EXPLORING NEW HEIGHTS: Collaboration and Connection

International Anaplastology Association 28TH ANNUAL EDUCATIONAL CONFERENCE Denver, Colorado, USA





Welcome

Dear Colleagues and Friends,

As President of the International Anaplastology Association, I am pleased to welcome you to the 28th Annual Educational Conference in the capital city of Denver, Colorado. Our Conference Planning Committee has chosen the theme of "Exploring New Heights" in the Mile High City with an emphasis on collaborations and connections.

I first started making silicone prosthetics over 25 years ago in the Hollywood film industry. At that time, our materials were difficult to come by and our techniques with silicones were crude at best. I witnessed not only the advancements of materials but also the introduction and rapid advancements of digital technology in film production. As I eventually transitioned from the film industry to the field of anaplastology, I attended the American Anaplastology Association's (now IAA) annual meetings every year. Over the years, I watched the parallels between the advancements in the film industry to what was taking place in the field of Anaplastology. Each year new materials, techniques and digital technologies are showcased, and this year is no exception. We will continue to explore these new developments and with our annual conferences we will continue to learn, share, inspire and connect!

It has been a privilege to serve as President of the IAA for the past year. I would like to thank my Board for their commitment of time and energy to the association. I have served on the Board for seven years now and each year I see the drive and energy each person contributes to help to better our association. I welcome all of you to reach out and help your association to continue to grow and be the global leader in our unique and important allied health field.

As we continue to connect around the globe with new friends and colleagues we hope you will join us again next year for the 29th Annual IAA Conference as we travel to South America for the first time to beautiful Rio de Janeiro, Brazil.

Jay McClennen, AOCA, CCA, CFm IAA President 2013-2014



Dear Colleagues,

In addition to a big welcome to Denver, I would like to say thank you for attending our meeting. I mean "our" meeting inclusively in spirit of collaboration and connection, which inspired the meeting planning committee. If this is your first time at an IAA meeting, we hope that you feel welcome and included and find your own connections here and in the future with our group. If you are a long time member and attendee, may you find a few new techniques or friends and reconnect with longtime colleagues. The program is designed with collaboration and connection in mind.

The Planning Committee has a wonderful range of topics in store for you. I would like to offer a special thanks to my meeting planning team. I could not imagine planning a meeting without such a wonderful and talented group of individuals by my side. In my theme of thanks, I am particularly grateful to our Meeting Planner, Christie Garrett and Executive Director, Rachel Brooke. As the IAA's new management team, their support this year has been a welcome and valuable asset to our association.

We have a wonderful line-up of invited guest speakers and Anaplastologist colleagues that will share with us the their experiences and expertise. The planning committee would like to thank them for sharing their talents with us. We are looking forward to every minute of it. Welcome.

With warmest wishes,

amanda Ubehr

While I know it's tempting to stay inside and take in all the wonderful speakers and events (because we DO have wonderful speakers and events!), during the breaks, early mornings, and evenings, please take advantage of our wonderful weather and enjoy our blue skies, sunrises, sunsets, and gorgeous fluffy clouds! Go outside and look up! It's hard to get lost here: the mountains are to the west! Also, for those of you suffering from the altitude (we are 1 mile high), drink LOTS of water! And the saying is true: if you don't like the weather, wait 10 minutes!

So... learn and enjoy!

Warmly,

Barbara Spohn-Lillo, AS, CCA-Ocularist, CF-m IAA Denver 2014 Site Chair

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Amanda Y. Behr, MA, CMI, FAMI Conference Chair / Vice-President

Welcome to Colorado!

Garbara Spohn - Kills



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Gold Sponsors

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3D Systems-Medical Modeling is a leading provider of personalized surgical treatments and patient specific medical devices, including virtual surgical planning and clinical transfer tools, using 3D modeling and printing that is rapidly changing how reconstructive surgery is done today.

Cochlear

Cochlear[™] is the industry leader in implantable hearing solutions and facial prosthetic implant systems. The Cochlear Vistafix[®] System has been specifically designed to improve the outcome of facial prosthetics, enabling patients to return to an active lifestyle, with renewed confidence and improved quality of life. Visit www.cochlear.com/us for more information.

Steco

Steco has developed magnetic implant abutments called Titanmagnetics. Titanmagnetics are a bi-magnet system where the magnet core is corrosion protected covered by laser-welded Titanium. Titanmagnetics fit most implants and miniplates for facial prosthetics like Vistafix Generation 2 (Cochlear), Straumann EO, Epiplating (Medicon) or Southern Impants (and other External Hex Type Brånemark). Titanmagnetics are used to retain nose, ear, eye or to couple multipart facial prostheses and obturators.

Technovent and Factor II

Factor II has been the major supplier of maxillofacial products since 1978. Together with Technovent based in the UK and together we continue the development of silicone elastomers, and Maxillofacial components, materials, and the newest advances inw technology for the future of this industry.

Vesalius Trust

The Vesalius Trust for Visual Communication in Health Sciences was incorporated as a non-profit public foundation in 1988. Established under the direction of the Board of Governors of the Association of Medical Illustrators, a professional organization of medically-trained visual communicators, the Trust strives to develop and support education and research programs in the field of health science communications.

Exhibitors

3dMD

3dMD provides anaplastologists, prosthetists and other facial reconstruction specialists with ultra-fast, high-precision 3D surface imaging of the human body with sub-millimeter accuracy. The precise 3D models can be output to rapid prototyping software and 3D printers to fabricate precisely-engineered noses, ears or other body parts that can be used by specialty teams to help a patient's aesthetic appearance.

Big Buzz

Big Buzz provides healthcare organizations nationwide with full-service marketing backed by real research. The process starts from scratch with survey data from patients or clients to uncover the messaging, look and media that will best cause the target audience to act. From there, each organization's individual fingerprint and marketing plan are uncovered and put to market.

FlackTek, Inc

The FlackTek SpeedMixer is an advanced tool for mixing, grinding/milling and dispersing. This Non-Invasive MixingTM technology removes air bubbles while homogenizing the sample in a matter of seconds, and there is absolutely no cleanup! The SpeedMixer can be used to process any combination of powders, pastes, putties, and liquids in batches ranging from 1g to 5Kg. Please visit our booth to learn how a SpeedMixer can benefit your R&D, quality control and specialty productions.

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International Anaplastology

Phone: (800) 605-6297

IAA Conference Program May 28-30, 2014

Wednesday, May 28, 2014

Workshops (30 each rotation, 60 total each workshop) 2 Rotating Sessions to allow for 2 groups of participants

8:00-9:45	Kendra Fleischman	Session 1 Rotation 1A: Loosen Up! Exploring Sculptural Creativity.
	Todd Debreceni	Rotation 1A: Complex Mold-Making and Tips from Special Effects
9:45-10:10	Coffee Break	
10:10-11:55	Kendra Fleischman	Rotation 1B: Loosen Up! Exploring Sculptural Creativity.
	Todd Debreceni	Rotation 1B: Complex Mold-Making and Tips from Special Effects
11:55- 1:15	Lunch on your own	
1:15-3:00	John McFall, Peter Evans, MIMPT, Mark Waters, PhD, David Trainer, CCA Robert Robinson, BS, MSA, CCA, Mitch Mayo, BCO, BADO, Barbara Spohn-Lillo, AS, CCA, CF-m, Kuldeep Raizada, PhD, B.C.O.	Session 2 Rotation 2A: Silicone and Magnetic Retention: 2014 Rotation 2A: Ocular Fitting
3:00-3:25	Coffee Break	
3:25-5:10	John McFall, Peter Evans, MIMPT, Mark Waters, PhD, David Trainer, CCA	Rotation 2B: Silicone and Magnetic Retention: 2014
	Robert Robinson, BS, MSA, CCA, Mitch Mayo, BCO, BADO, Barbara Spohn-Lillo, AS, CCA, CF-m, Kuldeep Raizada, PhD, B.C.O.	Rotation 2B: Ocular Fitting
6:00-7:00	Welcome Reception	

Continuing Education Credits

Sessions at this conference will earn Continuing Education Units with the BCCA. The BCCA requires that certificate holders acquire their own verification documentation that must include the conference or workshop agenda and one of the following: contact hours, certificate of attendance or a letter from the event sponsor of the course confirming both the dates and hours of attendance. CEU hours for this conference have been calculated by the IAA. The number of CEU credit hours is based upon instructional time, excluding welcomes, introductions, breaks, meals and other non-educational events. At the beginning of the conference, CEU Forms will be available from the registration desk. A code will be given in each session that must be recorded on the form to receive the credit for that particular session. At the end of the conference, you will receive a copy of the CEU Form. Following the conference, a Certificate of Attendance will be e-mailed to you.

Thursday, May 29, 2014

Scientific Session: Day 1 Art of Anaplastology

7:00-8:00	Breakfast
8:00-8:10	Jay McClennen, AOCA, CCA, CFm
8:10-8:20	Amanda Behr, MA, CMI, FAMI
	Session Moderator: Barbara Spohn-I
8:20-9:05	Len Lichtenfeld, MD, MACP
9:05-9:30	Jay McClennen, AOCA, CCA, CFm
9:30-9:55	Yvonne Motzkus
9:55-10:15	
10:15- 10:35	Coffee Break
10:35-11:20	John Gurche, MA
11:20-11:50	Iraj Moslehi
11:50-12:10	Joseph Gorrin
12:10-2:15	Lunch on own
12:10-1:00	Allison Vest, MAMS, CCA
1:00-2:15	IAA Board Meeting
	Session Moderator: Megan Spindal,
2:15-2:45	Cheryl Roy, CF-m and Wendy Phillips
2:45-3:10	Stefan Knauss, MAMS, CPO
3:10-4:00	Rosemary Seelaus, MAMS
4:00-5:40	Coffee Break
4:00-5:40	Multiple Presenters

Presidents' Address

Welcome

Lillo, AS, CCA, CF-m

Keynote: Cancer Outlooks: Advances and the Future Speed Mixing Technology for Anaplastology Labs

Designs of Prosthetic Upper-Lip Replacements, Considering Functional Aspects and Individual Patient Requirements Fast Take: Exhibitor Presentations

Keynote: Reconstructing Ancient Faces and the Evolution of Human Facial Expression

Walter Spohn Memorial Lecture: The hands that never retired Fitting an Ocular Prosthesis for a Patient Anophthalmic Eye Socket

Workshop Session 3: Billing for the Anaplastologist

MS

Marketing in Healthcare

A Functional Approach for Fitting a Short Residual Thumb Panel on Technology in Anaplastology

Techniques Showcase and Poster Presentations

Friday, May 30, 2014

Scientific Session: Day 2 Science and Collaboration

7:00- 9:00	Business Breakfast	
8:00-9:05	Business Meeting	
9:05-9:15	Announcements	
	Session Moderator: Suzanne Verma, M	AMS, CCA
9:15- 10:00	Sydney Coleman, MD	Keynote: Stem Cell Therapy and Advances in Regenerative Surgery
10:00-10:30	Jerry Popham, MD	Oculoplastics
10:30-11:00	Coffee Break	
11:00- 11:30	Peggy Kelley, MD	A Multidisciplinary Approach to Managing Microtia & Artesia: A Surgeon's Perspective
11:30-11:55	Megan Hegman, AuD	A Multidisciplinary Approach to Managing Microtia & Artesia: A Personal Perspective
11:55-1:00	Network and Exhibits Lunch	
12:20-1:00	IAA Board Meeting: New Board	
	Session Moderator: Julie Jordan Brown	, MAMS, CCA
1:00-1:25	Marcelo Ferraz de Oliveira, DDS	Auricular Reconstruction: Autologous Vs Prosthetic
1:25-2:10	Moderator: Suzanne Verma, MAMS, CCA; Sydney Coleman, MD; Megan Hedman, Au.D.; Peggy Kelley, MD; Marcelo de Oliveira, DDS	Reconstructive Options for Soft Tissue Defects and Deficiencies
2:10-2:30	Sarah Wisniewski	Blending Auricular Air Ventilation with Hair
2:30-2:55	Anne Marie Riedinger, MA	Bone Anchored Ear Prostheses: Bar and Clips Versus Magnets
2:55-3:20	Susan Habakuk, MEd, CCA	Osseointegrated Implants and the Rehabilitation of the Microtia Patient
3:20-3:50	Coffee Break	
3:50-4:10	Gina Cohen	Quick Silicone Auricular Try-on for Fitting Tests
4:10-4:30	David Trainer, CCA	A Novel Approach to Osseointegrated Auricular Prosthetic Re- tention
4:30-4:50	Micheala Calhoun, MS	Interim Nasal Solutions: Shedding the White Bandage
4:50-5:10	Juan Garcia, MA, CCA	Exploring Use of Advanced Technologies in the Treatment Work-flow
5:10	Closing Remarks	
6:15	Bus leaves for The Fort	
6:30-10:30	Awards Banquet: The Fort	

You are Cordially Invited to Attend The International Anaplastology Association's

FAUX FUR AND FOOLS GOLD AWARDS BANQUET

Friday, May 30, 2014 The Fort Denver, Colorado, USA



Please join us for a fun filled evening at The Fort. The Fort is a replica of Bent's Fort, one of the original trading posts in Colorado, famous for its fur trade. Listed on the National Register of Historic Places, The Fort has been featured in the New York Times, Bon Appetite Magazine and won the Wine Spectator's Award of Excellence seven years in a row.

