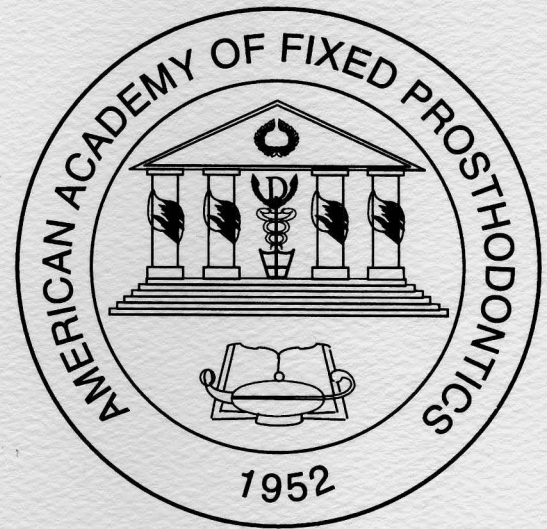


**THE AMERICAN ACADEMY
OF FIXED PROSTHODONTICS**



***Yesterday, Today,
Tomorrow and
Beyond***

57TH ANNUAL SCIENTIFIC SESSION

FRIDAY, FEBRUARY 22, 2008

SATURDAY, FEBRUARY 23, 2008

CHICAGO MARRIOTT DOWNTOWN

7TH FLOOR BALLROOMS I, II, III

Sincere Thanks and Special Recognition

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2009 MEETING DATE

February 27-28, 2009

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THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS

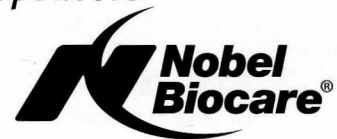
The mission of The American Academy of Fixed Prosthodontics is to foster excellence in the field of fixed prosthodontics, implants, and esthetic dentistry through mutual study, participation, and cooperation. The Academy shall:

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

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**EDITORIAL COUNCIL OF
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DENTISTRY**

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 in 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 19, 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 19, 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 21 different countries.

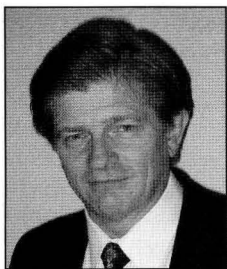
Members of today have a proud heritage in the Academy. We continue to dedicate ourselves to the pursuit of knowledge, truth, and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Authored by:
Dr. Jesse T. Bullard

PAST PRESIDENTS

* Claude R. Baker.....	1952-53	Robert D. Jeronimus.....	1981
* Robert P. Dressel.....	1954	* Lloyd L. Miller.....	1982
* E. David Shooshan.....	1955	* John H. Emmert.....	1983
* Earl Allen Nelson.....	1956	* Alfred C. Macaluso.....	1984
* L. Walter Brown, Jr.	1957	Ernest B. Minglehoff.....	1985
* George H. Moulton.....	1958	Herbert Ptack.....	1986
* Francis B. Vedder.....	1959	Ralph A. Yuodelis.....	1987
* Stanley D. Tylman.....	1960	William D. Culpepper.....	1988
* William H. Hagen.....	1961	Ronald G. Granger.....	1989
* Everett Carl Brooks.....	1962	Maurice H. Martel.....	1990
* Ernest B. Nuttall.....	1963	Ronald D. Woody.....	1991
* Fred Norman Bazola.....	1964	Albert J. Kazis.....	1992
* John D. Adams.....	1965	* William L. Nequette.....	1993
* Robert Conley Zeisz.....	1966	Dale L. Timberlake.....	1994
* Willis Edward Corry.....	1967	Jesse T. Bullard.....	1995
* Joseph E. Ewing.....	1968	Harvey L. Colman.....	1996
* E. Edward Kraus.....	1969	Gerald J. Ziebert.....	1997
Raymond M. Contino.....	1970	Richard D. Wilson.....	1998
* Douglas H. Yock.....	1971	Denny M. Smith.....	1999
* Philip Williams.....	1972	Davis A. Garlapo.....	2000
* Douglas M. Lyon.....	1973	Stephen D. Campbell.....	2001
Kenneth A. Morrison.....	1974	Richard R. Cavanaugh.....	2002
* Robert Sheldon Stein.....	1975	John T. Goodman.....	2003
* John M. Schlick.....	1976	William W. Nagy.....	2004
Charles L. Ziegler.....	1976	Peter S. Lund.....	2005
Charles J. King.....	1977	H. Philip Pierpont.....	2006
Samuel E. Guyer.....	1978	Jane D. Brewer.....	2007
* Roland W. Dykema.....	1979	Martin F. Land.....	2008
* Wade H. Hagerman, Jr.....	1980		

* Deceased



DR. MARTIN F. LAND

PRESIDENT, 2007-08

Welcome to the 57th Annual Scientific Session of The American Academy of Fixed Prosthodontics. The program allows us to focus on the most challenging discipline in dentistry. The Academy offers members and guests a multitude of opportunities for professional development at the cutting edge. I know you will enjoy visiting with your colleagues from all over the globe. Enjoy Chicago, enjoy the Academy, and enjoy your friends!

Co-chairs Ricardo Schwedhelm and Jerry Andres have put together two days filled with lectures by some of the foremost authorities in Fixed Prosthodontics and its related disciplines. All presentations are directly relevant to today's clinical practice while mindful of the future. I thank our program chairs for their dedication and effort to make this superb Scientific Session a reality.

Whether a practitioner or educator, a graduate student or researcher, we must make evidence based treatment decisions and focus on long term success. The Academy helps us strengthen our knowledge base while exposing us to new perspectives. When you return to your office, you will feel invigorated in your personal quest for excellence.

At the Annual Member and Guest Luncheon on Friday, newly elected Academy members are inducted and those who have contributed significantly to Fixed Prosthodontics are honored. Immediately following the Friday lectures all attendees are invited to the Annual Cocktail Party. Table clinicians present research projects and clinical techniques during a casual lunch session on Saturday. These are the future leaders of our discipline. Please participate, listen, and engage them in a dialogue. The commercial exhibits are open throughout the meeting, and a light lunch is served in the exhibit hall on Saturday.

