On the Wings of Excellence

59TH ANNUAL SCIENTIFIC SESSION
FRIDAY, FEBRUARY 26, 2010
SATURDAY, FEBRUARY 27, 2010

CHICAGO MARRIOTT DOWNTOWN
7TH FLOOR BALLROOMS I, II, III

Sincere Thanks and Special Recognition

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2011 MEETING DATE
February 25-26, 2011

ADA CERP

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- 1 -
THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS

The mission of The American Academy of Fixed Prosthodontics is to foster excellence in the field of fixed prosthodontics, implants, and esthetic dentistry through mutual study, participation, and cooperation. The Academy shall:

1. Provide for educational enrichment of those with a recognized commitment and dedication to the field of fixed prosthodontics, implants and esthetic dentistry.

2. Represent the discipline of fixed prosthodontics at all levels of the dental profession.

3. Promote excellence in patient care.

4. Promote excellence in teaching.

5. Encourage and support research in fixed prosthodontics.

6. Promote camaraderie and fellowship among the members of the Academy.

Authored by:
Dr. Stephen D. Campbell

Thanks to our
2010 Mission Partner

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THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

The American Academy of Crown and Bridge Prosthodontics has been, and, under its new name, The American Academy of Fixed Prosthodontics, approved in February 1991, will continue to be the leading national voice of fixed prosthodontics. Its membership is composed of educators, clinical practitioners, and researchers of this important discipline of dentistry.

The purpose of this organization is to achieve, by mutual study and cooperation, activities reflecting a high and ethical standard of practice as well as teaching and research in the art and science of crown and bridge prosthodontics.

The Academy had its origin in 1950 in Chicago, Illinois. The three men who deserve credit for the concept and preliminary planning for the Academy were: Dr. Stanley D. Tylman, Dr. Claude R. Baker, and Dr. George H. Moulton. These men of vision rallied other important leaders in the crown and bridge field to actively support their cause. Together, they planned an organizational meeting that took place at the Stevens Hotel on February 5, 1951. Those present at that meeting were: Doctors Stanley D. Tylman, Arthur O. Klaffenbach, Robert P. Dressel, Alver Selberg, Charles E. Peterka, Earl A. Nelson, Claude R. Baker, and George H. Moulton. Dr. Baker was chosen as temporary chairman and Dr. Moulton as temporary secretary.

The next meeting was at French Lick, Indiana, on March 19, 1951, where the tentative Constitution and Bylaws were presented for final approval. Charter members were initiated into the Academy on February 2, 1952, in Chicago, making this the first annual meeting of The Academy of Crown and Bridge Prosthodontics. We have continued to grow and expand our national and international membership to our present total of over 600 active and life members in 20 different countries.

Members of today have a proud heritage in the Academy. We continue to dedicate ourselves to the pursuit of knowledge, truth, and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Authored by: Dr. Jesse T. Bullard
Welcome members and guests to the 59th Annual Meeting of the American Academy of Fixed Prosthodontics. This will be another memorable AAFP event!

In 2001, for the AAFP 50th Annual Meeting, Drs. Malament and Litvak developed the best-attended program in Academy history. Again this year they have developed an exemplary agenda that reflects their expertise as clinicians and their dedication to the Academy Mission. We will gain valuable insights that are relevant to our clinical practices from internationally renowned speakers. Program relevance to achieve clinical excellence is an Academy hallmark.

The Academy offers unparalleled value for continuing education and fellowship. In addition to the scientific program, contributors to the art and science of fixed prosthodontics will be honored at the Annual Luncheon. The Table Clinic program is the largest in Academy history and will lead to our first Table Clinic Awards. Exhibitors have also made significant commitment to our gathering and deserve your attention. You won’t want to miss a single moment!

I would like to extend personal thanks to the Executive Committee, Board of Directors, Committee chairs and committees for their exceptional efforts in making this meeting a success. Serving with such a committed, motivated team is incredibly rewarding.

Throughout the year continue visiting the AAFP website for communication about Academy activities. Annual meeting program information, meeting registration, Tylman Grant application information, and newsletters are accessible for everyone. Additional resources are available on the members’ portion of the site. If you have any questions regarding Academy activities, please feel free to contact any of the Academy leadership for assistance.

Thank you for your Academy enthusiasm, and welcome to Chicago!
OFFICERS AND DIRECTORS 2009-2010
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Email: holloway.3@osu.edu
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Sangeetha Raghavendra 2012
Farhad Faz 2012

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John Agar ’13

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Steve Rosenstiel, President Elect

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Denny Smith, Academy Secretary
Martin Land, Advisor

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William Golden ’12
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Ricardo Schwedhelm, Advisor

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Elena Nazarova ’13, Photographer
Sangeetha Raghavendra ’14
Denny Smith, Ex Officio

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Robert Haney ’10
Sangeetha Raghavendra ’11

CLAUSE R. BAKER TEACHING AWARD IN FIXED PROSTHODONTICS
Patchneer Kunrunguanunt ’11, Chair
R. Duane Douglas ’10
Alvin Wwe ’10
James Holton ’12
Michael Myers ’12

INFORMATION TECHNOLOGY COMMITTEE
Julie Holloway ’13, Chair & Webmaster
Shereen Azer ’14
Steve Rosenstiel ’11
Amir Khatami ’12

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David Donatelli ’10
Nancy Clelland ’10
Kevin Plummer, Ex Officio

COMMITTEE B:
Judy Yuan, Chair ’11
Art Rodriguez ’11
Ken Malament

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AD HOC COMMITTEE FOR CORPORATE SUPPORT
Kent Knoernschild, Chair
Jane Brewer
Martin Land
Alejandro Peregrina
Ken Malament