Cocktail hour is from 6:45 PM - 7:45 PM where you can peruse the grounds and take in the history and artistry of the building and its surroundings. Dinner will be served family style, highlighting some of the early west cuisine in the St. Vrain Council Room and Bar.

After dinner, you can enjoy the rest of the entertainment of the evening. The Walter Spohn Educational Fund (WSEF) will be hosting another lively raffle, so be sure to bring along a donation from your region of the globe to "trade" in at the Fort! Also, get ready to help us navigate The Santa Fe Trail through the wild, unpredictable world of Bent's Old Fort as fur trader Erin Stevens rides her trusty steed on a high-stakes mission from Independence to Santa Fe! You may want to have a pocketful of small bills on hand to help in this exciting, treacherous journey.

Come dressed for the occasion- the theme is Fur and Gold or Faux Fur and Fools Gold!









CONFERENCE PROGRAM: WORKSHOPS

Wednesday, 8:00 AM - 11:00 AM



Loosen Up: Playing With Sculpture

Kendra Fleischman Visual Arts Educator Denver School of the Arts 7111 Montview Blvd. Denver, Colorado, USA

Abstract

The workshop session will include the following activities:

- The importance of play in the creative process
- How to loosen up your work (Sculpting motion)
- Quick figure draw
- Building an armature based on your sketches
- Letting the details go to achieve more expression through motion and texture
- How to bring meaning into your work through expressive techniques

Biography

Kendra Fleischman studied art at Colorado State University where she concentrated in sculpture and graduated with High Distinction in 1987. Over the past twenty years she has worked as a professional artist, developing a unique and recognizable style.

Her style simplifies the human form so the viewer can enjoy the beauty of the figure through the lines, planes and fluid motion of the body. Surrealism, Expressionism and Futurism are some

of the past art movements that interest Kendra and have directly influenced her style. She strives for each piece to be meaningful and engaging for her viewers.

In addition to her work as a professional artist, Kendra is a licensed art educator and is currently a visual arts instructor at the Denver School of the arts. She has professional experience working in painting, drawing, ceramics, jewelry, sculpture and most recently animation. Working with the next generation of artists, has influenced Kendra's creativity and has helped her take risks with her subject matter and explore many new mediums.

Kendra is currently developing a multi-media based body of work that combines video, sound and sculpture. These innovative sculptures allow a new dimension of movement, meaning and interactivity in Kendra's work. She believes that artists should indulge their curiosities, explore unusual materials and subject matter. "If you are comfortable, you are not taking risks. If you don't fail now and then, you are not learning anything new. To grow as

an artist, you must discover new ways of working, thinking, creating and expressing."

Public Collectors include:

Lakewood Cultural Center Lakewood, Colorado Arvada Center for the Arts and Humanities Arvada, Colorado

Benson Sculpture Park Loveland, Colorado

Fountain Hills Community Center Fountain Hills, Arizona

Worrell Collection Charlottesville, Virginia

Western Kentucky University Bowling Green, Kentucky

Wyoming Seminary Prep School Wilkes-Barre, Pennsylvabia

Martin-Stone Collection Oakdale, California

Butler Community College Eldorado, Kansas

CONFERENCE PROGRAM: WORKSHOPS



Todd Debrecini Back Porch F/X Denver, Colorado, USA

Abstract

This workshop, Advanced Sculpting and Mold-Making, will be a combination of Show-And-Tell and hands-on activity with session attendees.

Attendees will be exposed to processes and techniques, along with tips and tricks that should make future efforts easier and more efficient.

The primary focus of the presentation will be collapsible-core, or puzzle molds. These types of molds allow for seamless prosthetics to be created. The techniques can be modified to suit many situations; the point of which is if you know how to make a good mold, there is virtually nothing that you can't fabricate and reproduce.

The presenter will also cover some sculpting techniques, as well as tips and tricks. There will be time for examination of molds, tools, and Q&A.

Biography

Wednesday, 8:00 AM - 11:00 AM

Complex Mold-Making and Special Effects Tips

Todd Debreceni began his career in entertainment with PBS while a graduate student in television at the University of Tennessee. Before starting his own small effects shop in Denver, Todd worked for cable pioneer Ted Turner at TBS in Atlanta, 20th Century-Fox Television in Los Angeles, Warner Bros., Walt Disney Pictures and Walt Disney Television Animation. Among his feature credits are: Contact; Batman and Robin; My Favorite Martian; Honey, We Shrunk Ourselves; The Enemy God, Cannon Fodder, Decay and Ink. Todd recently sculpted and molded wounds used in the 2013 Tom Hanks film, Captain *Phillips*. Television credits include episodes of JAG and Doctor Who. Todd is the recipient of a 1992 Los Angeles Drama Critics Award, a 2006 and 2009 Denver Post Ovation Award for special makeup effects and a 2010 Henry Award nomination for Disney's Beauty and the Beast. He has created

a variety of makeup effects for many stage productions, including: *Shrek* the Musical; Spamalot; The Whipping Man; Young Frankenstein; Man of La Mancha; Peter Pan; Oliver!; Dracula; Bat Boy, the Musical; Hoping to See God; Into the Woods; The Wiz; The Lion, the Witch and the Wardrobe; Urinetown, the Musical; Elephant Man; The Snow Queen; Sleuth and Sideshow. Todd conducts regular seminars, workshops and classes in special makeup effects for film, television and theatre both in the United States and overseas, consults internationally, and has literally written the book on special makeup effects for Focal Press called Special Makeup Effects for Stage and Screen (2009). It is hailed worldwide in the entertainment industry as "the bible" for makeup effects artists. The much anticipated second edition was released in January 2013.

CONFERENCE PROGRAM: WORKSHOPS

Wednesday, 1:15 PM - 5:10 PM



Ocular Fitting

Moderator Robert F. Robinson Jr., BS, MSA, CCA

Presenters Barbara Spohn-Lillo, AS, CCA, CF-m Kuldeep Raizada, PhD, BCO Mitchell Mayo, BCO, BADO

Photo courtesy of Barbara Spohn-Lillo.

The workshop will cover a variety of ocular impression taking techniques and impression materials. Design and fitting techniques for oculars will be demonstrated with an opportunity for hands-on learning.

The goals of the workshop include:

- Introduce a variety of impression or fitting techniques for ocular prosthetics
- Provide an opportunity for hands-on learning of typical fitting problems for ocular prosthetics

About the Presenters

Robert Robinson is a Dental Maxillofacial Prosthetist in private practice and Clinical Anaplastologist for Walter Reed National Military Medical Center. Robert received his Bachelors of Science in Healthcare Management from Southern Illinois University and a Master of Science degree in Health Services Administration from Central Michigan University. Robert received his specialty training in dental laboratory prosthetics from the Navy School of Dental Assisting and Technology, San Diego, CA and Anaplastology/Maxillofacial Prosthetics from the Naval Post-graduate Dental School, Bethesda, MD. Robert serves on the Board for Certification in Clinical Anaplastology and holds the position of Treasurer. Robert is also a Past-President of the International Anaplastology Association.

Kuldeep Raizada completed his basic optometry education at Gandhi Eye Hospital, Aligarh, and had his fellowship in Optometry & Vision Science, and training in ocular prosthesis at L V Prasad Eye Institute, Hyderabad, where he was also Founder and Head of the Department of Ocular Prosthesis Services till 2009. He completed a second fellowship, in Anaplastolgy, at MD Anderson Cancer Center, Houston. He has also been trained by the top most Ocularist and Anaplastologist in United States of America and in the United Kingdom. He also holds a Doctor in Philosophy (PhD) under Dr S K Agrawal from Calcutta on Prosthesis. Kuldeep Raizada is one of the very few Ocularist outside of the USA who is a Board Certified by NEBO (National Examination Board of Ocularist) and

also a Diplomat Ocularist from American Society of Ocularists, USA.

Barbara Spohn-Lillo received her apprenticeship and formal training from Walter G. Spohn, Founder of the IAA, and Director of the Stanford Program. After graduating in 1980 she opened Prosthetic Illusions in Denver, Colorado, in 1981. In addition to herself, she currently employs one full-time and two part-time employees. Prosthetic Illusions specializes in custom artificial eyes, facial prosthetics, partial digits, and custom and non-custom breast prostheses. She has been married since 1980 to Nick, with five grown children.

Mitchell Mayo has been working in the ocular prosthetic field for 15 years. Losing an eye at a young age led Mitch to this wonderful profession. When not working along the Front Range, he enjoys spending time with his wife and two boys. He is a Board Certified Ocularist, awarded by the National Examining Board of Ocularists as well as a Board Approved Diplomate Ocularist, awarded by the American Society of Ocularists. He has lectured numerous times to ophthalmic professionals.

CONFERENCE PROGRAM: WORKSHOPS



Presenters John McFall Peter Evans, MIMPT Mark Waters, PhD David Trainer, CCA

Course Objectives

The course will demonstrate the use of a new Magnetic Attachment for auricular appliances. Demonstrate the use of silicones, and bonding the Magnet into the Silicone using more than one silicone. Discussion on the various primers and solvents available for a success implant retained prosthesis.

Description of Workshop

Participants of the workshop will be introduced to the New 2014, S Range "O Ring Magnet," which is the State of the Art for auricular patients with implants. Workshop will also demonstrate the use of various silicones, in fabricating a prosthesis, the use of more than one silicone in an appliance. The attendees will be exposed to various forms of silicone from: RTV's, LSR's and HCR's and their practical use in Maxillofacial Prosthetics.

Presenters

John D. McFall is the Executive Director of Factor II Inc., founded in August of 1978 to supply reconstructive clinicians with a consolidated supply source of materials, equipment and information. John trained at The

University of Texas, M.D.Anderson Hospital in 1976. He has been continually involved in the development of materials to enhance the art and science of maxillofacial prosthetics. Factor II has been involved with all of the major manufacturer's in keeping pace with the development of silicone elastomers; Companies such as: Dow Corning, Nusil Silicones, Rhodia Silicones, Applied Silicones, GE silicones and the latest player to add to this list is now Bluestar Silicones. John believes that the future of this Specialty lies in education and intends to pursue this concept by bringing the manufacturer closer to the lab to understand the clinical needs of the maxillofacial industry.