The Academy is known for the collegial, professional, yet friendly and supportive atmosphere that characterizes our meeting. Whether a member of long standing or a first-time attendee, I know you will enjoy this Annual Session. Please return and be a regular part of the standard by which all other meetings are judged!

Again, welcome. We are so pleased you chose to join us!

Martin F. Land, President

OFFICERS AND DIRECTORS 2007-2008 AMERICAN ACADEMY OF FIXED PROSTHODONTICS

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Email: arod1@zoominternet.net

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Email: c@umaryland.edu

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Alfonso Monarres '09
Xavier Lepe '10
Sara Banuelos '10
Philip Rake '10

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Randy Vaughn '12
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Ricardo Schwedhelm, Program Co-Chair, Ex Officio

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Francis Tung '08
Felicia Wilson '09
R. Duane Douglas '10
Alvin Wee '10

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George Kay '09
E. Ricardo Schwedhelm '09
Steve Rosenstiel '11
Amir Khatami '12

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(B) Stan Vermilyia '09

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Carl Driscoll '08
Kenneth Malament '08
Kevin Plummer, Ex Officio

Committee B:

Stan Vermilyia, Chair '09
Carlo Ercoli '09
David Gratton '09
Kevin Plummer, Ex Officio

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AD HOC COMMITTEE FOR CORPORATE SUPPORT

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Steve Morgano
Jane Brewer
Martin Land

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MEETING DIRECTOR

Jack Lipkin

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John Agar, Alternate

SECRETARY FOR GUESTS

Richard Jordan

CHAPLAINS

Earl Stover

AD INTERIM COMMITTEE

Martin Land '08, Chair
John Agar '08
Russell Williamson '08

PREVIOUS TYLMAN AWARD RECIPIENTS*

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

**date listed is date awarded - award adjudicated in the preceding year*

Special thanks to our Corporate Contributors to the Tylman Research Program:
Editorial Council of the Journal of Prosthetic Dentistry, Astra Tech Dental, Bisco Dental, Brasseler, Den-Tal-Ez, G. C. America, Mosby Publishing, Nobel Biocare, Paragon-Viadent, Steri-oss, Straumann Dental, Teledyne-WaterPik, Ultradent, Ivoclar Vivadent, Waterpik Technologies, Whip Mix Corporation.

PREVIOUS MOULTON AWARD RECIPIENTS

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

PREVIOUS CLAUDE R. BAKER AWARD RECIPIENTS*

2002	Not Awarded
2003	Dr. Alvin Wee
2004	Dr. Ariel Raidgrodski
2005	Dr. Nyung G. Chang
2006	Dr. Patchnee Rungruanganunt
2007	Dr. Shigemi Ishikawa-Hagai
2008	not awarded

*Prior to 2005 the award was named the Undergraduate Teaching Award. The name was changed to the Claude R. Baker Teaching Award on August 21, 2004. The Undergraduate Teaching Award was established February 21, 2001.

ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING THURSDAY, FEBRUARY 21, 2008

5:30PM-7:00PM

Early Registration for Members
5th Floor Foyer

6:00PM

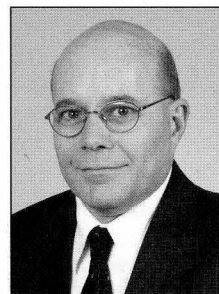
Members Cocktail Reception
5th Floor Foyer

7:00PM

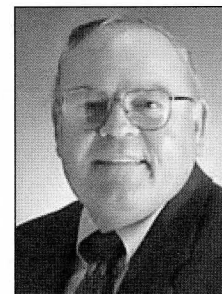
Members Annual Dinner
5th Floor Chicago Ballroom

8:00PM

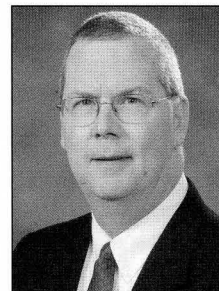
Members Annual Business Meeting
5th Floor Chicago Ballroom
Business Meeting
Town Hall Meeting



Dr. E. Ricardo Schwedhelm
Program Co-Chairman '08



Dr. Jerry Andres
Program Co-Chairman '08



Dr. Carl Driscoll
2009 Program Chairman



Dr. Kent Knoernschild
Ex Officio

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41, 42	ASTRA TECH
10	BIOMET 3i
19	BISCO DENTAL PRODUCTS
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8, 9	DENTSPLY TULSA DENTAL SPECIALTIES
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39, 40	WATER PIK TECHNOLOGIES
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Note: *Exhibits will be open continuously from 7:00AM to 5:00PM for your convenience.

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DENTISTRY

2008 TABLE CLINICS PROGRAM SATURDAY, FEBRUARY 23, 2008 FIFTH FLOOR BALLROOM, 12:00PM-1:45 PM EXHIBITS OPEN, FOOD AVAILABLE TABLE CLINIC CHAIRMAN: DR. FLAVIO RASETTO

1. "Effect of surface treatment of yttria- partially-stabilized zirconia on its flexure and bond Strength to dentin"
Presenter: Dr. Dana Oeblawi
Mentor: Dr. Edward Monac
Institution: University at Buffalo Dental School, Advanced Education Program in Prosthodontics
2. "Surgical and prosthodontic reconstruction of a gunshot injury of the mandible"
Presenter: Dr. Avinash Bidra
Mentor: Dr. John Agar
Institution: University of Connecticut School of Dental Medicine, Advanced Education Program in Prosthodontics
3. "An alternative method of shade selection for indirect dental restorations: A case report"
Presenters: Dr. Joe Meng, Dr. Elias Kantogiorgos
Mentor: Dr. William Nagy
Institution: Baylor College of Dentistry, Advanced Education Program in Prosthodontics
4. "Radiographic guide for a cone beam CT using an existing complete denture"
Presenters: Dr. Juan Ramirez Echave, Dr. P. Andrew Benson
Mentor: Dr. William Nagy
Institution: Baylor College of Dentistry, Advanced Education Program in Prosthodontics
5. "Complications with fixed complete dentures"
Presenters: Dr. Lucy Nagashima, Dr. Phu K. Tran
Mentor: Dr. William Nagy
Institution: Baylor College of Dentistry, Advanced Education Program in Prosthodontics
6. "Color stability of polished vs. glazed CAD/CAM produced restorations: A pilot study"
Presenter: Dr. Agnieszka Domagala
Mentor: Dr. Joseph Vitolo
Institution: Marquette University, Advanced Education in General Dentistry