AD HOC COMMITTEE FOR DENTAL LABORATORY TECHNICIAN SUPPORT
Burney Croll, Chair
Peter Lund
Sarah Johnson

AD HOC COMMITTEE TO CONSIDER AN AAPF MEETING IN EUROPE
Project delayed until 2011

AD HOC COMMITTEE FOR THE GARVER-STAFFANO PROSTHODONTIC PROGRAM DIRECTOS’S AWARD FOR EXCELLENCE
Steve Morgano, Chair
Carl Driscoll
Kent Knoernschild
Julie Holloway
Gerry Santulli (advisor)

STANDING PRESIDENTIAL APPOINTMENTS 2008-2009
PARLIAMENTARIANS
Gerald Santulli
Martin Land

MEETING DIRECTOR
Jack Lipkin
Ken Gehrke, Assistant

ACP PROSTHODONTIC FORUM REPRESENTATIVES
Kent Knoernschild

SECRETARY FOR GUESTS
Richard Jordan

CHAPLAIN
Earl Stover

Steve Rosenstiel, Alternate
PREVIOUS TILYMAN AWARD RECIPIENTS

1979: Dr. James N. Ciesco
1980: Not awarded
1981: Dr. Timothy O. Hart
1982: Not awarded
1983: Dr. David Alan Chance
1984: Dr. Jeffrey L. Hudgings
1985: Dr. George W. Kay
1986: Dr. Anthony J. G. Dickinson
1987: Dr. Izchak Bertsilay
1988: Dr. Susan E. Brackett
1989: Not awarded
1990: Dr. Shane N. White
1991: Not awarded
1992: Not awarded
1993: Dr. Louis Menegotto
1994: Dr. Syed Faheem Rasool
1995: Dr. Fonda G. Robinson
1996: Dr. Paula K. Yliheikkila
1997: Dr. Kevin H. O’Boyle
1998: Dr. David G. Gratton
1999: Dr. Douglas E. Ford
2000: Dr. Reza Heshmati
2001: Dr. Salman A. Lakhani
2002: Dr. Periklis Proussaefs
2003: Dr. Luis Keys
2004: Dr. Vanessa Swain
2005: Dr. Philip Tan
2006: Dr. Kelly Copps Wood
2007: Dr. Heather J. Conrad
2008: Dr. Keith L. Guzaitis
2009: Dr. Islam Khasawneh

Special thanks to the
Editorial Council of the Journal of Prosthetic Dentistry
for its ongoing support of the
Tilman Awards

PREVIOUS MOULTON AWARD RECIPIENTS

1992: Dr. George H. Moulton
1993: Dr. Ernest B. Nuttall
1994: Dr. Max Kornfeld
1995: Dr. Robert J. Nelson
1996: Dr. Everett V. Payne
1997: Dr. Samuel E. Guyer
1998: Dr. Roland W. Dykema
1999: Dr. Herbert T. Shillingburg, Jr.
2000: Dr. Not Awarded
2001: Dr. Loyd L. Miller
2002: Dr. Ralph Yuodelis
2003: Dr. Robert S. Staffanou
2004: Dr. Maurice H. Martel
2005: Dr. Ronald D. Woody
2006: Dr. Charles J. Goodacre
2007: Dr. Kenneth Malament
2008: Dr. Stephen D. Campbell
2009: Dr. Don G. Garver
2010: Dr. Steven Aquilino

PREVIOUS CLAUDE R. BAKER AWARD RECIPIENTS

2002: Not Awarded
2003: Dr. Alvin Wee
2004: Dr. Ariel Raigrodski
2005: Dr. Nyung G. Chang
2006: Dr. Patchnee Rungruanganunt
2007: Dr. Shigemi Ishikawa-Hagai
2008: Not Awarded
2009: Dr. Nadim Baba

*Prior to 2005 the award was named the Undergraduate Teaching Award. The Undergraduate Teaching Award was established February 21, 2001. The name was changed to the Claude R. Baker Teaching Award on August 21, 2004.
ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING
THURSDAY, FEBRUARY 25, 2010

5:30PM-7:00PM  **Early Registration for Members**
4th Floor, Halsted Foyer

6:00PM  **Members’ Cocktail Reception**
4th Floor Foyer

7:00PM  **Members’ Annual Dinner**
4th Floor Marriott Ballroom

8:00PM  **Members’ Annual Business Meeting**
4th Floor Marriott Ballroom
Business Meeting

Town Hall Meeting

Dr. Ken Malament
2010 Program Co-Chairs

Dr. Harold Litvak

Dr. Ariel Raigrodski
2011 Program Co-Chair

Dr. John Townsend
2011 Program Co-Chair

Dr. Carl Driscoll
*Ex-Officio*
1. Title: “CEREC Endocrowns: A Two-Year Clinical Observation”
   Presenter 1: Dr. Jasmin Bernhart
   Mentor: Dr. Joerg Strub
   Institution: School of Dentistry, University Freiburg, Germany

2. Title: “A Technique Used for a Screw Retained Prosthesis In The Aesthetic Zone”
   Presenter 1: Dr. Kathryn Ryan
   Mentor: Dr. Gerald Ziebert
   Institution: Postgraduate Prosthodontics, School of Dentistry, Marquette University, Milwaukee, WI

   Presenter 1: Dr. Ahmad M. Kutkut
   Mentor: Dr. Edward Monaco
   Institution: Postgraduate Prosthodontics, SUNY at Buffalo School of Dental Medicine, Buffalo, NY

4. Title: “Can We Trust Shade Guides? The Effect of Disinfecting Solutions”
   Presenter 1: Dr. Mohammad D. Al Amri
   Institution: College of Dentistry, King Saud University, Riyadh, Saudi Arabia