Professor Mark Waters has over 20 years of research experience in the area of biomaterials, and particularly in the development of novel silicone rubber materials. He is currently a Professor in Biomaterials at Cardiff University as well as Director of Technovent Ltd. He has published over 50 papers in national and international peer reviewed journals in the area of polymeric biomaterial development. Professor Waters has been responsible for the development of numerous materials for use in maxillo-

Wednesday, 1:15 PM - 5:10 PM

Silicone & Magnetic Retention: 2014

facial prosthetics and dentistry, in addition to industrial materials. Technovent manufactures and markets worldwide the Magna-Cap magnetic retention system for use with dental and craniofacial prostheses. The technology and functionality of Technovent products has been established over many years of research, development and clinical use. Since becoming director of Technovent Professor Waters has enhanced their product line and has been instrumental in developing new innovations in magnetic retention for facial and dental prostheses.

David Trainer is a maxillofacial prosthetist with 25 years of clinical experience in all phases of prosthetic rehabilitation. David received his initial training in Dental Prosthetics at Matthew Boulton College in Birmingham, England. He then went on to receive his Licentiateship in London in Maxillofacial Prosthetics. David's work with materials has been very instrumental in product development specifically for use in Maxillofacial Prosthetics working with Factor II Incorporated and Technovent LTD of the UK, for many years.

Continued on page 19

Thursday, 8:20 AM - 9:05 AM



Cancer Outlooks: Advances and the Future

KEYNOTE SPEAKER

Len Lichtenfeld, MD, MACP American Cancer Society, Inc. Atlanta, Georgia, USA Blog: www.cancer.org/drlen

Abstract

There have been substantial improvements in cancer care since the nation declared a war on cancer in 1971. "Hope and hype" have given way to a better understanding of what makes a cancer cell a cancer cell and how we can apply that knowledge to benefit patients. Since the early 1990's the nation has experienced a 20% decrease in cancer mortality, with notable declines in deaths from several common cancers, among them lung, breast and colorectal cancers. This has translated to over 400 premature deaths averted every day in the United States had we not made that progress.

Decades of research have provided us with an understanding of the cancer genome that has in turn opened the way to newer targeted therapies, some of which have resulted in converting certain cancers from fatal diseases to chronic illnesses. We have reached a tipping point in cancer discovery, where over 1000 new compounds are waiting to be tested in clinical trials, while other research helps us predict who is most

prone to develop cancer and molecular diagnostic studies show us which drugs may be most effective in which patients-even when those drugs may not be usually considered as a treatment for that patient.

However, as we look forward, we must recognize and understand the difficulties faced by cancer survivors as well as their caregivers, families, friends and colleagues. We need to address many related issues, including but not limited to lagging funding for cancer research, significant disparities in cancer prevention, early detection and treatment, the need to improve cancer care delivery and the application of new technologies, and our ability to provide everyone with the most appropriate and effective treatment for their disease.

Biography

Dr. Lichtenfeld is Deputy Chief Medical Officer for the American Cancer Society. Among his responsibilities is directing the Society's Cancer Control Science Department. This group of internationally recognized experts focuses on the prevention and early detection

of cancer, as well as emerging science and trends in cancer. The department is responsible for producing the Society's widely recognized guidelines for the prevention and early detection of cancer, including the role of nutrition and physical activity. Dr. Lichtenfeld oversees the Society's cancer control programs in health disparities and serves as the medical advisor to the Society's nationwide Laureate program. He is well known for his blog (www. cancer.org/drlen) which addresses topics related to cancer care.

Dr. Lichtenfeld is recognized as a resource both within and outside the Society for his expertise in oncology and medical affairs. He serves as a liaison for the Society with many professional and public organizations, and is a frequent spokesperson on behalf of the Society on a variety of cancer related subjects.

A board certified medical oncologist and internist who was a practicing physician for over 19 years, Dr. Lichtenfeld has long been active in medical affairs on a local, state, and national level.

Continued on page 24

CONFERENCE GENERAL SESSION

Jay McClennen, AOCA, CCA, CFm The Anaplastology Clinic Durham, North Carolina, USA

Abstract

As our silicone materials advance year to year, we learn of many new innovative ways to produce prosthetics with superior properties. The days of having to embed fabric into silicone to stop any rips from advancing or to make thicker margins for the purpose of durability are now a thing of the past. While working with high consistency silicones (HCR) and creating my own custom HCR dispersions, I came across a noninvasive mixing technology by means of an advanced lab instrument called a Speedmixer. The Speedmixer has proven to be an invaluable tool at The Anaplastology Clinic and one that I felt should be shared with my colleagues. In this presentation I will demonstrate with video the process for mixing perfect bubble free silicone dispersions ready to airbrush in just minutes. I will also show how to achieve superior dark skin tones with my dispersion technique. Other advantages of speedmixing will also be demonstrated

with custom color matching to your patient, custom dry mixing of flock, silicone pigment mixing and a video demonstration showing unusable crepe hardened silicone turned into perfect homogenized usable silicone in a matter of seconds.

Biography

Jay McClennen is a classically trained figurative sculptor. Upon graduation from the Ontario College of Art & Design in Canada, Jay spent 17 years working as a successful freelance artist with his own company: Spire Art & Design. Specializing in silicone prosthetics for the Hollywood film industry, Jay received several awards including an Emmy nomination for prosthetic make-up in HBO's Truman in 1995 and he was shortlisted for an Academy Award for prosthetic makeup on X2 in 2003.

At Toronto's Sunnybrook Regional Cancer Center, Jay worked in the Craniofacial Prosthetic Unit. There he honed his clinical and implant

Thursday, 9:05 AM - 9:30 AM

Speed Mixing Technology for Anaplastology Labs

skills before moving to Durham, North Carolina where he owns The Anaplastology Clinic; a clinic that began over 45 years ago at Duke University Medical Center. Including Jay, The Anaplastology Clinic has three full time Anaplastologists on staff making it one of the largest full service anaplastology services in North America.

Fully trained in the art of Forensic Facial Reconstruction, Jay has done work for the Ontario Provincial Police and the Ontario Coroner's Office in Canada, helping to put a face to unidentified remains.

Jay is a Certified Clinical Anaplastologist and an active member of both the International Anaplastology Association (IAA) and the International Association for Identification (IAI); the world's oldest and largest forensic science/ identification association. He is proud to currently serve as the President of the IAA.

Thursday, 9:30 AM - 9:55 AM



Designs of Prosthetic Upper-Lip Replacements, Considering Functional Aspects and Individual Patient Requirements

Yvonne Motzkus and Kerstin Menzel

Berlin Centre for Artificial Facial Parts/ Charité Universitäts Medizin Berlin, Germany

Abstract

In designing a prosthetic upper lip for a patient, what matters is not only the creation of a natural-looking copy but also, due to the inflexibility of the prosthesis, the functional design of the defective area being replaced.

The following need to be considered: phonetic aspects, possible anchoring points, the type and customary way in which the patient ingests food, the flow of saliva, and the mobile edge area at the transition between the cheek and the prosthesis.

The aim is to create an upper lip that permits comprehensible speech, does not lose its anchorage due to muscular forces when biting on food, achieves a definite lip closure with the lower lip, and has a naturally attractive appearance.

Movements in the edge areas should be tolerated to the greatest possible extent by the prosthesis anchorage, and if

possible no gap should result in the case of extreme grimacing, such as when laughing.

The creation of a nose-cheek-lip prosthesis will be shown in a stepby-step presentation and checked against the described and required functionality.

In the case of a multifunctional body part such as the upper lip, the search for the optimal design of a prosthesis should take place jointly between the prosthetist and the patient.

The needs of the patient and his/her customary habits will determine the direction and will help in tailoring the prosthesis to the individual patient and his/her everyday life.

Sometimes not every aspect can be achieved, and compromises have to be made; here the integration of the patient in his/her environment is the chief priority.

Biography

Yvonne Motzkus has been engaged since 1990 as Epithetics Specialist and Anaplastologist for the Berlin Centre for Artificial Facial Parts.

Since then, she has constructed several hundred epitheses. Among other things, she participated in the research project to develop an active (= moveable) eye epithesis.

Since 2004, she has been working in-house, together with Kerstin Menzel, at the Epithetics Laboratory of the Charité. She is Vice President and founding member of "Deutscher Bundesverband der Epithetiker/dbve" and holds international lectures at conventions and in hospitals.

CONFERENCE GENERAL SESSION

KEYNOTE SPEAKER

John Gurche, MA Artist-in-Residence Paleontological Research Institution Cornell University Trumansburg, New York, USA

Abstract

Anatomically, the human face can be seen as an ape's face that has been augmented for visual communication. We humans have a number of facial features not found in apes that are used in the expression of emotions.

How can we reconstruct the face of a long dead ancestor, when only bones remain? This will be discussed with specific examples, such as the 5,300 year old "Iceman," and the 3.2 million year old "Lucy."





Thursday, 10:35 AM - 11:20 AM

Facing the Past

Biography

John Gurche is a renowned paleoartist with works of prehistoric humans commissioned by the The Smithsonian, The Field Museum, and The American Museum of Natural History. Additionally, his work has been featured on National Geographic Television, The Smithsonian Channel and the BBC. He has many publications to his name, including books and journal articles. John is Cornell University's Paleontological Research Institution Artist-in-Residence. John received his Master of Arts degree in Anthropology from the University of Kansas under David Frayer. John lectures frequently about the science and art behind his creations.

Thursday, 11:20 AM - 11:50 AM



The Hands that Never Retired!!!

Iraj Moslehi The Medical Art Prosthetics Center Tehran, Iran

Abstract

Very early on I had an interest in art. I have been a sculptor, painter and mold maker for most of my life.

I have always been passionate about helping my people who were maimed so badly during the eight year war between my country and Iraq. When the opportunity arose, I was fortunate enough to receive a scholarship for an anaplastology training course held in Germany.

Although I have faced many challenges and difficulties along the way, I established my anaplastology clinic in Tehran, Iran. I am contacted by thousands of people in need of treatment every year.

Today I will discuss my journey to become an Anaplastologist and my perspective and experiences of being the sole anaplastology provider in Iran.

Biography

Iraj Moslehi has been a sculptor, painter and mold maker for most of his life.

His professional position for thirty years was Executive Manager of the Social Security Organization in Iran. Finally after his retirement, Iraj started what he always wanted to do.

In May 2001, through extensive searching, Iraj was granted a scholarship to attend a training course for Anaplastology in Germany.

As the only Anaplastologist in Iran, Iraj Moslehi has been working tirelessly for the past 13 years at his clinic, The Medical Art Prosthetics Center, in Tehran, Iran. There he has dedicated his efforts to providing Ocular, Maxillofacial and somatic prosthetic rehabilitation to those in need.

In June 2013, the International Anaplastology Association, at its 27th annual conference in Nashville, Tennessee, honored Iraj by awarding him the IAA Humanitarian Award for his selfless work in Iran, following the presentation that was given by his daughter Sara Moslehi about the story of his journey in Anaplastology in Iran.

CONFERENCE GENERAL SESSION



Joseph Gorrin Gorrins Clinic Inc Greenville, South Carolina, USA

Abstract

This will be a case presentation using a twenty-seven year old male with an anophthalmic condition. I will introduce and explain the following procedures that are implemented for fabrication and fitting the custom ocular prosthesis. The first procedure is taking measurements with various impression materials. The second step will be the fabrication and coloring the ocular prosthesis. Third and final step in this procedure is the fitting of the prosthesis.