2007 TABLE CLINICS PROGRAM CONTINUED

7. "Treatment of edentulous maxilla with severely compromised residual ridge morphology: Case presentation"
Presenter: Dr. Daniel Domagala
Mentor: Dr. Gerald Ziebert
Institution: Marquette University, Advanced Education Program in Prosthodontics
8. "An overdenture incorporating a cast framework for a patient with cerebral palsy"
Presenter: Dr. Babak Noohi
Mentor: Dr. Michael Singer and Dr. Carl Driscoll
Institution: University of Maryland Dental School, Advanced Education Program in Prosthodontics
9. "Implant restoration of anterior dentition: Combining strength and esthetics."
Presenter: Dr. Islam Khasawneh
Mentor: Dr. Flavio Rasetto and Dr. Carl Driscoll
Institution: University of Maryland Dental School, Advanced Education Program in Prosthodontics
10. "Fixed complete dentures failure solutions"
Presenters: Dr. Michael Ryan, Dr. Viviana Guzman
Mentor: Dr. William Nagy
Institution: Baylor College of Dentistry, Advanced Education Program in Prosthodontics
11. "Accuracy of six mechanical torque-limiting devices for dental implants"
Presenter: Dr. Mark Vallee
Mentor: Dr. Heather Conrad
Institution: University of Minnesota Dental School, Advanced Education Program in Prosthodontics.
12. "Microbiota of healthy implants in edentulous patients with overdentures"
Presenter: Dr. Sharon Negron Olivieri
Mentor: Dr. Robert Wright
Institution: Harvard School of Dental Medicine, Department of Prosthodontics
13. "Opaquer for fixed complete metal-resin implant supported dental prosthesis"
Presenters: Dr. Pakawat Chatriyanuyoke, DDS; Dr. Julie A. Holloway DDS, MS
Program Director: Dr. Robert Svensson
Institution: The Ohio State University

2007 TABLE CLINICS PROGRAM CONTINUED

14. "Systematic review of the clinical performance of CAD/CAM restorations"
Presenter: Dr. Julia-Gabriela C. Wittneben
Mentor: Dr. Robert Wright and Dr. German Galucci
Institution: Postdoctoral Resident, Department of Advanced Prosthodontics, Harvard School of Dental Medicine
15. "Comparison for tensile strength obtained by microwave post-ceramic soldering and conventional post-ceramic soldering"
Presenter: Dr. Husain Ghadhanfari
Program Director: Dr. Edward Monaco
Institution: State University of New York at Buffalo
16. "Evaluation of the captek/metal ceramic interface"
Presenter: Dr. Rupal Vasani
Program Director: Dr. Gerald Ziebert
Institution: Marquette University School of Dentistry
17. "Rehabilitation of a patient with hard/soft tissue deficiency in the esthetic zone"
Presenter: Dr. Abdulmohsin Alhashim
Program Director: Dr. Robert Flinton
Institution: University of Medicine and Dentistry of New Jersey
18. "A survey of program directors: trends, challenges, and mentoring in prosthodontics"
Presenter: Dr. Ryan Dunlop, Chief Dental Resident
Mentor: Dr. Robert Wright
Institution: Bronx Veterans Administration
19. "Influence of porcelain thickness on cyclic loading resistance of two different metal-ceramic systems"
Presenter: Dr. Alessandro Giminiani
Mentor: Dr. Carlo Ercoli
Institution: AEGD Eastman Dental University of Rochester
20. "Self etching, self adhesive resin cements: Dimensional stability after 7 days water storage"
Presenter: Dr. Vrochari Areti Dimitra
Mentor: Dr. Elmar Hellwig
Institution: University Medical Center Freiburg, Department of Operative Dentistry and Periodontology

**THE AMERICAN ACADEMY
OF FIXED PROSTHODONTICS
57TH ANNUAL SCIENTIFIC SESSION**

Yesterday, Today, Tomorrow and Beyond

FRIDAY, FEBRUARY 22, 2008

- 7:00A.M. Registration, 7th Floor Foyer
Continental Breakfast in Exhibit Hall, Salon III
- 8:00A.M. **WELCOME**
Dr. Martin Land, President
- 8:10A.M. **INTRODUCTORY COMMENTS**
Dr. Jerry Andres, Program Co-Chairman
Dr. Ricardo Schwedhelm, Program Co-Chairman
- 8:15 - 9:15A.M. Dr. David Garber: *Gingival Reconstruction on the Implant Restoration*
- 9:15 - 10:00A.M. Dr. Asad Mora: *High Definition 3D Video: The Dawn of a New Era in Clinical Dentistry*
- 10:00 - 10:30A.M. **Break in the Exhibits Hall***
(All Members, Guests and Students Invited)
- 10:30 - 11:15A.M. Dr. Eric Herbranson: *The Future of 3D Imaging in Prosthetic Education*
- 11:15 - 12:00P.M. Dr. John West: *Endodontic Predictability "Restore or Remove: How Do I Choose?"*
- 12:00 - 12:10P.M. Dr. Keith L. Guzaitis
First Place Tylman Award Recipient
Effect of Repeated Screw Joint Closing and Opening Cycles on Implant Prosthetic Screw Reverse Torque and Implant and Screw Thread Morphology
- 12:10 - 1:30P.M. **ANNUAL MEMBER - GUEST LUNCHEON**
(5th Floor Ballroom, All Members, Guests and Students Invited)
- 1:40 - 2:25P.M. Dr. Adriana McGregor: *Esthetic Periodontal and Implant Microsurgery: Expanding the Perio-Restorative Synergy*
- 2:25 - 3:15P.M. Dr. Mauro Fradeani: *Prosthetic Optimizing Of Anterior Esthetics*
- 3:15 - 3:45P.M. **Break In Exhibits Hall***
(All Members, Guests & Students Invited)
- 3:45 - 4:30P.M. Dr. John Wataha: *Alloys Versus Ceramics: A Challenging Dental Dichotomy*
- 4:30 - 5:15P.M. Dr. Ricardo Mitrani: *Dentogingival Aesthetics: Inter-disciplinary Approach to Treatment Planning*
- 5:15P.M. **ANNUAL MEMBER-GUEST COCKTAIL RECEPTION*, Salon III**