5. Title: “Management of Failure of a Fixed Complete Denture Fabricated with Cresco Ti Precision System”
   Presenter 1: Dr. Montry Suprono
   Mentor: Dr. Matthew Katzadiyl, Dr. Amir Khatami
   Institution: Postgraduate Prosthodontics, Loma Linda University, Dental School, Loma Linda, CA

6. Title: “Soft and Hard Tissue Defect Restored with a One-piece Zirconia Implant Prosthesis”
   Presenter 1: Dr. Yi-Ming Yang
   Mentor: Dr. Michael Razzouog
   Institution: Postgraduate Prosthodontics, University of Michigan, Dental School, Ann Arbor, MI
7- Title: “Anterior Labial Reduction Guide”  
Presenter 1: Dr. Seok-Hwan Cho  
Presenter 2: Dr. Jenn-Hwan Chen  
Mentor: Dr. William Nagy  
Institution: Postgraduate Prosthodontics, Baylor College of  
Dentistry, Dallas, TX

8- Title: “Clinical Comparison of Postoperative Sensitivity for  
All-ceramic Posterior Crowns Using Two Luting Cements”  
Presenter 1: Dr. Petra C. Guess  
Mentor: Dr. Joerg Strub  
Institution: School of Dentistry, University of Freiburg, Germany

9- Title: “A Simple Layering Technique Used to Create Esthetic  
Implant Provisional Restorations”  
Presenter 1: Dr. Tanawat Ritkajorn  
Presenter 2: Dr. Marcie Yang  
Mentor: Dr. James Holtan  
Institution: Postgraduate Prosthodontics, University of Minnesota,  
Dental School, Minneapolis, MN

10- Title: “Computer Guided Implant Surgery and Prosthetic  
Rehabilitation in Undergraduate Student Education”  
Presenter 1: Dr. Birgit Kröplin  
Mentor: Dr. Joerg Strub  
Institution: School of Dentistry, University of Freiburg, Germany

11- Title: “The Compatibility of Treated Y-TZP with Multiple  
Conventional Veneering Porcelains”  
Presenter 1: Dr.Aws S. Arrejaie  
Mentor: Dr. Russell Giordano  
Institution: Postgraduate Prosthodontics, Boston University  
H. Goldman School of Dental Medicine, Boston, MA

12- Title: “What Implant is That? A Web-based Reference for  
Implant Radiographic Identification”  
Presenter 1: Dr. Nathanial Farley  
Presenter 2: Dr. Kent Howell  
Mentor: Dr. Julie Holloway and Dr. Edwin McGlumphy  
Institution: Postgraduate Prosthodontics, The Ohio State  
University, Dental School, Columbus, OH

13- Title: “Challenges in Restoring Class II Patients with Fixed  
Prostheses”  
Presenter 1: Dr. Joanna Kempler  
Mentor: Dr. Carl Driscoll  
Institution: Postgraduate Prosthodontics, University of Maryland  
Dental School, Baltimore, MD

14- Title: “Reconstruction of Malpositioned Implants in the Anterior  
Maxilla”  
Presenter 1: Dr. Junghoo Yoo  
Mentor: Dr. John Agar  
Institution: Postgraduate Prosthodontics, University of  
Connecticut, Dental School, Farmington, CT

15- Title: “Modified 2-step Putty Wash Impression Technique for  
Implants and Tooth Preparations”  
Presenter 1: Dr. Bart M. Cragen  
Mentor: Dr. Curtis Werking  
Institution: Naval Postgraduate Prosthodontics Dental School,  
Bethesda, MD

16- Title: “Implant Surgical Guides Utilized in Different  
Case Situations”  
Presenter 1: Dr. Marcie Yang  
Presenter 2: Dr. Roxanna Saldarriaga  
Mentor: Dr. James R. Holtan  
Institution: Postgraduate Prosthodontics, University of  
Minnesota, Dental School, Minneapolis, MN

17- Title: “A Simple Method of Transferring Path of Placement  
Intraorally in Fixed Dental Prosthesis”  
Presenter 1: Dr. Laleh Abdolazadeh  
Mentor: Dr. Curtis Werking  
Institution: Naval Postgraduate Prosthodontics Dental School,  
Bethesda, MD

18- Title: “Methods of Transferring Soft Tissue Contours from  
Interim Restorations to Final Prostheses”  
Presenter 1: Dr. Chris S. Kaplafka  
Mentor: Dr. Curtis Werking  
Institution: Naval Postgraduate Prosthodontics Dental School,  
Bethesda, MD
19- Title: “Abutment Modifications for Implant Restorations in a Limited Space Scenario”
Presenter 1: Dr. Garin M. Liu
Mentor: Dr. Curtis Werking
Institution: Naval Postgraduate Prosthodontics Dental School, Bethesda, MD

20- Title: “Soft Tissue Inflammation Around Fixed Restorations: A Case Report”
Presenter 1: Dr. Erick Lachner
Presenter 2: Dr. Carolina Cespedes
Mentor: Dr. William Nagy
Institution: Postgraduate Prosthodontics, Baylor College of Dentistry, Dallas, TX

21- Title: “The Effect of Techniques for Removal of Residues of Silicon Fit Disclosing Agent on the Retention of Ceramo/metal Crowns”
Presenter 1: Dr. Ada Yojana Brincefield
Mentor: Dr. Rafael G. Castellon
Institution: Postgraduate Prosthodontics, Nova University, Fort Lauderdale, FL

22- Title: “Pulpectomy and Magnetic Extrusion as Site Preparation Prior to Implant Therapy”
Presenter 1: Dr. Andrew Benson
Presenter 2: Dr. Annie C. Wilson
Mentor: Dr. William Nagy
Institution: Postgraduate Prosthodontics, Baylor College of Dentistry, Dallas, TX.

