International Association For Dental Research

XLIV Scientific meeting of the South African Division of the IADR
Emperor’s Palace, Johannesburg, South Africa
INTERNATIONAL ASSOCIATION FOR DENTAL RESEARCH

XLIV SCIENTIFIC MEETING OF THE SOUTH AFRICAN DIVISION

JOHANNESBURG, SOUTH AFRICA

30, 31 AUGUST - 01 SEPTEMBER 2012
OPENING SPEAKER

Prof V Pillay

Professor Viness Pillay, a Fulbright Scholar, is a South African NRF Research Chair in *Pharmaceutical Biomaterials and Polymer-Engineered Drug Delivery Technologies* hosted by the University of the Witwatersrand, funded by the Department of Science and Technology (DST) and administered by the National Research Foundation (NRF) at the Tier 1 Level. He is also a Personal Professor of Pharmaceutics, Head of Pharmaceutics and Director of Pharmaceutics and Contract Research at the University of the Witwatersrand, Department of Pharmacy and Pharmacology, South Africa. Funded from the Technology Innovation Agency (TIA) of South Africa, as well as other leading grant funding institutions, Prof. Pillay is the Director of the Wits Advanced Drug Delivery Platform (WADDP), being the only Platform in its domain in the country. The Platform encompasses the research, development and eventual commercialization of innovative drug delivery systems currently under development by his research team. He is currently recognized as a B2-rated scientist with the NRF for his work in drug delivery and rate-modulating polymeric complexes. In 2011 Prof. Pillay was awarded an African Network for Drugs and Diagnostics (ANDI) Center of Excellence in ‘Advanced Drug Delivery Technology’. Prof. Pillay is also designated as the Institutional Director of the Wits Hub of the National Medical Devices Innovation Platform (NMDIP), an initiative of the Medical Research Council (MRC) Innovation Center of South Africa. Prof. Pillay is a member of several prestigious academic associations, some of which include the Academy of Science of South Africa (ASSAf), the American Chemical Society (USA), American Association of Pharmaceutical Scientists (USA), New York Academy of Sciences (USA), Academy of Pharmaceutical Sciences (SA), the Biomaterials Network (Portugal) and the Pharmaceutical Society (SA). Prof. Pillay also served as an Associate Professor of Pharmaceutics at the College of Pharmacy and Pharmaceutical Sciences, Florida A&M University in Tallahassee, USA. He obtained his Ph.D. from Temple University School of Pharmacy (Philadelphia, USA) which led to a US patent on a monolithic device for controlled drug delivery. The awarded patent has been licensed by a US Pharmaceutical company. He has over 30 other local and international patent applications currently granted or under prosecution in the USA, Europe and Japan. His research findings have been extensively published with over 100 publications in international peer-reviewed journals and he has also made over 300 scientific presentations at both local and international conferences in the area of pharmaceutical technology, drug delivery and polymer science. He has written over 8 book chapters. Prof. Pillay currently supervises the largest cohort of postgraduate students in the Pharmaceuticals Sciences in South Africa with a team of over 50, Honors, Masters and PhD students, Postdoctoral Fellows and Researchers. He currently serves on the Reviewer and Editorial Advisory Boards of numerous international scientific journals and books.
IADR GUEST LECTURER/ KEYNOTE ADDRESS

Prof Thomy de Ravel

Professor Thomy de Ravel received his M.B.B.Ch. from the University of the Witwatersrand in Johannesburg, where he thereafter specialized in Paediatrics and then Clinical Genetics. After 10 years as coordinator of the Clinical Genetics Services and also Head of the Cytogenetics laboratory at the then SAIMR, he moved to the Centre for Human Genetics at the University Hospitals of Leuven, Belgium. Here he read for his PhD, this relating to the development of molecular karyotyping and interpretation of findings. He is currently Clinical Geneticist/ Head of Clinic and Clinical Head of the Pre- and Post-Natal (Molecular) Cytogenetics Laboratory at the Centre. His field of interest is, amongst others, the clinical application of molecular karyotyping and the influence of a CNV in the expression of disorders in individuals with intellectual disability, dysmorphism and other related conditions.

He is presently President of the Belgian Society of Human Genetics and Board member of the Belgian Association of Paediatrics. He is at Wits fulfilling the Faculty of Health Sciences Alumni Diaspora Programme Award as Distinguished Visiting Professor.
JUDGES

COLGATE COMMUNITY-BASED RESEARCH COMPETITION:

 Convener: Prof G Geerts

 Prof N Myburgh (UWC)

 Judges: Dr M Thekiso (Wits)
 Dr Y Kolisa (UP)

COLGATE POSTGRADUATE COMPETITION:

 Convener: Prof S Naidoo

 Prof AJ Louw (UWC)

 Judges: Dr Ajay Morar (Wits)
 Dr Z Vally (UP)

COLGATE UNDERGRADUATE COMPETITION:

 Convener: Prof V Yengopal

 Judges: Dr SY Harnekar (UWC)
 Prof A Ligthelm (UP)
 Prof S Shangase (Wits)
GENERAL INFORMATION

Registration Desk:
The congress registration desk will be open during the following times:

Thursday  30 August 2012:  7:30-16:00
Friday     31 August 2012:  7:30-16:00
Saturday   1 September 2012:  8:00-13:00

Business Office:
Enquiries should be made at the Emperors Palace Conference Centre.