Continental breakfasts and refreshments during Scientific Session breaks will be served in the 7th Floor Exhibit Hall

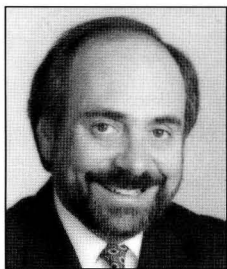
SATURDAY, FEBRUARY 23, 2008

- 7:00A.M. Registration, 7th Floor Foyer
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 - 8:45A.M. Dr. John Kois: *Functional Occlusion: The Three P's*
- 8:45 - 9:30A.M. Dr. Marcos Vargas: *Predictable Life Like Anterior Esthetic Restorations in Dental Practice*
- 9:30 - 10:15A.M. Dr. Ned Van Roekel: *Prosthetic Treatment Outcomes*
- 10:15 - 10:45A.M. **Break in the Exhibits Hall***
(All Members, Guests and Students Invited)
- 10:45 - 11:30A.M. Dr. John Sorensen: *Ceramics and CAD/CAM: A Bridge to the Future*
- 11:30 - 12:00P.M. Dr. Joel Epstein: *Diagnosis of Malignant and Non-Malignant Oral Lesions*
- 12:15 - 1:45P.M. **Annual Table Clinic Session and 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 - 2:45P.M. Dr. Thomas Abrahamsen: *Etiology and Diagnosis of the Non-Carious Loss of Tooth Structure*
- 2:45 - 3:30P.M. Mr. Aki Yoshida, RDT: *Surface Texture: A Systematic Approach for Accurate and Effective Communication*
- 3:30 - 4:20P.M. Dr. Bart Johnson: *Tips, Tricks, and a Totally Geeky Review of Local Anesthesia*
- 4:20P.M. **Closing Remarks**
President Martin Land
Program Chairmen: Dr. Jerry Andres,
Dr. Ricardo Schwedhelm

Continental breakfasts and refreshments during Scientific Session breaks will be served in the 7th Floor Exhibit Hall

For More Information about the Academy visit the AAFP Web site:
www.fixedprosthodontics.org

Note: *Exhibits will be open continuously from 7:00AM to 5:00PM for your convenience.



David A. Garber, DMD

Prosthetic Gingival Reconstruction on the
Implant Restoration

Synopsis: Time is a limited resource for busy clinicians. This presentation will offer insights into the way esthetics-driven dentistry over implants has evolved, and how, with implants, it is often essential to combine "pink" and "white" esthetics to achieve the ideal result. This three-dimensional philosophy involving gingival-colored restoratives incorporates new protocols and treatment planning for optimal implant cosmetics in the esthetic zone, particularly in cases of ridge deficiency. Pre-emptive CAD/CAM planning of soft and hard tissue grafts, and newly defined implant placement, and restorative design is now specifically differentiated for these prosthetic gingival 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 Isador Hirschfeld Award for Clinical Excellence," The Greater New York Academy of Prosthodontics Distinguished Lecturer Award." and "The David Serson Medal of Research."

He is 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 a 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 Louisiana State University 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 Laminate Veneers, Bleaching Teeth, Porcelain and Composite Inlays and Onlays, and Complete Dental Bleaching and has published in excess of 60 articles and textbooks chapters.



Assad Mora, DDS MSD FACP

High Definition 3D Video: The Dawn of a New Era
in Clinical Dentistry

Synopsis: Enhancing precision of dental procedures is a perpetual goal in the pursuit of improving dental care and treatment outcomes.

The operating microscope opened the eyes of dentists to new realities in dentistry. However, it did not change the reality of posture-dependent viewing. The postural limits of the operator's neck and back control the microscope's spatial working position and restrict the viewing angle. Moreover, the operator may assume viewing angles that are stressful and possibly harmful to the musculoskeletal structures during normal operations.

This lecture will showcase the next generation magnification system designed without oculars for posture independent viewing. It allows the operator to view the operating field on a screen independent of postural restrictions. It expands the positional range of the microscope independently from any postural position to provide the operator with a comfortable operating posture.

Real-time 1920x1080 stereoscopic 3D video resolution, foot controlled zoom (20x) and focus and an assistant station with correct 3D perspective are some of the standard features in the system. They provide the operator and the assistant with an accurate sense of depth during various clinical dental procedures while bringing comfort and productivity to increased precision under expanding microscope magnification and visual access.

The potential impact of 3D video as a teaching model in clinical prosthodontics will also be discussed.

Curriculum Vitae: Dr. Assad Mora is a Board Certified Prosthodontist and a Fellow in both the American College and the International College of Prosthodontists. He is recognized as a pioneer in the field of microdentistry and serves as the 2007 President of the Academy of Microscope Enhanced Dentistry. Dr. Mora is a 1979 graduate of the Indiana University School of Dentistry and has held teaching positions there as well as at the UCSF School of Dentistry and the UOP School of Dentistry. His current interest is in the development of an innovative 3D-video microscope. He has published and lectured nationally and internationally on restorative microdentistry and 3D video microscope systems for the past 16 years. He has maintained a private practice with his wife, Kathy, an endodontist, in Santa Barbara, California.

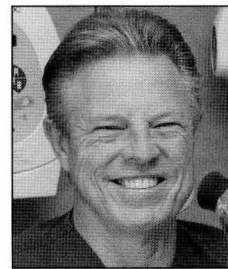


Eric J. Herbranson, DDS, MS

The Future of 3D Imaging in Prosthetic Education

Synopsis: This presentation will examine the latest technology in prosthetic education, including a virtual occlusal adjustment, high resolution demonstration of the movements of the mandible with animation of the TMJ and the muscles of mastication during function. This interactive presentation will use 3D models presented in stereo. Also demonstrated will be a 3D atlas of the anatomy of the head and neck.