23- Title: “An Interdisciplinary Approach for Esthetic Restoration in the Anterior Maxilla”
Presenter 1: Dr. Lulu Li
Mentor: Dr. John Agar
Institution: Postgraduate Prosthodontics, University of Connecticut Dental School, Farmington, CT

24- Title: “Advanced Prosthetic and Surgical Procedures in a Reconstructive Dental Case”
Presenter 1: Dr. Andrew R. Chapokas
Mentor: Dr. John Agar
Institution: Postgraduate Prosthodontics, University of Connecticut, Dental School, Farmington, CT

25- Title: “Implant Supported Reconstruction of Edentulous Maxilla with Modification of the Mandibular Occlusal Plane”
Presenter 1: Dr. Omaid Khalid Ahmad
Mentor: Dr. John Agar
Institution: Postgraduate Prosthodontics University of Connecticut, Dental School, Farmington, CT

26- Title: “Determining the Accuracy of Articulator Interchangeability and Hinge Axis Reproducibility”
Presenter 1: Dr. Priyanka Taneja
Mentors: Dr. Philip Millstein and Dr. Robert F. Wright
Institution: Harvard School of Dental Medicine, Harvard University, Boston, MA

27- Title: “A Case Report of Prosthodontic Treatment of Hypohidrotic Ectodermal Dysplasia (HED)”
Presenter 1: Dr. Deo Pun
Presenter 2: Dr. Kelly Beck
Mentors: Dr. Gerald Ziebert and Dr. Kenneth Sobczak
Institution: Postgraduate Prosthodontics School of Dentistry, Marquette University, Milwaukee, WI

28- Title: “The Temporal Linear Stability of Dental Investments”
Presenter 1: Dr. Georgios Maroulakos
Presenter 2: Dr. Sven Bone
Mentor: Dr. William Nagy
Institution: Postgraduate Prosthodontics, Baylor College of Dentistry, Dallas, TX.

29- Title: “Replacement of an Andrew’s Bridge with Fixed-detachable Hybrid Prosthesis”
Presenter 1: Dr. Georgia Weld
Mentor: Dr. John R. Agar
Institution: Postgraduate Prosthodontics, University of Connecticut, Dental School, Farmington CT
30- 2nd Place Tylman Award Competition
Title: “The Effect of Veneering on the Biaxial Flexural Strength of Selected Dental Ceramics”
Presenter: Dr. Wei-Shao Lin
Mentor: Dr. Carlo Ercoli
Institution: University of Rochester, Eastman Institute for Oral Health, Rochester, NY.

31- 3rd Place Tylman Award Competition
Title: “A Comparison of Absolute Translucency and Relative Translucency of All-ceramic Core Materials and Associated Veneering Porcelain”
Presenter: Dr. Lisa Spink
Mentor: Dr. J. R. Kelly
Institution: University of Connecticut School of Dental Medicine, Department of Restorative Sciences, University of Connecticut Health Center, Farmington, CT.

THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS FIFTY-NINTH ANNUAL SCIENTIFIC SESSION FRIDAY, FEBRUARY 26, 2010

On the Wings of Excellence

7:00AM  Registration, 7th Floor Foyer
Continental Breakfast in Exhibit Hall, Salon III

7:50AM  WELCOME: Dr. Kent Knoernschild, President

8:00  Dr. Avi Sadan
Comprehensive Esthetic Dentistry

8:40  Dr. Dan Edelhoff
Light Transmission Through All-ceramic Framework Materials

9:20  Dr. Joerg Strub
Are Ceramic Implants an Alternative to Titanium Ones?

10:00  REFRESHMENT BREAK IN THE EXHIBITS HALL* (All Members, Guests and Students Invited)

10:35  Dr. Dennis Tarnow
Immediate vs. Delayed Socket Placement

11:20  Dr. Mauro Fradeani
Prosthetic Rehabilitation: Esthetic and Functional Aspects

12:05  Dr. Daniel Domagala
2010 Tylman Award Winner
The Accuracy of Multi-implant Cases Fabricated Using a Seg-mental Framework Matrix

12:20  ANNUAL MEMBER & GUEST LUNCHEON
5th Floor

1:50PM  Dr. Dianne Rekow
Reliably Predicting Performance of New Ceramic Restoration Materials

2:30  Dr. Brahman Miller
Implant Esthetics and the Importance of Provisionalisation and Abutment Choice and Design: Concentrating on Enhancing Results.

3:10  REFRESHMENT BREAK IN THE EXHIBITS HALL* (All Members, Guests and Students Invited)

3:40  Dr. Carl Driscoll
What does the future hold for us? A Review of the Edentulous Patient Restored with Implants: A Retrospective and Prospective Look

4:20  Dr. Dan Nathanson
High Strength Ceramics vs. PFM: The Good, The Bad, and the Ugly?

5:00  Closing Comments

5:30  ANNUAL MEMBER & GUEST COCKTAIL RECEPTION
Exhibit Hall, Salon III
On the Wings of Excellence

7:00AM
Registration, 7th Floor Foyer
Continental Breakfast In Exhibit Hall, Salon III

8:00
Dr. Stephen Campbell
Finding the Best Solutions for Our Patients -
Implant Dentistry Today and Tomorrow

8:40
Dr. Neil Meredith
Implant Fixed Prosthodontics: How Far Have We Come
and How Far Can We Go?

9:25
Dr. Clark Stanford
The Challenges of Managing Hypodontia

10:10
REFRESHMENT BREAK IN THE EXHIBITS HALL*
(All Members, Guests and Students Invited)

10:40
Dr. David Garber
*The "Pink" Evolution...An Esthetic Missing Link...*
*Options...Limitations...Solutions...*

11:20
Dr. Sonia Lezii
Surgical Perspectives for Achieving Exceptional Implant
Esthetics: A Blueprint For Change.