Name Tags:
Name tags will be required for access to the conference area. Delegates are requested to wear name tags at all times.

Posters:
The poster area is in Senate 2. All posters must be mounted before 7:30 on Thursday 30 August 2012 and may only be removed during lunch time (13:00-14:00) on Friday 31 August 2012. Poster presenters must be present at their posters during the poster session on Thursday 30 August 2012 between 13:45 and 14:30.

Oral Presentations:
Presenters are requested to hand in their slides or disks to the technician at the slide preview area at least 60 minutes prior to the start of their session. Electronic presentations will be loaded on the hard disk drives of the laptops to be used for that session. Delegates will not be allowed to run their presentations from their own laptops and storage disks.

Presentation Preview Area:
The preview area is situated in Senate 1 and will be open for the duration of the congress.

Tea, Coffee and Lunches:
Tea, coffee and lunches will be served in the Luncheon area. Details will be announced during the conference.

Traders Exhibition:
The Traders Exhibition will be in the Senate 1. Delegates are requested to visit the stands and to support the exhibitors.
Congress Banquet:
The Congress Banquet is sponsored by Colgate-Palmolive and will take place on Thursday 30 August 2012, 18:30 for 19:00. Seating arrangements per table must be done at the registration desk before 18:30 on Thursday 30 August 2012. A cash bar will be available.

SKILLS TRANSFER PROGRAMME
The skills transfer workshops will be on Saturday 1 September 2012 from 08:00-13:00 at the conference venue.

MEETINGS
The following meetings have been scheduled:

- Executive Committee of SA Division of IADR: Senate 1.
- Annual General Meeting of the SA Division: Senate 1.

ACKNOWLEDGEMENTS
The Organizing Committee of the 2012 IADR Congress would like to express its most sincere appreciation to the following companies for their sponsorship, support and contributions:

Colgate-Palmolive South Africa: Sponsors of the Colgate Competitions, Congress banquet, Congress bags.

Dentsply South Africa: Sponsors of the Dental Materials Competition.
SCIENTIFIC PROGRAMME  Thursday 30 August 2012

7:00-8:00  Registration and Poster set-up

7:50-8:00  Announcements: Prof N Wood

8:00-8:15  Welcome and Introduction: Prof P Hlongwa

8:15-9:00  Opening speaker: Prof V Pillay

SESSION 1: COLGATE COMMUNITY-BASED COMPETITION

Chair: Secretary, IADR: Prof G. Geerts

9:00-9:15  I.J. AYO-YUSUF

Area-level Socioeconomic Position Influence on Oral Health Related Quality of life

9:15-9:30  C.B. NQCOBO

Caries Prevalence of Children Attending Special Needs

SESSION 2: COLGATE UNDERGRADUATE COMPETITION

Chair: President –elect, IADR: Prof V. Yengopal

9:30-9:45  A. DESAI

How effective is Traditional Oral Health Education?

9:45-10:00  S.J. VAN DER LINDHE

Effect of Dodonaea angustifolia on the virulence of Candida albicans

10:00-10:15  J. DE KOK

Comparison of Composite Interproximal Contact Using two Different Matrix Systems

10:15-10:30  T.A. VEDAN

Dental mistakes and ethical responses in an academic institution
10:30-10:45 **M. TSOKU**
Flow Properties of Six Light Bodied Regular Setting Impression Materials

10:45-11:15 **Tea\Coffee\Trade exhibition**

**SESSION 3: COLGATE POSTGRADUATE COMPETITION**

*Chair: President, IADR: Prof S. Naidoo*

11:15-11:30 **R. MULDER**
Polymerization shrinkage: bulk fill flowable composites - measured by electronic dilatometer.

11:30-11:45 **M. MOLETE**
Barriers to Accessing Dental Care amongst the Elderly in Johannesburg.