Curriculum Vitae: Dr. Herbranson received a BS in Physics in 1964 from La Sierra College, Riverside, California. He received his DDS degree in 1970 and an MS (in endodontics) in 1973 both from Loma Linda University. He is an Associate Lecturer, University of the Pacific School of Dentistry. Dr. Herbranson is Co-Founder of Brown and Herbranson Imaging. He has presented numerous lectures nationally and internationally since 1985 on endodontics, microscope photography, computer presentation technology, advanced imaging and visualization.



John West

ENDODONTIC PREDICTABILITY

"Restore or Remove: How Do I Choose?"

Synopsis: Next Monday you examine a new patient with a high dental IQ and appreciation for esthetic dentistry. Radiographs provide evidence of a central incisor with an endodontic lesion that has not healed. You know the high predictability of dental implants and also have heard about new endodontic technologies to predictably save endodontic teeth. What are the two key questions to ask and answer in order to determine whether the tooth should be restored or removed and replaced?

Two learning objectives:

1. What are the guidelines to choose whether to restore or remove the diseased endodontic tooth?
2. If restoration is chosen, how and when do you apply new endodontic technologies for success?

Curriculum Vitae: Dr. John West is founder and director of the CENTER FOR ENDODONTICS™. "Pioneering New Possibilities in Endodontics" in Tacoma, Washington. He currently serves as a trustee of the American Association of Endodontists Foundation, has served on the Educational Affairs Committee and Committee on Dental Care and Clinical Practice for the AAE, and is an international lecturer and teacher. Dr. West is a member of the American Academy of Esthetic Dentistry and the International College of Dentists. Dr. West is an editorial board member of The Journal of Esthetic and Restorative Dentistry and scientific editor for Boston University's Communiqué. He is Affiliate Associate Professor at the University of Washington Graduate Endodontic Program and Clinical Instructor at Boston University, Henry M. Goldman School of Dental Medicine, where he received his MSD in endodontics as well as earning the 1995 Distinguished Alumni Award. He is senior author of "Cleaning and Shaping the Root Canal System" in Cohen and Burns' 1994 and 1998 Pathways of the Pulp, is a contributing author to the 1995 edition of Goldstein and Garber's Complete Dental Bleaching, and co-authored "Obturation of the Radicular Space" with Dr. John Ingle, in Ingle's 1994 and 2002 editions of Endodontics. Dr. West has presented over 400 days of continuing endodontic education in North America and Europe. Dr. West continues to be recognized as one of the premier educators in clinical and comprehensive endodontics in the world today. Dr. West maintains a private practice in Tacoma, Washington.



Dr. Keith L. Guzaitis

Effect of Repeated Screw Joint Closing and Opening Cycles on Implant Prosthetic Screw Reverse Torque and Implant and Screw Thread Morphology

FIRST PLACE TYLMAN AWARD WINNER

Synopsis: The number of implant prosthetic screw insertion cycles that significantly reduce screw reverse torque with screw joint closing is unknown. Whether a new screw can provide predictable benefit in increasing reverse torque after multiple screw insertion cycles is also unknown.

The purpose of this study was (1) to compare the effect of multiple implant prosthetic screw insertion and removal cycles on reverse torque, (2) to determine if the use of a new screw after multiple screw insertion cycles affected reverse torque, and (3) to assess trends in implant and prosthetic screw thread surface morphology after multiple screw insertion cycles using scanning electron microscopy.

Curriculum Vitae: Dr. Keith Guzaitis received his DDS in 2004 and his specialty certificate in Prosthodontics in 2007 from the University of Illinois at Chicago. Dr. Guzaitis is a member of various professional organizations including the American College of Prosthodontists, American Dental Association and the Chicago Dental Society. Dr. Guzaitis practices in Elmhurst, IL and is an Adjunct Clinical Assistant Professor in the Department of Restorative Dentistry at the University of Illinois at Chicago.

ANNUAL ACADEMY LUNCHEON

2007 STANLEY D. TYLMAN RESEARCH AWARDS

Dr. Steven Morgano, Chair, Tylman Research Committee

FIRST PLACE AWARD

Dr. Keith L. Guzaitis

University of Illinois College of Dentistry

Effect of Repeated Screw Joint Closing and Opening Cycles on Implant Prosthetic Screw Reverse Torque and Implant and Screw Morphology

Research Supervisor: Dr. Kent Knoenschild

Program Director: Dr. Kent Knoenschild

SECOND PLACE AWARD

Dr. Zhaoling Hu

UMDNJ-New Jersey Dental School

Effect of gingival displacement procedures on inducing tumor necrosis factor-alpha and its receptor in rat gingival tissue

Research Supervisor: Dr. Saul Weiner

Program Director: Dr. Robert Flinton

THIRD PLACE AWARD

not awarded in 2008

GEORGE H. MOULTON AWARD

"OUTSTANDING ACHIEVEMENT IN THE ART AND SCIENCE OF FIXED PROSTHODONTICS"

Dr. Steve Rosenstiel, Chair, George H. Moulton Award Committee

Dr. Don Garver

2008 Recipient

PRESENTATION OF NEW AAFP MEMBERS

Dr. Martin F. Land, President

**We wish to acknowledge the generous support of the following corporate sponsors for the Tylman Award: The Editorial Council of The Journal of Prosthetic Dentistry, Nobel Biocare, Waterpik, Brasseler, Straumann, and Astra Tech Dental.*



Adriana McGregor, DDS

Esthetic Periodontal and Implant Microsurgery:
Expanding the Perio-restorative Synergy

Synopsis: Solving the esthetic challenges we encounter daily during restorative treatment requires a demanding level of precision. Esthetic Periodontal and Implant Microsurgery have played increasingly prominent roles in achieving treatment outcomes never thought possible with conventional surgical techniques. Examples of innovative techniques for soft tissue implant rescue, immediate implant placement and provisionalization and minimally invasive sinus elevation techniques are presented to demonstrate how a microsurgical approach to addressing the periodontal aspects of treatment can enhance the restorative result to new levels of excellence.