Continued from page 19

Peter Evans is well renowned in the field of Maxillofacial Prosthetics, being part of a team that pioneered the use of Craniofacial Implants in the UK for retention of facial prostheses at St Lawrence Hospital, Chepstow. Studying Maxillofacial Prosthetics in London in 1987 he moved to South Wales to join the Welsh Craniofacial Implant

Team in 1989. He is presently Head of Prosthetic Maxillofacial Rehabilitation at Morriston Hospital, Swansea.

His main areas of interest include facial prosthetics for children, craniofacial implantology and 3D modeling and imaging. He has published extensively in on the integration of digital technologies into facial prosthetics and implants,

Thursday, 11:50 AM - 12:10 PM

Fitting and Fabricating Custom Ocular Prosthesis

Biography

Joseph Gorrin is board certified in clinical anaplastology. His anaplastology practice is located in Greenville, South Carolina. He was in the first anaplastology graduation class in 1974. He received his Associate of Science degree after completing the anaplastology program at Stanford Medical Center under the training instruction of Dr. Walter Spohn which specialized in ocular prosthesis and facial restorations.

lecturing in the UK and worldwide.

Peter is a full member of the Institute of Maxillofacial Prosthetics (IMPT) founder member of the British Facial and Audiological Implant Group (BFAIG) and a founder member and secretary of the Centre for Applied Technology in Surgery (CARTIS).

CONFERENCE GENERAL SESSION: WORKSHOP

Thursday, 12:10 PM - 1:00 PM



20

Billing for the Anaplastologist

Allison Vest, MAMS, CCA President Medical Art Prosthetics, LLC Dallas, Texas, USA

Michael Hanna, MPA, CDME Provider Relations Senior Analyst CGS Administrators, LLC Nashville, Tennessee, USA

Abstract

A range of facial and somato DME billing issues will be addressed including the implementation of ICD-10 codes, hand/finger coding, effective appeal writing and detailed billing for implant retained prostheses. Participant's questions can be submitted prior to the workshop for review and possible discussion.

About the Presenters

Allison Vest received her Bachelor's degree from New College in Sarasota, Florida in 2002. Her Master's degree was earned in 2004 from the Universty of Illinois Chicago Graduate School of Biomedical Visualization. Her post graduate facial prosthetic training includes an internship in the Maxillofacial Prosthetics Clinic at the University of Florida Medical Center and an externship at the Morriston

Hospital in Swansea, Wales. Ms. Vest moved from her native Florida at the end of 2004 to join Medical Art Prosthetics, LLC in order to help meet the growing demand for services of the 25 year practice. Ms. Vest conducts the digital scanning and rapid prototyping program for in-office production of surgical implant placement guides and prosthesis design. In addition to her comprehensive care as clinical anaplastologist she serves as president of the Dallas clinic.

Michael Hanna is a Provider Relations Senior Analyst for CGS Administrators, LLC, the Jurisdiction C DME MAC. Michael holds a bachelor's degree and a Master of Public Administration degree from the University of Missouri. He holds DME Certification. Michael has been with CGS for seven years in training and Provider Outreach and Education roles.

CONFERENCE GENERAL SESSION



Abstract

portfolio

presenters will cover:

The Science Behind Online Marketing How to Invite Potential Patients into Your Website and Convert Them to Production Dollars

Cheryl Z. Roy, CF-m Certified Mastectomy Fitter National Marketing Director Prosthetic Illusions Denver, Colorado, USA

your practice.

About the Presenters

Wendy O'Donovan Phillips has provided clients with marketing consultation since 2000. Wendy got her start in the field by freelancing at marketing agencies in Los Angeles and Denver. In 2004, Wendy joined a Denver brand agency and was named Junior Partner. While there, she developed client brands and marketing campaigns, and she oversaw all copywriting. Today, as president of Big Buzz, Wendy offers branding consultation, marketing planning and marketing execution to medical practices and healthcare organizations nationwide. Her agency, Big Buzz, has been recognized by the Cancer Awareness Advertising Awards and the Business Marketing Association for excellence in website development. She was also named one of only 61 winners nationwide in the 2011 Make Mine a Million competition, a program dedicated to helping women grow their microbusiness into million dollar enterprises. Wendy's work has been published in The Hollywood Reporter,



This comprehensive overview of healthcare centered marketing will provide tips and guidelines for application in

International Anaplastology Association // 28th Annual Educational Conference Denver

Thursday, 2:15 PM - 2:45 PM

Wendy Phillips Big Buzz Denver, Colorado, USA

> The Washington Times, several Tribune Company newspapers and The Denver Business Journal, among other publications. She has been recognized by The American Marketing Association and The Colorado Association of Black Journalists for excellence in writing. She has spoken in front of The Seattle Study Club and the Metro Denver Dental Society in addition to several physicians' groups, and she sits on the board of Kids in Need of Dentistry, where she heads up the marketing committee.

Cheryl Z. Roy

As the Breast Care Consultant for Prosthetic Illusions, Cheryl dedicates her time to providing personal care, true expertise and education to breast cancer survivors in need of prosthetic guidance.

Cheryl is originally from Chicago, where she completed her BA in Communications from DePaul University. From 1993-2002, she worked in advertising as a marketing specialist and media negotiator. Interested in the path of wellbeing, Cheryl left the corporate world to pursue massage. Continued on next page

Thursday, 2:45 PM - 3:10 PM



A Functional Approach for Fitting a Short Residual Thumb

Stefan Knauss, MAMS, CPO Aesthetic Prosthetics, Inc. Pasadena, California, USA

Abstract

As finger prostheses are concerned, suction type retention is the preferred approach. However, when stump length is too short, alternative approaches become necessary. Because of the importance of the thumb's role in many prehensile grasping patterns, creating a stable and dynamic foundation is essential for hand usefulness. This presentation describes a casting and modification approach that improves thumb opposition and the usefulness of the remaining fingers.

Biography

Stefan Knauss has been practicing prosthetics for 26 years. He has been in private practice for 14 years specializing in functional and aesthetic prosthetics. Stefan is co-owner of Aesthetic Prosthetics and a prosthetist. He has a Masters of Associated Medical Sciences from the University of Illinois at Chicago's Craniofacial Center in the Department of Maxillofacial Prosthetics. He also studied prosthetics and orthotics (bracing) at Northwestern University's School of Prosthetics and Orthotics in Chicago, and art at Occidental College and the Art Center College of Design.

Continued from page 21

Cheryl successfully owned and operated her own medical massage practices throughout the Denver Metro area for the next 10 years. Her practice focused on specializing her medical-based massage skills through the positive effects of manual modalities on post-operative patients. She found her most rewarding work helping women with the recovery process from breast augmentation, mastectomy and reconstructive procedures.

Cheryl joined the Prosthetic Illusions team in 2011 as the Breast Care Consultant and National Marketing Director. Cheryl's unique skill set enables her to endorse breast health awareness and prosthetic alternatives to the local survivor community and has promoted their in-house breast forms nation-wide to retail mastectomy shops and medical facilities. Cheryl has presented and participated in local, regional and national events such as Susan G. Komen "Walk for the Cure," the American Society of Plastic Surgeons "Breast Surgery & Body Contouring Symposium," and Bright Pink events.

CONFERENCE GENERAL SESSION

Exploring Efficiencies in Technology-Based Applications in Anaplastology

Abstract

Technology-based solutions to clinical challenges have been well demonstrated globally in anaplastology. While clinical applications with computerbased techniques have been described extensively, demonstrating definitive efficiencies, and direct quantitative benefit in patient treatment have remained enigmatic. This panel aims to explore the efficiencies that technologybased solutions offer in patient treatment as described by experienced & expert practitioners of technology in anaplastology. Case studies will be presented to lay the foundation for a discussion of demonstrated efficiencies in patient care and improved treatment outcomes in our present environment of anaplastology's technological evolution.

About the Presenters

Rosemary Seelaus, MAMS is Senior Anaplastologist at The Craniofacial Center, Department of Surgery, Division of Plastic & Reconstructive Surgery at the University of Illinois Hospital & Health Sciences System, Chicago, Illinois, USA. She leads the

longest standing graduate training program in anaplastology for nonmedical/dental specialists in the United States through the department of Biomedical & Health Information Sciences at the University of Illinois at Chicago (UIC). Prior to her current position of 8 years, Ms. Seelaus was a Clinical Anaplastologist and Research Fellow at the Institute for Reconstructive Sciences in Medicine (iRSM) in Edmonton, Canada.

Thursday, 3:10 PM - 4:00 PM

Moderator: Rosemary Seelaus, MAMS

Panelists: Juan Garcia, MA, CCA, Jan De Cubber, Lindsay McClutchion, Suzanne Verma and Peter Evans

Ms. Seelaus is an active researcher, instructor and developer of advanced technology and techniques in anaplastology. She has a particular interest and commitment to the contribution of digital technologies towards improving the surgical and prosthetic outcomes of patients worldwide -- an area of research and development she has pursued for the entirety of her career. Ms. Seelaus received her graduate degree, MAMS (Masters of Associated Medical Sciences), in 1997 from the University of Illinois at Chicago, where she specialized in 3D modelling and facial prosthetics; she is an alumnus

of Northwestern University where she received her Bachelor of Science degree in 1989. Ms. Seelaus has been practicing clinically for over fifteen years, and maintains a clinical focus on the use of osseointegrated implants and technology in facial prosthetic rehabilitation.

She is a Past President of the International Anaplastology Association and a past board member of the Board for Certification in Clinical Anaplastology. Ms. Seelaus currently serves as Co-Chair for the Special Interest Group in Facial Prosthetic Rehabilitation (SIGFPR) for the International Society of Maxillofacial Rehabilitation (ISMR); and is Chair of the Education Committee for the Advanced Technology in Head & Neck Reconstruction North American Leadership Group. She also serves on a number of Scientific Committees and is on the Editorial board for the International Anaplastology Journal.

She likes to dance and is an avid outdoors-woman.

Continued on next page

EXPLORING NEW HEIGHTS: Collaboration and Connection

Thursday, 3:10 PM - 4:00 PM

Continued from previous page

Juan Garcia received his Master of Arts degree in 1995 from JHU SOM. He holds both Bachelor of Fine Art and Bachelor of Science degrees, from the University of Miami, Florida. Over the years, he has served in various committee roles for the International Anaplastology Association. He is a Past President of the IAA, and is currently the Vice President of the Board for Certification in Clinical Anaplastology.

Jan De Cubber, CDT was trained as a CDT and maxilla facial prosthesist at the University of Brussels, but soon became interested in orthopedic sciences. As a researcher at CTO (Belgium) and Otto Bock Industries (Germany), he became an expert in silicone polymeric chemistry. As founder and driving force behind Silicon House International, he created a special department for "facial epithetics" in 1990.

Over the last 15 years, the Center for

Craniofacial Epithetics (CCE) opened its doors in Brussels (B), Gent (B), the University Hospital Maastricht (NL) and Warschau (PL). Each year, more than 190 facial implant retained epitheses are placed using the latest technologies.

Recently CCE became a part of the V!GO - group.

Lindsay McHutchion completed her degree in Biomedical Visualization at University of Illinois at Chicago specializing in 2012. She now works as an anaplastologist at the Institute for Reconstructive Sciences in Medicine and is interested in exploring the integration of imaging, colour and rapid prototyping technologies in the fabrication of facial prostheses.

Peter Evans is well renowned in the field of Maxillofacial Prosthetics. being part of a team that pioneered the use of Craniofacial Implants in the UK for retention of facial prostheses at St Lawrence Hospital, Chepstow. Studying Maxillofacial Prosthetics in London in 1987 he moved to South Wales to join the Welsh Craniofacial Implant Team in 1989. He is presently Head of Prosthetic Maxillofacial Rehabilitation at Morriston Hospital, Swansea.