12:05
ANNUAL TABLE CLINIC SESSION & LIGHT LUNCHEON
FOOD SERVED IN THE FIFTH FLOOR BALLROOM &
7TH FLOOR EXHIBIT HALL* (EXHIBITS WILL CLOSE
AT THE START OF THE AFTERNOON PROGRAM)

2:00
Dr. Fernando Rojas Vizcaya
Esthetic Design for Maxillary Complex Cases

2:45
Dr. Mark Nevins
Growth Factors for Esthetic Implant Site Preparation

3:30
Dr. Tom McGarry
Complications, Bad Results and Patient Expectations in
Implant Dentistry

4:15
TABLE CLINIC AWARDS
Dr. Flavio Rasetto
Table Clinics Committee Chair

CLOSING REMARKS
Dr. Kent Knoernschild, President
Dr. Ken Malament, Program Chair

*EXHIBITS WILL BE OPEN CONTINUOUSLY FROM 7:00 AM TO 2:00 PM
**REFRESHMENTS WILL BE SERVED IN THE 7TH FLOOR EXHIBIT HALL

For more Information about the Academy visit the AAFP Web site:
www.fixedprosthodontics.org
Daniel Edelhoff, C.D.T., Dr. Med. Dent., Ph.D.
Light Transmission Through All-Ceramic Framework Materials

Synopsis:
Superior esthetics of all-ceramic restorations is based on the optical resemblance to natural tooth structure. Recently new types of zirconia-, alumina- as well as glass-ceramics have been introduced. The light transmission of innovative framework ceramics at clinically appropriate thicknesses was quantified in a spectrophotometer at wavelengths of the visible spectrum. Significant differences beneath the materials could be identified with consequences for their clinical application.

Curriculum Vitae:
Daniel Edelhoff is currently Tenured Associate Professor at the Department of Prosthodontics and Dental Material Sciences at the Ludwig-Maximilians-University in Munich. He is board certified specialist in Prosthodontics and holds memberships in the German Society of Oral and Maxillofacial Medicine and the German Society Dental Prosthetics and Material Sciences (DGZPW). He is member of the managing committee of the German Association of Oral Implantology (DGI) and the advisory board of DGZPW. He is the author of numerous research articles.

Dr. Joerg Strub, DDS, D MED DENT, D MED DENT HABIL.
Are Ceramic Implants an Alternative to Titanium Ones?

Synopsis:
Arguments for the use of ceramic materials for oral implants are: better esthetics (white color), better material properties (no corrosion, sensitization or allergy), metal-free and restorations and ceramics are “hip.”

In this presentation the state of the art of ceramic implants will be presented including the data of a recently conducted systematic literature review.

Curriculum Vitae:
Dr. J. R. Strub, born in 1948, received his D.D.S., Dr. Med. Dent. and Dr. Med. Dent. Habil. (PhD equiv) degrees from the University of Zurich, Switzerland in 1975/1985 and the Dr. h.c. from the National and Kapodistrian University, Athens, Greece, in 2008.

Since 1988 Dr. Strub has been Professor and Chair of the Department of Prosthodontics at the Albert-Ludwigs University in Freiburg, Germany.
Synopsis:
Immediate placements of implants into extraction sockets is an exciting treatment alternative for our patients. However, there are many potential short and particularly long term risks of which the practitioner must be fully aware. This presentation will focus on the potential problems and benefits both clinically and biologically when the choice of immediate socket placement is made for single and multiple sites.

Upon completion of this presentation participants should be able to

- Identify what type of healing takes place against the implant in immediate socket placement
- Know how to minimize recession with immediate provisionalization
- Know the proper crown contour for immediate provisional crowns
- Know if the gap distance really matters
- Know if primary closure should be attempted or should it be left open?
- Know if membranes should be utilized?
- Know what type of graft material if any should be utilized?
- Identify what are the potential short and long term risks involved with immediate placement of implants?

Curriculum Vitae:

Dennis P. Tarnow: is presently Professor and Chairman of the Department of Periodontology and Implant Dentistry at New York University College of Dentistry. Dr. Tarnow has a certificate in Periodontics and Prosthodontics and is a Diplomate of the American Board of Periodontology. He is a recipient of the Master Clinician Award from the American Academy of Periodontology and Teacher of the Year Award from New York University. Dr. Tarnow has a private practice in New York City, and has been honored with a wing named after him at New York University College of Dentistry. He has published over one hundred articles on peri-prostodontics and implant dentistry and has coauthored three textbooks including one in 2008 titled Aesthetic Restorative Dentistry. Dr. Tarnow has lectured extensively in the United States and internationally in over thirty countries.
Dr. Daniel Domagala
First Place Winner: Tyman Research Award
The Accuracy of Multi-Implant Casts Fabricated Using a Segmental Framework Matrix

Synopsis:
Accurate implant casts are required when fabricating multi-implant frameworks. Accumulation of the clinical and laboratory errors in a definitive cast results in a compromised clinical fit of the implant frameworks. The presentation will review the most common sources of error and isolate the most commonly accepted methods for definitive cast fabrication. It will also show the alternative method of implant cast fabrication, the Segmental Framework Matrix. Presented will be an in vitro study designed to test whether significant differences in accuracy exist between casts fabricated with the use of commonly accepted Splinted Impression procedure (SI) and casts fabricated using an alternative technique, the Segmental Framework Matrix (SFM). Dimensional analysis of implant replica displacements within the casts will be made.

Curriculum Vitae:
Dr. Domagala graduated from the Medical University of Silesia, Poland in 2002. After completing his national and regional dental boards he attended a 3 year residency program in fixed and removable prosthodontics, implant and maxillofacial prosthetics at Marquette University School of Dentistry in Wisconsin. He holds a Certificate of Specialty in Prosthodontics and Master of Science Degree in Implant Prosthetics.