Curriculum Vitae: Dr. McGregor holds dual degrees in periodontology, the most recent one from the University of Southern California where she served on the faculty as a Clinical Instructor from 1990 to 1994. Her interest in microsurgery began in 1994, at the dawn of the subspecialty and during her training under the supervision of Dr. Dennis Shanelec at the Microsurgery Training Institute, where she is now the Co-Instructor. She lectures internationally on esthetic periodontal and implant microsurgery. She is the 2007-2008 President-elect of the Academy of Microsurgery Enhanced Dentistry. She maintains a private practice in Westlake Village, California, devoted exclusively to esthetic periodontal and implant microsurgery.



Mauro Fradeani, MD DDS

Prosthetic Optimizing of Anterior Esthetics

Synopsis: Proper esthetic and functional analysis, correct data transmission to the laboratory regarding the occlusal plane orientation and inclination, as well as the definition of an appropriate incisal edge position, allow dentists to achieve predictable successful results in prosthetic rehabilitation. A close cooperation between surgeons and prosthodontists is highly recommended, especially in the case of patients with a high smile line who have to be treated either on natural dentition or with implants in the anterior area.

Material selection with dental ceramist plays a fundamental role in management of complex rehabilitation cases. This presentation will illustrate how the use of metal-free ceramic materials in the fabrication of bridges, crowns and veneers fabrication allow practitioners to achieve an excellent esthetic outcome

Curriculum Vitae: After graduating in medicine and surgery in 1979, Dr. Fradeani completed a specialization in dentistry at the University of Ancona in 1983. He is Past President of EAED-European Academy of Esthetic Dentistry (biennial 2003/2004) and Past President of AIOP-Accademia Italiana di Odontoiatria Protesica (biennial 1999-2000) and Visiting Associate Professor in Prosthetics at Louisiana State University (USA). He is Associate Editor of the European Journal of Esthetic Dentistry (EJED), member of the Editorial Board of Practical Periodontics & Esthetic Dentistry (PPAD) and of the Journal of Esthetic and Restorative Dentistry (JERD). Dr. Fradeani is an Active Member of The American Academy of Esthetic Dentistry. He maintains membership in The American Academy of Fixed Prosthodontics. He is the author of the book "Esthetic Rehabilitation in Fixed Prosthodontics" Vol 1 - Esthetic Analysis, edited by Quintessence International and translated in 7 languages. He runs a private practice limited to prosthetics.



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John C. Wataha, BS, DMD, PhD

Alloys versus Ceramics: a Challenging Dental Dichotomy

Synopsis: Alloys remain a critical component of most long term dental prostheses. However the success of alloy-containing restorations depends on the appropriate use of increasingly complex, diverse, and innovative alloys. Furthermore, the rapid evolution of ceramic materials has made choosing between alloy-ceramic and all-ceramic restorations an increasingly difficult challenge in treatment planning. This presentation will give an overview of nature of dental alloys and their important physical and biological properties. We will discuss how the practitioner can appropriately and rationally select and balance alloys and ceramics to optimize prosthodontic restorations.

Curriculum Vitae: John C. Wataha, DMD, PhD is Professor of Dentistry in the Restorative Dentistry Department at the University of Washington School of Dentistry. At the University of Washington, he teaches in courses in restorative dentistry, conducts research, and serves as department chairperson. He has published over 130 abstracts, 120 articles in peer-reviewed journals, and 27 book chapters in the field's prominent biomaterials textbooks. He serves as a reviewer for 18 scientific journals, is on the editorial board of 4, and has given over 100 invited presentations on biocompatibility and biomaterials world-wide. His research spans an interface between dental materials science, basic cellular biology, and clinical practice, and he is involved in collaborative interdisciplinary projects that investigate the cellular and molecular interactions between oral tissues and materials--a field known as biocompatibility. Dr. Wataha maintains collaborative research relationships with investigators at the Medical College of Georgia, Baylor College of Dentistry, Savannah River National Laboratory, University of Geneva, and Hokkaido University.



Ricardo Mitrani, DDS, MSD

Dentogingival Aesthetics...Interdisciplinary Approach to Treatment Planning

Synopsis: One of the biggest challenges in contemporary dentistry is closing the gap between the different dental specialties. This challenge is magnified by dental patients' desires for esthetically driven treatment options, including soft tissue grafting. It could be said that a significant fraction of what contemporary interdisciplinary dynamics deals with, are those cases where treatment involves either adding lost tissue (hard and/or soft) or removing redundant tissue for a dentogingival correction.

In order to obtain consistent and predictable results, surgeons, restoring dentists, orthodontists and dental technicians should work as a team.

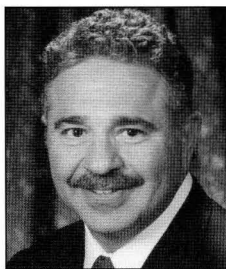
This presentation will take a close look at communication tools between specialists when considering conventional restorative dentistry and implant supported restorations.

Curriculum Vitae: Dr. Mitrani received his DDS degree from the UNITEC University in Mexico City; he then obtained a certificate in prosthodontics as well as a Master of Science in Dentistry from the University of Washington, where he served as the Graduate Prosthodontics program's assistant director during the year 2001.

He currently holds academic affiliations at the University of Washington, University of Valencia (Spain) and the Universidad Nacional Autonoma de Mexico.

He is a member of several organizations including the International College of Dentists, American College of Prosthodontics and the American Academy of Fixed Prosthodontics. He also serves as a member of the editorial board of Practical Procedures and Aesthetic Dentistry in the implantology section, as well as the Journal of Esthetic and Restorative Dentistry.

Dr. Mitrani has authored numerous scientific publications in the fields of implant prosthodontics and aesthetic dentistry, has lectured nationally and internationally, maintaining a private practice limited to prosthodontics & implants in Mexico City.