11:45-12:00 **C. VAN WYK**
Ability of Ptaeroxylon obliquum To Prevent Adhesion of Candida albicans

12:00-12:15 **R.I. MASUNGINI**
Impact of Missing Upper Anterior Teeth on Daily Life

**SESSION 4: GENERAL SESSION:**

12:15-12:30 **Z. JOOSAB**
Caries Prevalence among HIV infected children aged 4-10 years in Johannesburg

12:15-12:30 **N. MYBURGH**
Ethics, Evidence and Wisdom Extractions: Analysis of the clinical Algorithm

12:30-12:45 **G.U MOHANGI**
Activity of DBM augmented with xenogeneic BMP-complex in rats

12:45-13:00 **L. BAKARE**
The Lagos World Record Toothbrushing Challenge: Planning and Outcomes

13:00-13:45 **Lunch/ Trade Exhibition**
SESSION 5: Poster Viewing – Senate 2

13:45- 14:30   Poster Viewing
14:30-15:30   Annual General Meeting of the SA Division of IADR
15:30-16:30   Tea/Coffee/Trade Exhibition

16:00 – 17:00   Meetings for Interest Groups [Community Dentistry; Periodontology, Dental Materials, etc]

18:30   Congress Banquet-Colgate
SCIENTIFIC PROGRAMME  Friday 31 August 2012

7:45-8:00  Opening and Welcome: Prof S Naidoo
8:00-8:30  IADR Guest Lecture/ Keynote Address: Prof Thomy de Ravel

SESSION 6: ORAL PRESENTATIONS

8:30-8:45  U. CHIKTE
Costing Dental Tariffs in South Africa

8:45-9:00  B.G. OLUTOLA
Trends in Self rated Oral Health among South Africans during 2003-2010

9:00-9:15  V.J. WILSON
Perceived Stress among Dental Students at UWC

9:15-9:30  Y. KOLISA
Cross-cultural Adaptation of the Paediatric Oral Health Quality of Life Questionnaire in South Africa: Pilot Project

9:30-9:45  M.A MAAGA
Profile of Patients Treated in the Careline Clinic of MOHC

9:45-10:00  S. TOOTLA
A Comparison of Endodontic Treatment Outcomes between HIV Positive and HIV Negative Patients

10:00-10:30  Tea/Coffee/Trade Exhibition
SESSION 7: ORAL PRESENTATIONS

10:30-10:45  S. KHAN
Relevance of Prosthodontic Interventions for Shortened Dental Arches: Systematic Review

10:45-11:00  S. YASIN-HARNEKAR
Costing Dental Treatment under General Anesthesia in a Private Facility

11:00-11:15  E.F. HUTCHINSON
Osteological Changes in the Mental Region of the Immature Mandible

11:15-11:30  C. RAYNER
Perceived Sources of Stress among Oral Hygiene Students at UWC

11:30-11:45  J.N. MASIPA
Noma (Cancrum Oris): Case Report and Review of the Pathogenesis in Aids

11:45-12:00  M. NEMUTANDANI
Craniocervical Necrotizing Fasciitis: Unusual Dequel of Odontogenic Infection

12:15-12:30  T.R. RALEPHENYA
Oral Colonization in HIV Positive Women: Associated Factors/Changes with Antiretroviral Therapy

12:30-12:45  N.A. GORDON
Job satisfaction and Work Practices of Hygienists and Dental Therapists

12:45-13:00  N.P. SITHOLE
Characteristic Features of Skeletal Class III Black Patients at MEDUNSA

13:00-13:15  A. VOLCHANSKY
Previous Tooth Loss in Patients in Five Dental Practice Types

13:15-13:30  CLOSURE

13:30-14:30  Lunch/Trade Exhibition
SKILLS TRANSFER PROGRAMME  Saturday 1 September 2012

Emperor’s Palace Conference Centre, Johannesburg

08:00- 09:00  Registration

Workshop 1: Orthodontics [4CPD points] Dr Ajay Morar
9:00-10:00 An update on removable orthodontic appliances

10:00-10:30 Tea Break 10:00 – 10:30

10:30-11:00 An update on removable orthodontic appliances (cont.) 10:30 – 11:00

11:00-12:30 Hands-on aspects of removable orthodontic appliances 11:00 – 12:30

12:30-12:45 Discussion

Workshop 2: Endodontics [4CPD points]

9:00-9:30 Dr I Munshi
Design considerations in rotary endodontics

9:30-10:00 Dr N Naidoo
The WaveOne™ (Dentsply Maillefer) filing system

10:00-10:30 Tea break

10:30-12:30 Dr I Munshi/ Dr N Naidoo/Dr L Naidoo
Hands-on Training of the Wave-One™ (Dentsply Mailefer) Technique

12:30-12:45 Discussion -All
Workshop 3 Ethics in a Dental Setting [8 CPD points]

8:30 9:00 Welcome: S. Naidoo

9:05 N. Myburgh

History Reveals Why Ethics is Important Oral Reasoning and The Philosophical Foundations of Ethics in Health

9:30 N. Myburgh & S. Naidoo

Evidence, Ethics & Practice- Aesthetic Dentistry & Surgical Procedures

10:15 Tea and Coffee

10:30 N. Myburgh & S. Naidoo

Application of Ethical Principles to Real World Clinical Cases- See Below

11:30 N. Myburgh & S. Naidoo

Discussion and Feedback from Cases

12:00 Evaluation and Concluding Remarks