of the Resorbed Maxilla
Academy of Osseointegration, Boston, 28th February 2008
- 2004 Howes DG; Blackbeard GA; Boyes-Varley JG: An Angulated Implant For The Anterior Maxilla. Development And Evaluation. 13th Annual Scientific Meeting of the European Association for Osseointegration; Paris, September 2004
- 2003 Howes, D.G.; Boyes-Varley, J.G.; Lownie, J.F.: Use Of The Zygomaticus Implant In Maxillary Rehabilitation Following Facial Gunshots, Trauma And Oncology Resection. Nobel Biocare World Conference, Las Vegas, 2003
Winning Poster of Scientific Session

- 2002 Howes, D.G., Boyes Varley, G.J., Lownie, J.F., and Blackbeard, G.A.: The modified zygomatic implant in the treatment of the severely resorbed maxilla. 2002; 17th Annual Meeting of the Academy of Osseointegration, Dallas, Texas.
- 2002 Boyes-Varley JG, Howes DG, Lownie JF. Modified zygomatic implant protocol in the treatment of the severely resorbed maxilla. 2002 European Academy of Osseointegration Congress, Brussels, Belgium.
- 1995 Booth, J., Evans, W., Lewin, A. and Howes, D.G.: Sudden Anterior – Posterior Shifts of the Mandible. American Equilibration Society.1995; Poster Presentation to the 40th Annual meeting, Chicago, Illinois.
- 1995 Evans, W., Lewin, A., Booth, J. and Howes, D.G.: Temporomandibular disorders. Function in the dysfunctional state. Journal of Orofacial Pain. 1995; page 45. Special reprint of poster session

Membership Of Professional Bodies / Associations / Committees

- 1985 - 2019 Dental Association of South Africa / South African Dental Association (SADA)
(The Dental Association of South Africa was formerly the South African Dental Association prior to transformation after 1995 fall of apartheid)
- 1987-2019 Prosthodontic Society of South Africa (PROSSA)
- 1989 Secretary, Border Branch, Dental Association of South Africa
- 1995-date Academy of Prosthodontics of South Africa (APSA)
(President Elect 2003-4; President 2005- 2009; Past President 2010)
- 2001- 2019 Sandton Study Group Founder Member
- 2006 – 2010 SADA National Council – Elected Member Gauteng South Branch
Member of Education Committee; Awards Committee.
- 2011 Congress Chairman and Convener 2011 South African Dental Association International Congress; Sun City; 31st August – 2nd September 2011
- 2011 – 2014 Council Member College of Dentistry; Colleges of Medicine of South Africa.
- 2002-2003 Academy of Osseointegration (USA)
2008 – 2009 Academy of Osseointegration (USA)
2011 - 2012 Academy of Osseointegration (USA)

- 2005 – date International College of Prosthodontists (ICP)
- 2011 – date Board of Councillors International College of Prosthodontists (ICP)
- 2007 – date International Society of Maxillofacial Rehabilitation (ISMR)
- 2010 – 2018 Board of Councillors International Society of Maxillofacial Rehabilitation (ISMR)
Nominated Vice President for period 2013 – 2016
President 2016 -2018
- 2010 – 2019 Advanced Digital Technologies in Craniofacial Rehabilitation (ADT)
North American Advisory Group.
- 2012 – date American Dental Education Association (ADEA)
- 2013 – date Invited Fellow of the International Academy for Oral and Facial Rehabilitation (IAOFR)
- 2016 – date Fellow and Vice Regent of the International College of Dentists.
- 2017 – 2021 Appointed Treasurer; International College of Prosthodontists.

International Congress Attendance

Academy of Osseointegration (USA)

- Texas 2002
- Boston 2008
- Phoenix 2012
- Orlando 2017
- Washington 2019 (Invited Speaker)

International College Of Prosthodontists (ICP)

- Crete, Greece - 2005
- Cape Town, South Africa- 2009 (Invited Speaker)
- Hawaii, Big Island- 2011
- Turin, Italy – 2013
- Seoul, Korea 2015 (Invited Speaker)
- Santiago, Chile 2017
- Amsterdam, The Netherlands, 2019 (Invited Speaker)

12TH International Conference on Reconstructive Pre-Prosthetic Surgery

16-18, 2007 Charleston, South Carolina · USA

Converging on the Future: Surgery, Prosthodontics and Rehabilitation Medicine
Major Controversies: Can Evidence Provide Resolution?