His main areas of interest include facial prosthetics for children, craniofacial implantology and 3D modeling and imaging. He has published extensively in on the integration of digital technologies into facial prosthetics and implants, lecturing in the UK and worldwide.

Peter is a full member of the Institute of Maxillofacial Prosthetics (IMPT), a founder member of the British Facial and Audiological Implant Group (BFAIG) and a founder member and secretary of the Centre for Applied Technology in Surgery (CARTIS).

Continued from page 14

He is active in several state and national medical organization and advisory committees and has a long-standing interest in legislative and regulatory issues, medical care delivery, the role of health information technology in healthcare and physician payment.

Dr. Lichtenfeld is a graduate of the University of Pennsylvania and Hahnemann Medical College (now Drexel University College of Medicine) in Philadelphia. His postgraduate training was at Temple University Hospital in Philadelphia, Johns Hopkins University School of Medicine and the National Cancer Institute in Baltimore. He is a member of Alpha Omega Alpha, the national honor medical society. Dr. Lichtenfeld has received several awards in recognition of his efforts on behalf of his colleagues and his professional activities. He has been designated a Master of the American College of Physicians in acknowledgement of his contributions to internal medicine.

Dr. Lichtenfeld is married, and resides in Atlanta and Thomasville, Georgia.

CONFERENCE GENERAL SESSION



Background

Fat grafting has been reported as a remedy for untoward sequelae of trauma, infection and surgery since the early 20th century; however, initial attempts at transplanting fat were ineffective and inconsistent. In the 1990's a method of grafting fat was promoted by Sydney Coleman based on a standardized, relatively atraumatic technique using specially designed cannulas and centrifugation of the fat to yield more consistent results. With the expanding use of Coleman fat grafting worldwide, remarkable clinical results have been observed in not just the cushioning of the skin but also improvement of the quality of skin and healing over fat grafted areas.

Method

After transplantation, grafted fat does much more than simply fill or cushion. Grafted adipose tissue has a high concentration of stem cells that initiates tissue regeneration and has the ability to repair tissue. The newly placed fat improves the vascularity of the area into which it is placed. While initiating

new collagen formation, the grafted fat also interferes with the scarring pathways, decreasing or preventing scar formation.

Results

prosthesis.

Conclusion

Structural fat grafting is a potentially important treatment for many structural and functional deformities. Research will help us to better understand the mechanisms by which fat repairs and regenerates tissues. These realizations are providing a focus to develop new methods using fat grafts to improve both the functional and structural outcome of head and neck deformities.

Friday, 9:15 AM - 10:00 AM

The Evolution of Structural Fat Grafting and Potential Anaplastology Applications

KEYNOTE SPEAKER Sydney R. Coleman, MD Tribeca Plastic Surgery New Your, New York, USA

Examples of the treatment of posttraumatic and post-surgical deformities of the cranium, face and neck with fat grafting will be shown. Cases that highlight functional and structural improvement will demonstrate the improvement in patient care and outcomes that can be expected from the use of fat grafting in the fitting of

Biography

Sydney Reese Coleman is the physician who first observed and announced to the scientific community the amazing regenerative ability of fat grafts and the associated stem cells. Since 1987, he has developed procedures that utilize transplanted fat to not only fill faces and bodies, but also to harness the powerful rejuvenating and reparative abilities of fat. He is a board certified plastic surgeon practicing in Manhattan and is an assistant clinical professor at New York University (NYU) and also at the University of Pittsburgh Medical Center (UPMC). He is best known as the originator of a successful method for grafting fat. To describe his technique of fat grafting he trademarked the term LipoStructure® (alternatively referred to as Structural Fat Grafting, Coleman Fat Grafting or the Coleman Technique).

Since 1988, Dr. Coleman has given presentations on fat grafting at scientific meetings throughout the world and has published extensively. Soon after his first successful attempts

Continued on next page

EXPLORING NEW HEIGHTS: Collaboration and Connection

CONFERENCE GENERAL SESSION

Friday, 9:15 AM - 10:00 AM

CONFERENCE GENERAL SESSION

Oculoplastic Surgery

Jerry Popham, MD Park Ave OculoPlastic Surgeons Denver, Colorado, USA

Abstract

I will be addressing common anaplastologist / surgeon working relationship.

Biography

Dr. Popham began the private practice of ophthalmic plastic and reconstructive surgery in Denver after completing his fellowship training at Harvard Medical School in Boston. Prior to his advanced training in oculoplastic surgery at Harvard Medical School, Dr. Popham completed residency training in the microsurgical techniques of ophthalmic and intraocular surgery at Texas A&M University Medical School. Dr. Popham is board certified by the American

Continued from previous page

at fat grafting, he observed an improvement in the quality of aging or sun-damaged skin. Later he witnessed the reversal of pathological conditions after fat grafting of scarring, therapeutic radiation injury, scleroderma, steroid atrophy and other skin conditions. There is now evidence that the stem cells or messengers in all fat tissues aid in the repair of tissues by bringing in a new blood supply or by directly affecting damaged or aging structures. As such, your fat is a repair organ for the body, and moving fat into an area of your body can repair diseases and conditions.

This is the basis of an entirely new approach to medicine and surgery in which your own body can be used to cure diseases and conditions rather than using drugs or invasive procedures.

To study the regenerative potential of adipose tissue, Dr. Coleman is actively involved in research projects to quantify the regenerative ability of fat grafting and stromal vascular fractions in battle injuries. This research is sponsored by the Armed Forces Institute of Regenerative Medicine Biomedical Translational Initiative at the University of Pittsburgh Medical Center (UPMC). Dr. Coleman is Co-Investigator with Peter Rubin on four projects funded by the Department of Defense through the Office of the

Assistant Secretary of Defense for Health Affairs.

- 1. The first two studies are to investigate the "use of concentrated endogenous autologous adipose stromal cells in fat grafts for craniofacial trauma" in 20 soldiers; plus another study project to re-treat subjects in five selected cases.
- 2. In 2013, began a controlled study "to investigate the effect of adding stromal vascular fraction into the grafted fat for facial and cranial war injuries."
- 3. In May 2013 another study to investigate "enriched autologous fat grafting for treating pain at amputation sites" was begun.

For 4 years, Dr. Coleman has been traveling to UPMC almost every month to operate on two or three patients in these studies at each visit.

During the last years, Dr. Coleman has been involved with several plastic surgery regenerative organizations:

• Currently the Secretary General of the International Society of Plastic Regenerative Surgery (ISPRES) http://www.ispres.org, and the President and primary organizer of their second international Congress which met in Berlin, June 6-8, 2013 http://ispreberlin2013.com

- 2013 Co-President of the International Federation for Adipose Therapeutics and Science (IFATS) http://www.ifats.org
- Co-President of the Fifth International Conference of Regenerative Surgery which was held in Rome, December 13-15, 2013 http://www.regenerativesurgery.it and the next one in December 2014
- Served since September 2012 as Member of the Regenerative Medicine Task Force of the committee that organized the first **ASPS** Regenerative Medicine Summit in Miami, March 14-17, 2013 http://www.plasticsurgery. org/For-Medical-Professional/ Resources-and-Education/Meetings/ Regenerative-Medicine-Summit. html
- Co-Chairman of the 5th International Symposium of Fat Injection and Tissue Regeneration at the Fondazione G. Sanvenero Rosselli in Milan, September 14, 2013 http://222. fondazionesanvenero.org/icorso-140913.html
- Co-Chairman of the Plastic Surgery section of the Cell Society Europe Meeting in Marceilles, France, November 1-2, 2013 http://www. plastie-aphm.fr





Friday, 10:00 AM - 10:30 AM

oculoplastic surgical concerns related to anophthalmic patients who wear a prosthetic eye including: lower eyelid malposition, upper eyelid ptosis, and the superior sulcus defect. I also hope to address issues relating to implant-prosthesis coupling. Finally, I will discuss my view of the ideal

Board of Ophthalmology and is a Fellow of the American College of Surgeons. He is also a Fellow of the American Society of Facial Plastic and Reconstructive Surgery and served for over a decade as the Chairman of the Department of Ophthalmology at the largest hospital in Colorado. He teaches ophthalmic plastic surgery to physicians in training and has academic appointments as Assistant Clinical Professor of Ophthalmology and Clinical Instructor in Otolaryngology at the University of Colorado Health Sciences Center in Denver. Dr. Popham has written numerous scientific articles published in medical journals and has written several book chapters related to oculoplastic surgery. He recently co-authored the primary book used as a reference by physicians in training worldwide, Ophthalmic Plastic, Orbital, and Lacrimal Surgery, published by the American Academy of Ophthalmology. He has lectured nationally and internationally on topics related to cosmetic and reconstructive oculoplastic surgery.

Friday, 11:00 AM - 11:30 AM



A Multidisciplinary Approach to Managing Microtia & Átresia: A Surgeon's Perspective

Peggy Kelley, MD Attending Physician Pediatric Otolaryngology Director Vascular Malformation, Microtia & Voice Clinics

Aurora, Colorado, USA

surgery and family advocacy. Dr.

Abstract

"A Multidisciplinary Approach to Managing Microtia & Atresia: A Surgeon's Perspective" will provide information regarding the role of the surgeon and Medical Director in the Children's Hospital Colorado specialty clinic. Emphasizing the importance of family centered care, this specialty clinic provides patients and their families the unique opportunity to learn different treatment and rehabilitative options for microtia and atresia from a team that supports each individual child with his/her own needs. Surgical timing, concerns particularly for the child with bilateral microtia, results and lessons learned will describe the benefits and limitations of relying on carved cartilage for an external ear.

Biography

Peggy Kelley, MD is Medical Director of the Microtia Clinic at Children's Hospital Colorado. The Microtia Clinic is a team of audiology, anaplastology

Kelley performs microtia surgery for children who feel more complete with a live cartilage ear to balance the other side. She also places osteointegrated screws for Barbara Spohn-Lilo, the anaplastologist she practices with. Dr. Kelley's microtia experience started in her training with Dr. Vito Quatela who has microtia outreach clinics around the world. She first practiced in New Mexico where her exposure to microtia at a rate of 1:1200-1800 highly influenced her personal opinion that the only natural microtia ear that needs to be changed is one where the child feels that his/her inner self-perception does not match their outer appearance. This philosophy was an extension of the teaching of Dr. Quatela in her facial plastics training and meshes well with current family advocate team member and audiologist with microtia/atresia, Dr. Megan Hedman's life philosophy. Together, with Dr. Casey MacArthur, audiologist, and Barb Spohn-Lilo, anaplastologist, the Microtia Clinic team advocates

for early hearing augmentation and personalized selection of atresia and microtia management.

Dr. Kelley is Associate Professor in the Department of Otolaryngology- Head and Neck Surgery at the University of Colorado Health Sciences Center. She has been an attending physician in the Department of Pediatric Otolaryngology at Children's Hospital Colorado since 1998 and at the University of New Mexico from 1993-1998. Dr. Kelley earned her medical degree at the University of Pittsburgh, School of Medicine in Pittsburgh, Pennsylvania and completed her residencies at the University of Rochester in Rochester, New York. Her fellowship was completed in Pediatric Otolaryngology at Children's Hospital Medical Center in Cincinnati, Ohio. She is board certified by the American Board of Otolaryngology and serves as a member of the American Society of Pediatric Otolaryngology as well as the American Academy of Facial Plastic & Reconstructive Surgery.