Dr. Domagala remains in private practice in Chicago and was appointed Adjunct Assistant Professor at Marquette University School of Dentistry where he continues to contribute to the field of dentistry through teaching and research activity. He is a recipient of Marquette University Graduate Prosthodontics Scholarship, Marquette University Research Day Award and the American Prosthodontic Society Graduate Research Award. Dr Domagala’s research on dental implants was supported by a Tyman Grant from the American Academy of Fixed Prosthodontics and was distinguished by the first prize award in 2009. Dr Domagala was invited as guest speaker at the national and regional level and published his work in the most respected journals in the field of reconstructive dentistry. His clinical and research interests focus on the fit of removable and fixed restorations and include oral endosseous implants and computer aided dental systems.
Dianne Rekow, DDS PhD
Reliably Predicting Performance of New Ceramic Restorative Materials

Synopsis:
New ceramic restorative materials are continually being introduced – but many have not performed nearly as well as anticipated. This presentation will address the influence of material properties on performance of monolithic and layered ceramic materials and recommend testing approaches to reliably predict long-term clinical performance.

Curriculum Vitae:
Dr. Rekow earned graduate degrees in both engineering and dentistry from the University of Minnesota. She has chaired clinical and basic science departments and for over 10 years led an NIH-supported multi-institutional team investigating damage initiation and propagation in brittle materials. She is currently Senior Vice Provost for Engineering and Technology at New York University and Provost of Polytechnic Institute of New York University.

Brahm Miller, DDS MSc Cert. Pros
FCDS(BC) FRCD(C)
Implant Esthetics and the Importance of Provisionalisation and Abutment Choice and Design: Concentrating on Esthetics

Synopsis:
High-end implant esthetics requires precise steps from diagnosis through to the restorative phase. These steps are not exclusive of each other. They are deliberate and require a clear understanding of what is possible and the skill required to carry out each procedure. Each small advancement will help in the initial and long term stability of the treatment. Arguably, provisionalisation and abutment selection are two of the most important stages in the blueprint. This presentation will focus specifically on these two components of treatment, illustrating how these steps are as closely related to the surgical phase as they are to the final restoration.

Curriculum Vitae:
Carl F. Driscoll, DMD
What does the future hold for us? A review of the Edentulous Patient
Restored with Implants: A Retrospective and Prospective Look

Synopsis:
We have seen the evolution of complete dentures relying on the intimate fit of the denture to the
soft tissues of the mouth to a denture that is completely retained by implants. This presentation
will discuss current and potential future problems that may arise, as we restore the completely and
partially edentulous mouth with implant prostheses.

Curriculum Vitae:
Dr. Carl F. Driscoll received his DMD from Tufts University in 1977. He completed a
General Practice Residency at Ft. Meade, MD in 1978 and received his prosthodontic
training at Letterman Army Medical Center in San Francisco in 1986. In 1990, he
completed a Fellowship in Maxillofacial Prosthetics at the National Naval Dental
School in Bethesda, MD. Dr. Driscoll currently serves as a Professor at the University
of Maryland Dental School and as Director of the Prosthodontic Residency. He previously
held the same position with the United States Army at Walter Reed Army Medical
Center in Washington, DC from 1994-1997. Dr. Driscoll retired from the U.S. Army in
1997 with the rank of Colonel. Dr. Driscoll is a Diplomate of the American Board of
Prosthodontics and a Fellow of the American College of Prosthodontists. Dr. Driscoll
is a Director of the American Board of Prosthodontics. Dr. Driscoll has given over 200
presentations nationally and internationally to include South America, Sweden, Brazil,
Germany, Korea, Japan, Singapore, Poland, Israel, Mexico, Canada, Uruguay, and the
Marshall Islands. He has authored numerous papers, abstracts, and book chapters.

Dan Nathanson, DMD, MSD
High strength ceramics vs. PFM: the good, the bad, and the ugly?

Synopsis:
Modern fixed prosthodontics is quickly shifting the balance from the venerable PFM to
closer All-Ceramic systems. This evolution can be beneficial to us and our patients but
also can evoke confusion, misconceptions, and questions about the outcome. This
presentation reviews new ceramic technologies and discusses their performance,
advantages and disadvantages as routine restorative options.

Curriculum Vitae:
Dr. Nathanson is Professor and Chairman, Department of Restorative Sciences, Biomechanics and Biomaterials at Boston University, comprising the programs of Prosthodontics, Advanced Operative, AEGD and Biomaterials. He holds a DMD from Hebrew University and a MS and Certificate in Prosthodontics from Boston University. He is a Fellow of the Greater NY Academy of Prosthodontics, the Academy of Prosthodonics, the American Academy of Esthetic Dentistry and the Academy of Dental Materials. He is also a member of the American College of Prosthodontists and sits on the Editorial Council of JPD.
Stephen D. Campbell  
Finding the Best Solutions for Our Patients  
Implant Dentistry Today and Tomorrow

**Synopsis:**
The introduction of osseointegrated root form dental implants and their evolution has changed the face of prosthodontic care and the treatment of our patients with partial and complete edentulism. However, the reality is that only a small percentage of patients with partial and complete edentulism are treated with implant-supported restorations. This is the result of a variety of complex practice, patient and educational forces.

With the aging of America, the numbers have become staggering. More than 35 million Americans are completely edentulous in at least one arch, and 178 million of us are missing one or more teeth. The impact on your practice and/or educational environment is very real. What would you want for yourself or a close family member?

The presentation will consider the current environment and solutions for providing the most appropriate care for all of our patients. The presentation will provide clinical examples and techniques (e.g., immediate placement, custom healing abutments, final abutments and restorative materials), as well as other strategies for optimizing the results of the care we provide.