American Academy of Maxillofacial Prosthetics (AAMP)

San Diego 2009 (Invited Speaker)

Santa Ana Pueblo, New Mexico, USA 2013 (Invited Speaker)
Baltimore, Maryland, USA. 2018 (Invited Speaker)

International Society for Maxillofacial Rehabilitation (ISMR):

- 2010 9th Biennial Meeting of the ISMR; Sestri Levante, Italy, May 19-22, 2010
- 2011 Functional Head and Neck Rehabilitation; P-I Brånemark Institute; South Africa 23rd – 26th June 2011
- 2012 Prefabricated Fibular Flaps Live Surgery Workshop, Canada Edmonton, Alberta, Canada February 23-24, 2012
- 2012 10th Biennial Meeting (with the AAMP) Baltimore USA 27th – 30th October
- 2013 October 27-30, 2013 Santa Ana Pueblo, New Mexico, USA
- 2015 ISMR Regional Conference Groningen, The Netherlands June 18 - 20, 2015
- 2016 11th Biennial Meeting of the ISMR Belgrade, Serbia May 4 – 7, 2016
(Elected President 2016 – 2018)
- 2017 4th Joint Meeting of the American Academy of Maxillofacial Prosthetics and the International Society for Maxillofacial Rehabilitation; San Francisco;
- 2018 1st Joint Meeting of the Australia New Zealand Head and Neck Cancer Society and the International Society for Maxillofacial Rehabilitation; Melbourne 25 – 29 July 2018 (Including Workshop as invited speaker)

Advanced Digital Technologies in Craniofacial Rehabilitation (ADT):

- 2008 Sunday, June 29th thru Tuesday, July 1st, 2008 Cardiff, Wales UK
- 2010 North America 2010 Workshop; *Attendance by Invitation only*; Vail Colorado February 4-6, 2010
- 2011 4th International Conference; Freiburg; Germany; 5th – 8th May 2011

Special Interests; Projects & Social Responsibility

Founder of the Face Value Foundation Trust: (NPO No. 18/11/14/2470.)

I have founded this Public Benefit Organization in the health sector.
Our Mission is “Supporting Improved Outcomes In Craniofacial Disorders, Cancer And Trauma Through Research, Teamwork, Training And Quality Care”

We are busy with a number of projects including

- initiating an early detection programme which will start locally and expand nationally
- Increase awareness of Head and Neck Cancer as WHO figures indicate that the incidence and mortality are greater than breast cancer
- We are raising funds and developing a sustainable education and fellowship program to bring expertise for training advanced rehabilitation to South Africa

Founder of the Head and Neck Support Group:

- The support group has now been operational since 2013 and is now sustainable with co-operation with CanSurvive and meets on a monthly basis.
- Research within the group shows great outcomes and this research will be presented at the International Society for Maxillofacial Rehabilitation in Groningen in June 2015 at the meeting "Supportive Care in Head and Neck Rehabilitation"

International Student Exposure

I have brought a number of international students, practitioners and academics to this country to our department for experience and delivery of training and education

Social Responsibility:

From within my private practice I have supported and educated staff elevating them from Cleaners:

- Ms Jane Rampede – now qualified and registered Dental Assistant
- Ms Nonhlanhla Tembe – Now qualified and registered Dental Assistant
- Ms Segisiwe Future Dube – Now a Bachelor in Marketing and business management.