CONFERENCE GENERAL SESSION



A Multidisciplinary Approach to Managing Microtia & Atresia: A Personal Perspective

Megan Hegman, AuD Audiologist Department of Audiology, Speech Pathology, and Learning Services

Abstract

"A Multidisciplinary Approach to Managing Microtia & Atresia: A Personal Perspective" will provide information regarding the role of the audiologist and family consultant in the Children's Hospital Colorado specialty clinic. Emphasizing the importance of family centered care, this specialty clinic provides patients and their families the unique opportunity to learn different treatment and rehabilitative options for microtia and atresia from a team that supports each individual child with his/her own needs. Furthermore, the significance of personal perspective, supportive relationships, and community resources will be discussed to encourage professionals to establish networks of care to best serve individual patients.

Biography

Dr. Megan Hedman joined the Bill Daniels Center for Children's Hearing as an Audiologist in June 2013 after receiving her Doctor of Audiology

Friday, 11:30 AM - 11:55 AM

Bill Daniels Center for Children's Hearing Children's Hospital Colorado Aurora, Colorado, USA

degree from the University of Colorado, Boulder in May 2013. She has been a member of the Microtia Clinic as a family consultant since May, 2007, as she has right-sided microtia and atresia herself. In 2012, Megan completed her fourth year externship and served as the audiology associate at Children's Hospital Colorado. Expressing interest in special populations, she joined the Sie Center for Down Syndrome clinic in November 2012. Subsequently, she joined the Vestibular Clinic in June 2013. As a result of her own hearing loss, she has taken much interest in pediatric audiology specializing in early intervention, educational access, and self-advocacy. In addition to her clinical interests, Megan has completed research related to Visual Reinforcement Infant Speech Discrimination (VRISD) and she volunteers as a Role Model through the Colorado School for the Deaf and Blind and Colorado Hands & Voices. Megan is a Fellow of the American Academy of Audiology.

Friday, 1:00 PM - 1:25 PM



Auricular Reconstruction: Autologous Vs Prosthetic: Are Auricular Prostheses Obsolete?

Marcelo Ferraz de Oliveira, DDS Director, Maxillofacial Prosthodontist and Anaplastologist Clínica De Groot Oliveira São Paulo, S.P., Brazil

Abstract

The purpose of this subject is to discuss the real indication of Auricular prostheses as compared to plastic reconstructive surgery. Are we behind the new surgical approaches? What is the real benefit of an auricular prosthesis, what is myth and what is reality.

Biography

2013 Vice-President of International Anaplastology Association

2007 Scientific Consultant, Nobel Biocare, Switzerland

2006-12 Board Member, P-I Brånemark Institute, Bauru, S.P, Brazil

Coordinator, Craniofacial Prosthetic Rehabilitation, P-I Brånemark Institute, Bauru, S.P, Brazil

2000 Director, Maxillofacial Prosthodontist

and Anaplastologist, Clínica De Groot Oliveira, São Paulo, S.P., Brazil.

1998-99

Scientific Consultant - Nobel Biocare -Brazil, S.P., Brazil.

1995-97

Maxillofacial Prosthodontist and Anaplastologist, Brånemark Osseointegration Center, Gothenburg, Sweden.

1991-94

Clinical duties outside of Residency with Cleft Lip and Craniomaxillofacial patients in the fields of prosthodontics, periodontics and osseointegration at The Hospital of Cleft Lip and Palate Research Rehabilitation, University of Sao Paulo, Bauru, Brazil.

CONFERENCE GENERAL SESSION

Panel Moderator:

The discussion plans to illustrate the importance of the team approach when offering reconstructive options to patients with soft tissue defects and deficiencies. Anaplastologists and surgeons work symbiotically to enhance treatment outcomes in autologous, autogenous, and prosthetic reconstruction. Panel specialists will speak to aspects of patient selection criteria for all options of reconstruction including: implant retained prostheses, autologous auricular reconstruction planning and surgery, and the future of tissue regeneration for the replacement of missing facial structures.

About the Moderator

Suzanne Verma is Assistant Professor with the Oral & Maxillofacial Surgery Department and Certified Clinical Anaplastologist with the Center for Maxillofacial Prosthodontics at Texas A&M University Baylor College of

Dentistry in Dallas, Texas. Her teaching responsibilities include directing a course in maxillofacial prosthetics for the graduate Prosthodontics department, and lecturing to the Oral Surgery residents, dental students, and Hygiene graduate program. Suzanne received a Bachelors' degree in Biological Pre-Medical Illustration from Iowa State University, and a Masters in Biomedical Visualization, wi th an emphasis in Facial Prosthetics from the University of Illinois at Chicago (UIC). Her clinical training experiences include UIC's Craniofacial Center, The Maxillofacial Prosthetics and Dental Oncology Department at the University of Nebraska Medical Center, and The Maxillofacial Unit Laboratory of Morriston Hospital in Swansea, Wales, UK, where she worked as a visiting Anaplastologist. Before arriving in Dallas, Suzanne worked as an Anaplastologist in

Friday, 1:25 PM - 2:10 PM

Reconstructive Options for Soft Tissue Defects and Deficiencies

Suzanne Verma, MAMS, CCA

Panelists: Sydney Coleman, MD Dr. Megan Hedman, Au.D Dr. Peggy Kelley, MD Dr. Marcelo de Oliveira, DDS

both research and clinical capacities with COMPRU, (now IRSM) in Edmonton, Alberta Canada. Her research interests on which she has lectured nationally and internationally include: Applications of navigational surgery in extra oral implant placement, Incorporations of advanced technology in craniofacial reconstruction, and Pre-surgical planning in autogenous auricular reconstruction. Suzanne is an active member of numerous field oriented associations, and serves as Vice President for the Board for Certification in Clinical Anaplastology.

Friday, 2:10 PM - 2:35 PM



Masking an Auricular Aeration Vent With Hair

Sarah Wisniewski James J. Peters VA Medical Center Bronx, New York, USA

Eric Asher James J. Peters VA Medical Center Bronx, New York, USA

Dr. Candice Zemnick James J. Peters VA Medical Center Bronx, New York, USA

Abstract

Patients with Implant Retained Auricular prostheses often require abutment aeration relief. This ventilation gap, while placed in the posterior aspect of the prosthesis, is objectionable to some patients and often hinders their overall satisfaction. Camouflage of this area with hair improves the cosmetic appearance and is reliable. This article will describe how to adhere loose hair strands in a manner that extends to the patient's hairline margin, optimally merging with existing hair, thus concealing the ventilation area.

Biography

A native of Lowell, Massachusetts, Sarah Wisniewski obtained a BFA in sculpture at the Massachusetts College of Art and Design, Boston, Massachusetts in 2011. Since graduation, she has applied her talent of 3D art to the design of maxillofacial prosthetics. She is presently in training in a program supported by the James J. Peters VA Medical Center, Bronx, New York in conjunction with Collumbia University Medical Center, New York.

CONFERENCE GENERAL SESSION

Anne-Marie Riedinger, MA Centre d'Epitheses Faciales Strasbourg, France

Abstract

Through case presentations, different options for the retention of bone anchored ear prostheses will be discussed.

28 years feedback with bar retention and clips and its technical evolution will be presented from surgery to final delivery. Implants position, bar shape, jaw movement management, front flap fitting, back space, ear canal position, acrylic plate, wearing glasses and appropriate silicones will be discussed case by case.

Steco and Technovent magnets that have been used over the years will be discussed.

For which cases is a magnetic retention appropriate?

appropriate?

What are the preferences and feedback of patients who switched from one system to another?

Conclusion

There is no perfect retention system. It is a matter of patient preference, abilities and activities, safety, design and aesthetics, comfort and confidence.

Biography

Anne-Marie Riedinger, Past President of the IAA (2009-2011) is an IAA member since 1988. She graduated in Medical Art from the Ecole Supérieure des Arts Décoratifs de Strasbourg, France, where she eventually became a teacher (1996-2000). She specialized

Friday, 2:35 PM - 3:00 PM

Bone Anchored Ear Prostheses: Bar and Clips Versus Magnents

For which cases is a gold bar and clips

in facial prosthetics at the University of Illinois at Chicago. Anne-Marie introduced facial bone anchored prostheses in France in 1986, and has mainly worked in Paris and Strasbourg. She is the owner of the Centre d'Epithèses Faciales based in Strasbourg, France.

Her areas of interest are facial boneanchored prosthetics, education, and communication. She gave specialized lectures and workshops and treated patients at the Branemark Institute, Bauru, Brazil, and in Tampa, Florida. In addition Anne-Marie served as the Program Chair of the 24th IAA Congress in Paris, France, in 2009.

She is also an international consultant for bone anchored surgery, has given lectures, workshops, and has written a number of articles in the field.

Friday, 3:00 PM - 3:20 PM



Osseointegrated Implants and the Rehabilition of the Microtia Patient

Susan W. Habakuk, MEd, CCA University of New Mexico, Department of Surgery Albuquerque, New Mexico, USA

Purpose

Research on and clinical application of the osseointegrated implant over the past four decades have expanded the successful use of the tissue integrated concept to provide patients with craniofacial protheses that restore their self image. The purpose of this presentation is to focus on the collaborative efforts of the clinical anaplastologist and the otolaryngologist to rehabilitate the microtia patient through the combined use of the BAHA(R) and bone anchored auricular prostheses.

Methods and Materials

Selected congenital case studies illustrating prosthetic rehabilitation through the use of osseointegrated implants using the team approach will be discussed. Topics that will be addressed include: patient selection, presurgical planning, surgical procedures, impression taking, sculpting, coloring technques, mold making and casting, hygiene procedures and follow up care.

Results

The outcome of this presentation demonstrates the successful prosthetic rehabilitation of patients with microtia through use of the osseointegrated craniofacial implants.

Conclusions

This presentation emphasizes the importance of the use of the team approach throughout each step of the treatment plan in order to achieve optimal clinical results.

Clinical Implications

The audience will achieve a better undertanding of the clinical application of osseointegrated craniofacial implants to successfully treat patient with microtia who are candidates of bone anhored sound processors and auricular protheses.

Biography

Susan Habakuk received her Bachelor of Science Degree in Medical Art at the University of Illinois in Chicago where she specialized in 3D

Ten years later she received her Masters Degree in Medical Education from the University of Illinois Medical Center in Chicago. She practiced clinically at the the UIC Craniofacial Center as a member of the craniofacial rehabilitation team for over thirty years and more recently at the the University of New Mexico in Albuquerque where she is freelancing as a clinical anaplastologist. Her teaching, research and clinical interests focus on the use of osseointegrated implants for facial restoration and rehabilitation. The graduate program in clinical anaplastologist/medical art that she directed at the University of Illinois at Chicago has gained international recognition for setting the standards in the field of anaplastology. She has presented lectures and workshops on implant retained facial prosthetics extensively, nationally and internationally as well as presented papers on her research interests, clinical experience and the role of the anaplastologist in the rehabilitation of the facially disfigured patient.

medical models and facial prosthetics.

CONFERENCE GENERAL SESSION



Gina Cohen Aesthetic Prosthetics Pasadena, California, USA

Abstract

Wax try-ons can be cumbersome and fragile in sculptural evaluation of patients receiving an auricular prosthesis. This is especially true in cases involving large remnants that must be covered by the prosthesis for optimal aesthetics to be achieved. This presentation will describe the process for creating a flexible silicone try-on and discuss the benefits for both patient and practitioner.

Friday, 3:50 PM - 4:10 PM

Use and Creation of a Quickly Generated Silicone Try-On for Auricular Prostheses

Biography

Anaplastologist, Gina Cohen joined Aesthetic Prosthetics in August 2008, after completing the Maxillofacial Prosthetic Technician Training Program at Columbia Presbyterian and the Bronx Veterans Medical Center in New York. Prior to that, she earned a Bachelors of Arts degree at Florida State University and a Masters of Fine Arts degree in Sculpture at the New York Academy of Art.