**Curriculum Vitae:**
Dr. Stephen D. Campbell received his D.D.S. from the Medical College of Virginia. He completed an Advanced Program in Prosthodontics at the Harvard School of Dental Medicine and a Master of Medical Science Degree with a biomaterials focus at Harvard University in conjunction with the Massachusetts Institute of Technology.

Dr. Campbell is a Diplomate of the American Board of Prosthodontics and is active in several dental organizations. He is Past-President of the American College of Prosthodontists, American Board of Prosthodontics, Academy of Prosthodontics, American Academy of Fixed Prosthodontics and the International Association of Dental Research Prosthodontics Section. Dr. Campbell is currently President of Greater New York Academy of Prosthodontics.

Dr. Campbell has extensive clinical experience, having spent most of his time providing patient care. Dr. Campbell is currently Professor and Head of the Department of Restorative Dentistry and Director of the Comprehensive Dental Implant Center at the University of Illinois at Chicago. He has been active in dental research throughout his career having been the principal investigator for several NIH grants dealing with ceramics.

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Neil Meredith, BDS MSc FDS RCS  
PhD (U. Lond) PhD (U. Got)  
Implant Fixed Prosthodontics:

**Synopsis:**
This presentation explores the future of fixed prosthodontic perspective with a view on implant restored restorations and the implications of CAD-CAM technology. Are we really seeing improvements in accuracy, performance and aesthetics with modern techniques and materials or are we just building in latent problems? As an example, phase transformation in zirconia can be beneficial as far as arresting crack growth but deleterious if it results in a phase which is considerably weaker. The presentation will also discuss the accuracy of digitizing data from impressions and casts in the production of CAD-CAM generated restorations.

**Curriculum Vitae:**
Neil Meredith graduated from Guy's Hospital, London in 1983. He then completed a Masters in Conservative Dentistry at the Eastman Dental Institute in 1987. Lecturing at the Eastman, Neil carried out research in Biomaterials and Biomechanics and invented the RFA technique to measure implant stability in 1992. Completing his PhD in 1996 he then moved to the University of Bristol as a consultant and senior lecturer. In 1998 Neil Meredith completed a second Swedish PhD at the University of Gothenburg. In 1998 he took up the Chair in Biomaterials and Restorative Dentistry at the University of Leeds. In 1999 Neil started development of the Neoss implant system where he has been CEO for six years. As well as practising clinically he has also published many publications and lectured internationally.
Synopsis:
Patients who present with hypodontia often create complex treatment planning and sequencing challenges for the prosthodontic team. If implant therapy is selected, esthetic challenges need to be managed with a respect to treatment goals and provide methods for re-restoration in the future. A comprehensive management strategy will be discussed with a legacy that the concepts transfer to the management of our more routine prosthodontic patients.

Curriculum Vitae:
Dr. Clark Stanford is the Associate Dean for Research and holds the Centennial Fund Professorship for Clinical and Translational Research in the Dows Institute and in the Department of Prosthodontics, College of Dentistry, University of Iowa. He also holds appointments in the Department of Orthopedic Surgery (College of Medicine) and Department of Biomedical Engineering. Dr. Stanford received his BS, DDS, Certificate in Prosthodontics and PhD (Cell and Molecular Biology) from the University of Iowa. He has been on the faculty at Iowa since 1992.

David Garber
*The “Pink” Evolution...An Esthetic Missing Link...*
*Options...Limitations...Solutions...*

Synopsis:
This program is a perspective into how “esthetic dentistry” became an integral part of all clinical practices, and why in 2010 it has become essential to combine not only “white” tooth esthetics but also “pink” gingival aspects.

Today, understanding the prosthetic surgical and biological “limitations” is part of new treatment planning protocols in an approach to simplify, expedite and limit therapy. Preemptive 3D CAD/CAM planning of soft and hard tissue grafts, implant placement ridge reduction and restorative design now utilize new innovative alternative protocols for prosthetically complete restorations.

Curriculum Vitae:
Dr. David Garber is one of the internationally recognized multidisciplinary educators well-known as “Team Atlanta.” Dr. Garber is the recipient of “The 2005 Gordon J. Christensen Lecturer Recognition Award,” “The American College of Prosthodontics Distinguished Lecturer Award,” “The Northeastern Periodontal Society Isaiah Hirschfeld Award for Clinical Excellence,” “The Greater New York Academy of Prosthodontics Distinguished Lecturer Award,” and “The David Serson Medal of Research.”

He is a past president of the American Academy of Esthetic Dentistry and has served on the boards of both the AAED and the American Academy of Fixed Prosthodontics.

Dr. Garber is dual trained clinician and professor in the Department of Periodontics as well as in the Department of Oral Rehabilitation at the Medical College of Georgia. He is a Clinical Professor in the Department of Prosthodontics at LSU School of Dental Medicine and a Clinical Professor in the Department of Restorative Dentistry at the University of Texas in San Antonio.

He is past editor of the Journal of Esthetic Dentistry, past president of the AAED and co-author of Porcelain Lamine Veneers, Bleaching Teeth, Porcelain and Composite Inlays and Onlays, and Complete Dental Bleaching, and has published in excess of 60 articles and textbooks chapters.
Sonia Leziy, DDS, FCDS(BC), FRCD(C)
Surgical perspectives for achieving exceptional implant esthetics: a blueprint for change.

Synopsis:
Restoration with implants demands an understanding of preoperative conditions as well as the surgical and restorative procedures that influence tissue architecture. Without a pleasing gingival framework, even the most skilled restoring dentist and ceramist cannot predictably deliver highly esthetic results. An understanding of how to maintain or to enhance tissue form is a crucial element to a highly successful esthetic outcome. Current surgical treatment concepts and techniques used to enhance the esthetic results of restorations supported by single and multiple implants will be presented.