Sporting Activities

- 1975 Border Provincial Sailing Champion (Portsmouth Rating).
- 1977 Schools Provincial Colours for Rowing & Squash (Captain).
- 1977 South African Schools Single Sculling Champion
- 1979, 1980 & 1982 South African Senior A Single Sculls Champion.
- 1979-80 Full Blue Colours - Rowing, University of the Witwatersrand..
- 1980 South African National ("Springbok") Colours for Rowing.
- 1980 Bronze Medal British International Rowing Championships. Nottingham, July 1980.
- 1980-1 President South African Universities Rowing Association.
- 1985 South African Senior Lightweight Coxed Four Champions.
- 1988 National Association of Underwater Instructors (NAUI) certified Scuba Diving Certification. (Diver Registration Q225976 – Instructor 8013)
- 1996 South African Olympic Selection Committee for Barcelona Olympics.
- 2004 – 15 Active participation in veterans league Squash.

Referees:

Professional Referees

Professor Martin Veller

Dean;
Faculty of Medicine
University of the Witwatersrand
email: martin.veller@wits.ac.za
Mobile: +27833772501

Professor C P (Peter) Owen

BDS; MScDent, MChD, FICD
Emeritus Professor
Department Of Oral Rehabilitation
School of health sciences
University of the Witwatersrand
+27836792205
Email: Peter.Owen@wits.ac.za

Professor Bill Evans:

Wits Oral Health Centre; School of Oral Health Sciences; University of the Witwatersrand;
Johannesburg; South Africa
+27823383809
Email: Bill.Evans@wits.ac.za

Professor Joy Shackleton

Adjunct Professor of Prosthodontics
Head: Dept. of Oral Rehabilitation
Wits Oral Health Centre; School of Oral Health Sciences; University of the Witwatersrand;
Johannesburg; South Africa
+27823383809
Email: Joy.Shackleton@wits.ac.za

Dr Terry Walton

AM, BDS, MSc, MS (Mich), DDSc
Affiliate Professor
Faculty of Dentistry
University of Sydney
Phone: +61 2 9265 0900
Email: twalton@mail.usyd.edu.au

Dr Johan Wolfaardt:

Associate Professor
Director; Institute for Reconstructive Sciences in Medicine;

University of Alberta; Edmonton, Alberta; Canada
+1 (780) 904-4228; +1 (780) 735-2827
Email: Johan.Wolfaardt@albertahealthservices.ca

Professor Matthias Haus:

MBChB; DMCOG; MFGP; Dip Child Health; Dip Obstetrics

Adjunct Professor in Medicine, University of Cape Town • Extraordinary Professor in Medicine, University of Pretoria • Partner at Gateways Business Consulting Group • Trustee of the Colleges of Medicine of South Africa • Editor in chief at Current Allergology and Clinical Immunology • Executive at the Allergy Society of South Africa; • Executive Vice President, AstraZeneca (sub-Saharan Africa and China) • Non-executive chairman, Professional Provident Society of South Africa • Senator, Colleges of Medicine of South Africa
+27829007983
Email: matt.haus@telkomsa.net

Dr Sree Koka

DDS MS PhD MBA
Career Design in Dentistry
Massachusetts Institute of Technology - Sloan School of Management
San Diego, California
+1 858-268-5020
Email: skoka66@gmail.com

Dr Hadi Seikaly

M.D.; M.A. Leadership, FRSC
Associate Professor
Director/Otolaryngology
Department of Surgery
Division of Otolaryngology
1E4.33 Walter C MacKenzie Health Sciences Centre
Faculty of Medicine & Dentistry
University of Alberta,
Canada, T6G 2R7
Office: (780) 407-3691
Email: hseikaly@ualberta.ca

Dr Daniel O'Connel

MD MSc. FRCSC

Associate Professor, Division of Otolaryngology-Head & Neck Surgery
University of Alberta
Vice President - International Society for Maxillofacial Rehabilitation (ISMR) www.ismr-org.com
Director - Fellowship in Advanced Training in Head & Neck Oncologic Surgery, University of Alberta
Director - International Outreach, Head & Neck Reconstruction Visiting Scholar Program

Director - Undergraduate Education; Otolaryngology - Head & Neck Surgery,
University of Alberta
Associate Editor - Journal of Otolaryngology - Head & Neck Surgery
1E4 8440 112 Street
Edmonton AB
Phone: (780) 407-7262
Email: dan.oconnell@ualberta.ca