John C. Kois

Functional Occlusion: The Three P's

Synopsis: Our knowledge about occlusion has been based on gnathologic principles. These concepts are the basis of a mechanical system with focus on posterior determinants and mutual protection. If it is that simple, why is there so much controversy? Can we predict when functional problems develop or can we always create a therapeutic occlusion.

This program will create a focus on three key components in understanding the biology of the system. In addition, it will develop more clarity in understanding the problems and concerns encountered when creating a therapeutic occlusion in the human system.

Course outline:

- | | | |
|----|-----------|-----------------------------------|
| P1 | Position | (Orthopedic Position of Mandible) |
| | TMJ | |
| P2 | Place | (Home) |
| | Occlusion | |
| P3 | Pathway | (Driveway) |
| | Guidance | |

Upon completion of this presentation, participants should be able to understand:

1. Utilizing rules or formulas to restore everyone is not possible.
2. Clinical protocols are often inadequate to diagnose the complexity of the masticatory system.
3. Mechanical protocols have biologic consequences.

Curriculum Vitae: Dr. Kois received his D.M.D. from the University of Pennsylvania, School of Dental Medicine and Certificate in Periodontal Prosthodontics with a M.S.D. degree from the University of Washington, School of Dentistry. He maintains private practices limited to Prosthodontics in Tacoma and Seattle and is an Affiliate Professor in the Graduate Restorative Program at the University of Washington. Dr. Kois continues to lecture nationally and internationally, is a reviewer for the International Journal of Prosthodontics and is a member of the Editorial Board of the Compendium of Continuing Education in Dentistry. Dr. Kois is the recipient of the 2002 Saul Schluger Memorial Award for Clinical Excellence in Diagnosis and Treatment Planning. His memberships in professional organizations include the American Academy of Restorative Dentistry and the American Academy of Esthetic Dentistry. In addition, he continues to work with restorative dentists at the Kois Center, a didactic and clinical teaching program.

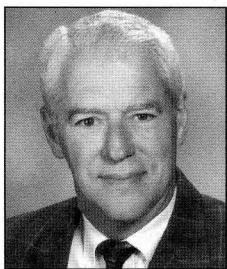


Marcos A. Vargas, DDS, MS

Predictable Lifelike Anterior Esthetic Restorations in Daily Practice.

Synopsis: Patient demands for esthetic and conservative dentistry have emphasized the need to produce life-like anterior restorations. Resin composite materials with expanded shades, various opacities and improved handling have the potential to produce functional, long lasting, personally rewarding, cost effective, predictable and highly esthetic direct anterior restorations in daily practice. Knowledge and understanding of the optical properties of tooth structure and restorative materials, along with appropriate techniques will permit practitioners to fabricate imperceptible direct anterior esthetic restorations.

Curriculum Vitae: Marcos A. Vargas received his DDS in Lima, Peru. He attended a two year AEGD program at Eastman Dental Center in Rochester, New York and received a Certificate in Operative Dentistry and Master's of Science from the University of Iowa where he is currently an Associate Professor in the Department of Family Dentistry. Dr. Vargas has published extensively in dental adhesion and resin composites. He is actively engaged in continuing education both nationally and internationally, having done many hands-on seminars with resin composites.



Ned Van Roekel, DDS, MSD

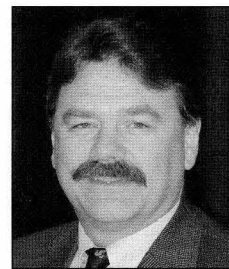
Prosthodontic Treatment Outcomes

Synopsis: Accurate information regarding outcomes for the various prosthetic modalities in use today would be invaluable when developing treatment plans for patients. The importance of providing evidence based dental therapy has been emphasized in recent years. This presentation will discuss data obtained in a systematic review of the literature relative to complete dentures, fixed and removable partial dentures, and cast metal or ceramic restorations.

After this presentation, the participant will be able to:

1. describe the efficacy of various prosthetic modalities currently utilized in clinical practice,
2. describe the appropriate treatment for a specific clinical situation using information derived from clinical research and
3. describe factors affecting the prognosis of various types of prostheses and restorations.

Curriculum Vitae: Dr. Van Roekel is currently in private practice in Monterrey, California. He is a Diplomate of the American Board of Prosthodontics, a past president of the American College of Prosthodontists, and the American Academy of Restorative Dentistry. Dr. Van Roekel is a reviewer for the International Journal of Oral and Maxillofacial Implants.

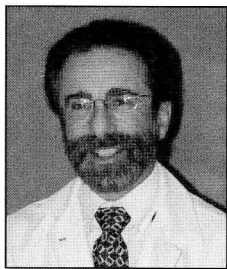


John A. Sorensen, DMD, PhD, FACP

Ceramics and CAD/CAM: A Bridge to the Future

Synopsis: With the development of ever more sophisticated CAD/CAM systems and high strength ceramics, dentistry finally has all-ceramic systems that rival metal-ceramics. Dr. Sorensen will document the status of ceramic materials from alumina to zirconia throughout clinical studies and differentiate between systems for use as crowns, bridges and implant abutments. Esthetic comparison, ceramic system selection criteria and clinical indications will be demonstrated.

Curriculum Vitae: Dr. Sorensen is founder and director of Pacific Dental Institute in Portland, Oregon. At PDI he is engaged in a practice limited to prosthodontics, conducting seven clinical trials on all-ceramic systems, materials testing, and extensive hands-on and patient treatment CD programs. Previously he was the Oregon Dental Associate Centennial Professor of Restorative Dentistry and Director of the Dental Research Center at Oregon Health Sciences University.



Joel B. Epstein

Diagnosis of Malignant and Non-malignant Lesions

Synopsis: Early detection of mucosal abnormalities will lead to early diagnosis and intervention. In their practices prosthodontists may see patients with risk factors for oral cancer. This presentation will review current developments in the early detection of premalignant and malignant oral lesions.