Curriculum Vitae:

Saturday, February 27, 2010
2:00PM

Fernando Rojas-Vizcaya, DDS, MS
Esthetic Design for Maxillary Complex Cases

Synopsis:
This presentation shows a protocol with guidelines to restore complex immediate placement/loading fully maxillary cases using the Most Apical Buccal Bone Level (MABL) in the esthetic zone as point of reference for case analysis, design and creation of new pink and white esthetics in order to simplify the treatment plan and avoid in some cases the necessity of grafts.

Specific details will be presented, from treatment plan through case design in the laboratory until case transportation to the patient.

Curriculum Vitae:
Dr. Rojas is Adjunct Assistant Professor in Prosthodontics at the University of North Carolina. He maintains a practice limited to implant surgery and prosthodontics in Castellon, Spain.

He received his DDS from the University Javeriana in Colombia, his University Specialist Degrees in Oral Surgery, Oral Medicine and Implantology and his Doctorate in Buccal Surgery at the University Complutense in Madrid, Spain. Dr. Rojas received his post-graduate specialty degree along with a MS in Prosthodontics, and a Fellowship in Implantology from UNC.
Synopsis:
This presentation will provide an update on techniques for esthetic implant site development using rhPDGF-BB (recombinant human platelet-derived growth factor BB).

Cases will be presented demonstrating successful treatment of extraction socket defects and ridge augmentation procedures in preparation for implant placement combining rhPDGF-BB with bone replacement grafts (BRGs). The use of growth factor technology is reducing the need for autogenous bone grafting and allowing for less invasive procedures. Techniques utilizing combined hard and soft tissue grafting for periodontal and implant applications will also be presented. Applying tissue engineering to clinical decision-making achieves optimal biologic and esthetic results for challenging periodontal and implant cases. Histologic cores of treated sites will support the clinical results and demonstrate the osteogenic effect of rhPDGF.

The use of recombinantly engineered growth factors is a significant adjunct for predictable esthetic implant surgery.

Curriculum Vitae:
Dr. Marc Nevins is in the private practice of Periodontics and Implant Dentistry in Boston, Massachusetts. He is Assistant Clinical Professor of Periodontology at the Harvard School of Dental Medicine and is a Diplomate of the American Board of Periodontology. Dr. Nevins is an Associate Editor of The International Journal of Oral and Maxillofacial Implants.

Dr. Nevins graduated from Tufts University School of Dental Medicine and he received his Certificate for Graduate Training in Periodontology and a Master of Medical Sciences in Oral Biology at Harvard School of Dental Medicine. Dr. Nevins has research interests in clinical applications of tissue engineering for regenerative periodontics and implant Dentistry.

Synopsis:
This paper will attempt to define the differences between “complications” and “bad results” from the perspectives of the single provider, surgeon, restorative dentist/specialist and the patient. The different modes of failure in both the placement and restorative phases of a dental implant will be reviewed in relation to who or where the responsibility falls for corrective treatment to achieve the original treatment expectation. A scale will be presented to grade the severity of “bad results” based on additional adjunctive treatment requirements so that patients might better understand why supplemental procedures are required.

Curriculum Vitae:
Dr. McGarry received his D.D.S. degree in 1975 from UMKC School of Dentistry and his Certificate in Prosthodontics in 1978 from UCSF/VA San Francisco and became a Diplomate of the American Board of Prosthodontics in 1991. He is a Fellow of the American College of Prosthodontists and has served as President of the College. He was the founder of the Oklahoma Section of the ACP as well as founder of the Oklahoma Society of Prosthodontists. Memberships in additional organizations include the Academy of Osseointegration, Academy of Prosthodontics, Greater New York Academy of Prosthodontics and the American College of Dentists. As a lifetime member of the American Dental Association, Dr. McGarry has held numerous leadership positions at the state and national level of the ADA as well as being President of his local dental society. National committee assignments include the Task Force on the Future of Dentistry, Committee G and Snodent Diagnostic Coding committee. Dr. McGarry has held full and part time faculty appointments at both the predoctoral and postdoctoral levels at the University of Missouri-School of Dentistry, University of California-School of Dentistry, and the University of Oklahoma-School of Dentistry. Current academic positions include Clinical Associate Professor-University of Oklahoma School of Dentistry and Adjunct Assistant Professor-University of Illinois School of Dentistry. Major publications are the Parameters of Care, the Classification of Complete Edentulism, Partial Edentulism and the Completely Dentate Patient. He authored the first edition of the Private Practice Manual of the ACP. In addition to an active lecturing schedule, Dr. McGarry maintains a full-time private practice limited to Prosthodontics. Dr. McGarry directs the McGarry Implant Institute whose mission is providing direct patient care continuing education in implant dentistry.
Celebrate our Diamond Jubilees!
2011

Dr. Ariel Raigrodski
Program Committee Co-Chairs

Dr. John Townsend

THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS
SIXTIETH ANNUAL SCIENTIFIC SESSION
FRIDAY AND SATURDAY, FEBRUARY 25 & 26, 2011

A Global Comprehensive Approach
to Prosthodontics

Dr. Florian Beuer
Dr. John Burgess
Dr. Jacopo Castlenouvo
Dr. Stephen Chu
Dr. Inäki Gamborena
Dr. Galip Gűrel
Dr. Joseph Kan
Dr. Robert Kelly
Dr. Domenico Massironi
Dr. J. William Robbins
Dr. Richard Roblee
Dr. Jeffrey Rubenstein
Dr. Maurice Salama
Mr. Hiro Tokutomi
Dr. Marcos Vargas
Dr. Kengmun Wang