Friday, 4:10 PM - 4:30 PM

A Novel Approach to Osseointegrated Auricular Prosthesis Retention

David Trainer, CCA Center for Custom Prosthetics Naples, Florida, USA

Dr. Drew Schnitt Cleveland Clinic Fort Lauderdale, Florida, USA

CONFERENCE GENERAL SESSION



Michaela Calhoun, MS Prosthetics at Graphica Medica, LLC Rochester, Minnesota, USA

Abstract

The application of extraoral implants for the prosthetic rehabilitation of auricular defects is widely accepted. The traditional technique of implant retention using bar and clip or magnets has become a financial factor for insurance carrier or the patient. In an effort to reduce the cost for the retention we will present a new approach for auricular prosthesis retention using the Baha® (bone anchored hearing aid) snap attachment which promotes ease of hygiene and improved retention for active patients.

Biography

Situated in the US since 1999, working at Factor II developing new materials for the anaplastology field. Then moved to Naples, Florida to become co-owner of The Center for Custom Prosthetics. Currently working with all the major hospital units in Southwest Florida.

Abstract

A white bandage in the middle of the face is an invitation for curiosity. For the individual who has just undergone the removal of his nose - and with it, the loss of part of his identity – and is now facing five weeks of radiation therapy; difficulty eating; a painful, red, and swollen face; and the looming worry that his battle with cancer is not yet over, puzzled looks and questions from strangers is an unnecessary burden. For this reason, interim nasal prostheses have been incorporated as part of the overall prosthetic treatment protocol for many years, although not without debate.

The purpose of this presentation is to discuss my recent experiences with interim nasal prostheses, the pros and cons of this treatment option, and important contraindications to interim treatment. I will present six cases, which illustrate various aspects of interim nasal prosthetic treatment worthy of discussion. I hope to shed some light on this optional treatment protocol, which can greatly improve a patient's quality of life.

Friday, 4:30 PM - 4:50 PM

Interim Nasal Solutions: Shedding the White Bandage

Gillian Duncan, MS, CMI, CCA Prosthetics at Graphica Medica, LLC

Rochester, Minnesota, USA

Biography

Michaela Calhoun is an anaplastologist living and working in the Twin Cities area of Minnesota. After earning a Bachelor of Fine Arts and a Master of Science degree in Biomedical Visualization at the University of Illinois at Chicago, she moved back to her native upper Midwest and joined the team at Prosthetics at Graphica Medica, LLC in January 2011. Michaela is also the current Chair of the Walter Spohn Educational Fund (WSEF) Committee, a group that administers grants from a fund within the Vesalius Trust. Through her work as a clinical anaplastologist and in her capacity as a member of the WSEF, she hopes to continue her support of high quality clinical care and scientific research in the field of anaplastology.

Friday, 4:50 PM - 5:10 PM



Exploring Use of Advanced Technologies in the Treatment Workflow

Juan R. Garcia, MA, CCA Johns Hopkins University Facial Prosthetics Clinic Baltimore, Maryland, USA

Abstract

Case examples will be used to illustrate how different advanced technologies can be used to plan for and execute prosthetic treatment of patients. Among the technologies that will be discussed: are BrainLab Virtual Case Plannning and Image Guided Surgery, Photogrammetry, ZBrush Digital Sculpting, and 3D Printing.

Biography

Juan R. García, MA, CCA is a Certified Clinical Anaplastologist and an Associate Professor in the Johns Hopkins University School of Medicine, Department of Art as Applied to Medicine. Since 1997, Mr.

García has served as the Director of the Johns Hopkins Facial Prosthetics Clinic, working with patients requiring custom prosthetic services for the treatment of acquired and congenital defects of the face and body.

Mr. García received his Master of Arts degree in 1995 from JHU SOM. He holds both Bachelor of Fine Art and Bachelor of Science degrees from the University of Miami, Florida. Over the years, he has served in various committee roles for the International Anaplastology Association. He is a Past President of the IAA, and is currently the Vice President of the Board for Certification in Clinical Anaplastology.



Jan De Cubber, CDT Anaplastologist Centre for Craniofacial Epithetics Brussels & Gent, Belgium Maastricht, Netherlands

Silicones appear in many different physical conditions from volatile cyclomethycones to high consistency silicones. The physical properties of these silicones differ from the regular silicones used for the production of facial epitheses. But also the manipulation technique of this kind of silicone is different.

The possible direct modeling into non-vulcanized silicones gives unique possibilities.

Digital Fit and Fabrication of Sockets

Thomas Most, CP Certified/Licensed Prosthetist Board Eligible orthotist CAD/CAM operator Scheck and Siress Chicago, Illinois, USA

I find the best fit of the prosthesis is by scanning/digitizing the area involved, as molding by it's nature distorts soft tissue. If a portable scanner isn't available, a traditional cast can be taken, and digitized later. In the case of a socket, I then use CAD to modify the file according to the type needed, and incorporating any other components, (such as shuttle locks), then export to another software to hollow, or shell, the file in order to print only what I need. Once the print comes off the machine, it can be fit traditionally, and the patient walked on the socket (backed up with a temporary fiberglas wrap). 3D printed sockets can still be modified to an extent, if needs be. Once alignment and fit are established, the printed socket (minus the fiberglas wrap) are incorporated into the traditional final lamination. The benefits are half the cost/ half the weight of a traditional lamination, with increased tensile strength.

CONFERENCE GENERAL SESSION: TECHNIQUES SHOWCASE Thursday, 4:00 PM - 5:40 PM

The Implementation of High-Consistency Silicones in the Production of Facial Epithetics

CONFERENCE GENERAL SESSION: TECHNIQUES SHOWCASE Thursday, 4:00 PM - 5:40 PM



Application of ZBrush for Anaplastology

Ales Grygar, MgA, IAA ING Corporation, Frydek-Mistek, Czech Republic

The showcase will be focused on using Zbrush software (Pixologic, Inc.) and 3D printers for Anaplastology (upper limb prostheses and facial prostheses).

Conference attendees will go during the demonstration through the following processes:

- Importing patient's 3D data into ZBrush software (data from 3D scanning or segmentation of CT/ MRI data)
- Digital sculpting of a prosthesis from scratch

- Modification of existing virtual 3D model of a facial part (nose, eye, ear) or an upper limb part (hand, forearm, whole upper limb)
- 3D visualization of a fitted prosthesis
- Virtual surgical planning for facial prostheses
- Preparing data for 3D printing
- Demonstration of 3D printed models (powder/glue, ABS and wax models)

CONFERENCE GENERAL SESSION: TECHNIQUES SHOWCASE Thursday, 4:00 PM - 5:40 PM

Bar Soldering

Paul Tanner, MBA, CCA Certified Clinical Anaplastologist Huntsman Cancer Hospital at the University of Utah Salt Lake City, Utah, USA

The conventional method of soldering a pre-fabricated gold alloy rod/bar is inefficient and takes several hours of work. I will present the technique of soldering the rod to the gold cylinders using a flux/solder paste with no investment of the bar. A double third hand benchtop soldering station is used to hold the cut rods in place. After the bar is soldered and the wax prototype is sculpted, the acrylic substructure can be poured.

Extrinsic Color

Paul Tanner, MBA, CCA Perhaps the greatest challenge of making a realistic prosthesis is matching the color and translucency. Spectrophotometry can help you evaluate and improve your coloring technique. Bring your color palette and practice external painting.



Photogammetry in Anaplastology

Juan Garcia, MA, CCA

The Johns Hopkins University School of Medicine, Facial Prosthetics Clinic Baltimore, Maryland, USA

Eduardo Arias, BFA

The Johns Hopkins University School of Medicine, Facial Prosthetics Clinic Baltimore, Maryland, USA

This demonstration will preview the use of photogammetry for 3D scanning of faces. Photogammetry uses photographs to generate 3D models. Anyone with access to a commercial photographic camera and a reasonable photographic lighting setup can create a highly detailed 3D model. The methods shown represent a practical and inexpensive solution to incorporate a digital workflow.



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USA - Factor II Inc Tel: 928 537 8387 sales@factor2.com

UK - Technovent Ltd Tel: +44 (0)1656 768566 info@technovent.com

CONFERENCE GENERAL SESSION: POSTER PRESENTATIONS Thursday, 4:00 PM - 5:40 PM

A Complex Mid-Face Patient Case

Anne-Marie Riedinger, MA Centre d'Epitheses Faciales Strasbourg, France

Evaluation of Experiential Development of Patients at Theocular Prosthesis: Use of Focusing Technique in Clinical Care

Marília Souza da Silveira Oculart - Confecção e Adaptação de Prótese Ocular Belo Horizonte / Minas Gerais - Brasil

Cristiano Mauro Assis Gomes Universidade Federal de Minas Gerais Belo Horizonte / Minas Gerais - Brasil

Use of a Nasal Conformer in the Prosthetic Rehabilitation of a Combined Tip Columella Defect

Pattii Montgomery MD Anderson Cancer Center, Maxillofacial Prosthodontic Fellow Houston, Texas, USA

Digital Sculpting in Anaplastology – **Application of ZBrush for Facial Prosthetics**

Ales Grygar, MgA, IAA ING Corporation Frydek-Mistek, Czech Republic

Jiri Rosicky, ME, PhD, CPO **ING** Corporation Frydek-Mistek, Czech Republic Ortopedicka Protetika Frydek-Mistek, Czech Republic

Reconstruction of Cancer Caused Facial Defects and Microtia with Magnet Connected Extra Oral Implant **Based Prostheses**

Florian Raithel Anaplastologist Epithetik Zentrum Hockenheim, Germany

Prf. Dr. Robert Sader

Department for Oral, Craniomaxillofacial and Facial Plastic Surgery; Institute of Pathology Goethe University of Frankfurt Frankfurt, Germany

Dr. Shahram Ghanaati

Department for Oral, Craniomaxillofacial and Facial Plastic Surgery; Institute of Pathology Goethe University of Frankfurt Frankfurt, Germany

Photogrammetry in Facial Prosthetics

Eduardo Arias, BFA

The Johns Hopkins University School of Medicine, Facial **Prosthetics** Clinic Baltimore, Maryland, USA

Juan Garcia, MA, CCA

The Johns Hopkins University School of Medicine, Facial **Prosthetics** Clinic Baltimore, Maryland, USA

POST CONFERENCE PROGRAM

IAA Post-Conference Course May 31-June 1, 2014

Saturday, May 31, 2014

Day 1 Osseointegrated Prostheses | Location: Cochlear Americas Headquarters

8:00-8:30	Bus to Cochlear	
8:30-8:40	Opening Remarks	
8:40-9:10	Dennis Bellet, RN, BSN, CCRN	Introduction
9:10-9:50	Bradley Patrick Pickett, M.D.	Craniofacial Ossseointegration: Surgical Considerations in Implant Placement and Soft Tissue Management
9:50-10:10	Susan Habakuk, MEd, CCA	Patient Selection and Conventional Pre-Treatment Planning
10:10-10:20	Peter Evans, MIMPT	Digital Preoperative Planning Yielding Rapid Prototyped Surgical Guides
10:20-10:30	Suzanne Verma, MAMS, CCA	Pre-Operative Planning and Intraoperative Navigation with the Stryker System
10:30-10:40	Juan Garcia, MA, CCA	Pre-Operative Planning Using the Brain Lab Navigation System
10:40-11:10	Break	
11:10-12:10		Temporal Bone Lab
12:10-12:25	Break	
12:25-1:25		Orbital Implant Placement on Models
1:25-3:00	Lunch and Tour	
3:00-3:30	Bus returns to hotel	
3:30-4:00	Peter Evans, MIMPT	Zygomatic Implants in the Midface and the Surgicase System
4:00-4:30	Marcelo Ferraz de Oliveira, DDS	Dental Implants in the Midface
4:30-5:30	John McFall, Peter Evans, MIMPT Mark Waters, PhD, David Trainer, CCA	Magnetic Retention

Key Topics of Concentration for Day 1

- Treatment Planning for Prosthetic Reconstruction of Auricular, Nasal and Midface Defects
- Introduction to Digital Implant Planning and Methods of Transferring Planning into Operating Room
- Hands on Training for Surgical Techniques in Implant Placement and Flap Preparation

POST CONFERENCE PROGRAM

Presenters

Bradley Patrick Pickett, M.D.