Curriculum Vitae: Dr. Epstein graduated from dentistry from the University of Saskatchewan in Saskatoon, Saskatchewan, Canada, and received a certificate in Oral Medicine and Master's of Science degree in dentistry from the University of Washington in Seattle, Washington, USA. He is a fellow of the College of Dental Surgeons of Canada in Oral Medicine/Oral Pathology and a Diplomate of the American Board of Oral Medicine. He is currently Professor and Head of the Department of Oral Medicine and Diagnostic Sciences, and Director of the Interdisciplinary Program in Oral Cancer Biology, Prevention and Treatment at the Chicago Cancer Center, College of Medicine, and is an adjunct faculty member in the Department of Otolaryngology and Head and Neck Surgery of the University of Illinois at Chicago. Dr. Epstein has published in the areas of oncology, infectious disease, facial pain and general areas of oral medicine, with more than four hundred and fifty contributions to the literature.

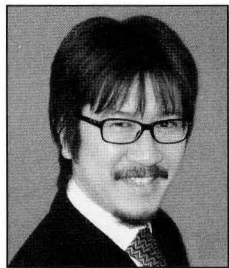


Thomas C. Abrahamsen

Etiology and Diagnosis of the
Non-carious Loss of Tooth Structure

Synopsis: Historically, the dental literature has revealed various causes of the wear of teeth, yet it has failed to provide a conclusive method of differentiation and diagnosis of the condition. Dr. Abrahamsen's 34 year clinical study of the worn dentition provides a diagnostic system of pathognomonic pattern of abrasion and erosion that determines the exact etiology from the recognition of these patterns on diagnostic casts, which are based on the position and quantity of the loss. The true etiology of the abfraction lesion will also be presented.

Curriculum Vitae: Dr. Abrahamsen has practiced dentistry for the past 37 years in the military, private practice, and academia. He earned his DDS degree at the U. of Illinois and his MS degree at the U. of Texas. He is a Diplomate of the American Board of Prosthodontics, a Fellow in the American College of Prosthodontists, a member of the American Academy of Restorative Dentistry, and a retired Colonel in the USAF.



Aki Yoshida, RDT

Surface Texture: A Systematic Approach for Accurate and Effective Communication.

Synopsis: Form and color are key factor in esthetic restoration. However, mere shade matching is not enough. Surface texture is responsible for reflecting or absorbing the light and consequently the esthetic result. This lecture will discuss the intricate component of surface texture of natural teeth and presents an easy-to-use method to improve the communication between clinician and dental technician to obtain predictable esthetic results.

Curriculum Vitae: Aki Yoshida started his career at Tanaka Dental Clinic in Tokyo, Japan after graduating from the Dental Technician School of Nihon University in 1983. He came to the United States to accept a position at Gnathos Dental Laboratory, which the renowned prosthodontist, Lloyd L. Miller, D.M.D in 1991. In addition he serves as technical instructor at Tufts University, Dept. of Post-Graduate Prosthodontics in Boston, an adjunct faculty member of UCLA center for Esthetic Dental Design and instructor for Noritake Dental Supply, an Associate Member of the American Academy of Esthetic Dentistry.



Bart Johnson, DDS MS

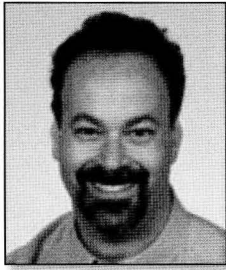
Tips, Tricks, and a Totally Geeky Review of Local Anesthesia

Synopsis: We all know how to administer effective local anesthesia. In this lecture we will have fun reviewing:

- selection of local anesthetics-notes on Articaine and the gossip vs. data regarding its use
- needle size, tissue density and trajectory
- using radiography to predict local anesthetic failures
- anesthetic injection sites beyond infiltrations and mandibular blocks
- dealing with the "I can't get numb" and "I'm allergic to 'caines'" patients.

Come enjoy a quick review of how to improve at being pokey and numb!

Curriculum Vitae: Bart Johnson is the Director of the UW GPR program in Seattle, Washington. He teaches internal medicine, sedation, medical emergencies, physical diagnosis, hospital dentistry, pharmacology, BLS and ACLS. He is a Diplomate of the American Board of Special Care Dentistry and treats medically compromised patients of all varieties. His research involves the molecular biology of retinoids implicated in the oncogenesis of breast, oral and hematopoietic cancers.



Keith Phillips, BS, DMD, MSD

Prosthetic Space Considerations:
Its Impact on Surgical Placement

Synopsis: Implant dentistry has become an everyday procedure for tooth replacement due to predictability and conservation of tooth structure. However, implant prosthesis many times can be compromised by inadequate space due to malpositioned dental implants in relation to the proposed prosthetic replacement. Through the use of case presentations, prosthetic and esthetic guidelines will be developed to aid in determining the necessary vertical space parameters required for proper surgical implant placement. This proper surgical technique will help facilitate the fabrication of different types of implant retained and supported prosthesis.

Course Objectives:

Upon completion of this presentation, the participants should be able to:

- understand space relationships of various prosthetic designs,
- learn biomechanical treatment planning concepts, understand surgical-prosthetic interrelationships and
- tie these together to develop individualized diagnoses and treatment plans.

Curriculum Vitae: Dr. Keith M. Phillips received his DMD from the University of Pennsylvania School of Dental Medicine and a certificate in Prosthodontics with an MSD from the University of Washington. After completion of his postdoctoral training Dr. Phillips became Assistant Professor of Restorative Dentistry at the University of Pennsylvania School of Dental Medicine as well as Chief of Restorative Dentistry at the University of Pennsylvania Medical center. Dr. Phillip returned to the University of Washington to become Director of the Graduate program in Prosthodontics at the University of Washington from 1996 to 2004. He is presently the Associate Director of Graduate Prosthodontics at the University of Washington and maintains a private practice in Tacoma, Washington, with major areas of focus on periodontal prosthodontics and implant assisted oral reconstruction. He is a Fellow of the American College of Prosthodontists and a Diplomate of the American Board of Prosthodontics Lloyd L. Miller, D.M.D in 1991. In addition he serves as technical instructor at Tufts University, Dept. of Post-Graduate Prosthodontics in Boston, an adjunct faculty member of UCLA center for Esthetic Dental Design and instructor for Noritake Dental Supply, an Associate Member of the American Academy of Esthetic Dentistry.