Director of Otology/Neurotology Otolaryngology/Head & Neck Surgery Department of Surgery University of New Mexico School of Medicine Albuquerque, New Mexico, USA

Dennis Bellet, RN, BSN, CCRN Regional Training Specialist Cochlear Americas Denver, Colorado, USA

Susan Habakuk, MEd, CCA See page 34.

Suzanne Verma, MAMS, CCA See page 23. Peter Evans, MIMPT See page 13. Juan Garcia, MA, CCA See page 38. Marcelo Ferraz de Oliveira, DDS

See page 30.

John McFall, See page 13. Mark Waters, PhD, See page 13.

David Trainer, CCA, See page 36.

Bradley Pickett, MD is a board certified Otologist/Neurotologist with over twenty years of experience specializing in cochlear implants and bone anchored surgeries. He is the Director of Otology and Neurotology in the Department of

Surgery at University of New Mexico School of Medicine in Albuquerque, New Mexico. He received his doctorate in medicine from Dartmouth Medical School and completed his general surgery and otolaryngology residencies at Walter Reed Army Medical Center in Washington, DC. Dr. Pickett is actively involved in several medical societies, including the American Academy of Otolaryngology, where he participates in the Head & Neck Surgery Skull Base Committee and the Neurotology Education Committee. Dr. Pickett's research interests include the epidemiology of Aural Atresia in Native American and Hispanic Populations.



POST CONFERENCE PROGRAM

Sunday, June 1, 2014

Day 2 Digital Sculpting in Zbrush | Location: UCDenver Digital Animation Lab and 3D Systems - Medical Modeling

8:30-8:45	Walk to Lab
8:45-9:45	Introduction to the Zbrush Interface
9:45-10:05	Break
10:05-11:35	Sculpting in Zbrush
11:35-12:20	Lunch
12:20-1:45	Sculpting Input and Output
1:45-2:00	Break
2:00-2:30	Bus to 3D Systems-Medical Modeling
2:30-5:05	Tour and Demonstrations of 3D Printing
5:05-5:35	Bus to Hotel
5:35-7:00	Closing Reception Sponsored by 3D Systems-Medical Modeling

Key Topics of Concentration for Day 2:

- Introduction to Zbrush Interface
- Digital Sculpting in Zbrush
- Data Import and Export in Zbrush (DICOM and 3D scanning)
- Introduction to Scanning and Digital Design with Geomagic Touch Haptic Technology
- Introduction to 3D Printing/Additive Manufacturing Technology Stereolithography & ColorJet Printing

Presenters

See pag 38.

Charles Wesley Price, MS, CMI Associate Professor Media Arts Art Institute of Colorado Denver, Colorado, USA

Juan Garcia, MA, CCA

Amanda Y. Behr, MA, CMI, FAMI Assistant Professor Department of Medical Illustration Georgia Regents University Augusta, Georgia, USA

Andy Christensen Vice President Personalized Surgery & Medical Devices 3D Systems - Medical Modeling Golden, Colorado, USA

Biography

"Wes" Price earned his master of science degree in medical illustration from the Medical College of Georgia and earned his Certification in 2011. He is an associate professor of media arts and animation at the Art Institute of Colorado where he was named "Faculty of the Year" in 2011. Wes is also the membership director for ASIFA-Colorado, a non-profit organization devoted to cultivating the art and profession of animation in Denver. In his free time, Wes enjoys snowboarding, hiking and camping in the Colorado Rockies.

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anning) nagic Touch Haptic Technology chnology - Stereolithography & ColorJet Printing

Amanda Y. Behr is an Assistant Professor and Anaplastologist at Georgia Regents University's Department of Medical Illustration. Amanda serves the IAA as Vice President and is a member of several committees. Amanda received her master's degree from The Johns Hopkins University School of Medicine program in Biological and Medical Illustration. She completed internships in anaplastology at The Johns Hopkins Facial Prosthetics Clinic and Graphica Medica in Rochester, Minnesota. Amanda's research interests lie in finding cost effective and practical ways to integrate threedimensional technology into the field of Anaplastology.

Denver Attractions

Great things to see and do in and around Denver, Colorado!

Founded in 1858 as a gold mining camp, Denver is a thriving metropolis rich in history and culture. This town has something for everyone from art and culture to history, shopping, sports, adrenaline fixes, beauty, gambling, food and music.

> • Denver Art Museum • 16th Street Mall

• U.S. Mint

• Larimer Square • Clyfford Still Museum

• Denver Zoo

Confluence Park

• Elitch Gardens

• Heritage Square

• Dinosaur Ridge

Downtown Aquarium

Convention Center

• Fossil Trace Golf Club

• Red Rocks Amphitheater

• Cabela's – World's Foremost

Coors Field Baseball Stadium

• Molly Brown House Museum

Colorado State Capital Building

• The Children's Museum of Denver

• The Blue Bear at the Colorado

• The LoDo Historical District

History Colorado Center





Coors Field Baseball Stadium



Molly Brown House Museum





- Heritage Square
- Coors Brewery Tour
- Cherry Creek Shopping District



TRACTOR LETTERAL The LoDo Historic Disctrict





Blue Bear at the Colorado Convention Center



Fossil Trace Golf Club



Cherry Creek Shopping District

Colorado State Capital Building



Rocky Mountain National Park



Red Rocks Amphitheater

Map of Denver



Tuesday, May 27

Wednesday, May 28

7 am	7 am —	Dogistus	tion Open
7:30 —	7:30 —	7am–12 pr	n and 4–7 pm
8 am	8 am —	Loosen Up: Exploring	Complex Mold-making and
8:30 —	8:30 —	Sculptural Creativity 8–9:45 am Rotation 1A	Tips from Special Effects 8–9:45 am Rotation 1B
9 am —	9 am —		
9:30 —	9:30 —		
10 am —	10 am —	Coffee Break	• 9:45-10:10 am
10:30 —	10:30 —	Loosen Up: Exploring Sculptural Creativity	Complex Mold-making and Tips from Special Effects
11 am —	11 am —	Rotation 2A	Rotation 2B
11:30 —	11:30 —		
12 pm —	12 pm —		
12:30 —	12:30 —	Lunch on your own	1 • 11:55 am – 1:15 pm
1 pm	1 pm —		
1:30 — BCCA Exam 1:00-4:00 pm	1:30 —	Ocular Fitting 1:15-3:00pm	Silicone and Magnetic Retention 2014
2 pm	2 pm 🛛 🔄	Rotation 3A	Rotation 3B
2:30 —	2:30 —		
3 pm	3 pm 🔄	Coffee Brea	ik • 3−3:25 pm
3:30 —	3:30 —		·
4 pm	4 pm —	Ocular Fitting 3:25-5:10pm Rotation 4A	Silicone and Magnetic Retention 2014 3:25-5:10pm
4:30	4:30 —		Rotation 4B
5 pm	5 pm		
5:30 —	5:30 —		
6 pm	6 pm 🛛 🔤		
6:30	6:30 —	weicome Rece	μισπ • ο– <i>1:3</i> 0 pm
7 pm	7 pm 🛛		
7:30	7:30 —		
8 pm	8 pm		

	Thursday, M	ay 29
7 am —		
7·30	Continental I 7-8 ar	m
7.50		
8 am —	President's Address	and Welcome
8:30 —	Keynote– Cance	r Outlooks:
9 am —	Advances and 1 8:20-9:05	am
9.30	Speed Mixing Technology 9:05–9:	for Anaplastology Labs 30 am
9.50	Designs of Prosthetic Up 9:30–9:1	pper-Lip Replacements 55 am
10 am —	Fast Take Sponso 9:55–10:	r Presentations
10:30 —	Coffee Break • 10	:15-10:35 am
11 am —	Keynote – Reconstruct and the Evolution of Hu	ting Ancient Faces man Facial Expression
11.20	The Hands That	Never Retired
11:30 —	11:20 – 11	1:50 am
12 pm —	Fitting for Ocular Case	• 11:50 am – 12:10 pm
12:30 —	12:10 – 2:15 pm	Anaplastologist 12:10-1:00 pm
1 pm —		
1:30 —		Board Meeting 1:00-2:15 pm
2 pm 🛛 —		
2:30 —	Marketing in Healtho	: are ∙ 2:15 – 2:45 pm
3 pm 🛛	Fitting a Short Residual	Thumb • 2:45 – 3:10 pm
3:30 —	FPanel on Technolo	gy • 3:10 – 4:00 pm
4 pm 🛛 —		
4:30 —	Techniques Showcase 4:00 –5:50 pm	Coffee and Refreshments 4:00 – 5:50 pm
5 pm 🛛 —	Poster Presentations 4:00 –5:50 pm	
5:30 —		
6 pm 🛛 —		
6:30 —		
7 pm 🛛 📖		
7:30 —		
8 pm 💷		

Tuesday, May 27		Wednes	sday,
7 am	7 am —	Registra	tion 0
7:30 —	7:30 —	7am–12 pr	n and 4
8 am —	8 am —	Loosen Up: Exploring	Comp
8:30 —	8:30 —	Sculptural Creativity 8–9:45 am Rotation 1A	Tips
9 am —	9 am —		
9:30 —	9:30 —		
10 am —	10 am —	Coffee Break	• 9:45-
10:30 —	10:30 —	Loosen Up: Exploring Sculptural Creativity	Comp Tips
11 am —	11 am —	Rotation 2A	
11:30 —	11:30 —		
12 pm —	12 pm —		
12:30 —	12:30 —	Lunch on your own	1 • 11:5
1 pm	1pm —		
1:30 — BCCA Exam 1:00-4:00 pm	1:30 —	Ocular Fitting 1:15-3:00pm	Silie
2 pm	2 pm —	Rotation 3A	
2:30	2:30 —		
3 pm	3 pm —	Coffee Broo	
3:30	3:30	Coffee Brea	i K • 3−:
4 pm	4 pm —	Ocular Fitting 3:25-5:10pm Rotation 4A	Sili
4:30 —	4:30 —		
5 pm	5 pm —		
5:30 —	5:30 —		
6 pm	6 pm		
6:30 —	6:30 —	Welcome Recep	ption •
7 pm —	7 pm —		
7:30	7:30		
8 pm	8 pm		

, May 28

Dpen 4–7 pm

plex Mold-making and s from Special Effects 8–9:45 am Rotation 1B

-10:10 am

plex Mold-making and s from Special Effects 10:10–11:55 am Rotation 2B

55 am – 1:15 pm

icone and Magnetic Retention 2014 1:15-3:00pm Rotation 3B

3:25 pm

icone and Magnetic Retention 2014 3:25-5:10pm Rotation 4B

• 6–7:30 pm

Thursday, May 29

7 am 🛛 —		
	Continental E	Breakfast
7:30 —	7-8 ar	n
8 am —		
	President's Address	and Welcome
8:30 —	0-0.20 a	
	Reynote – Cancer Advances and t	r Outlooks: the Future
9 am —	8:20-9:05	am
	Speed Mixing Technology	for Anaplastology Labs
9:30 —	9:05–9:	su am
	Designs of Prosthetic Up	per-Lip Replacements
10 am —	Fast Take Sponso	r Presentations
	9:55-10:	:15 am
10:30 —	Coffee Break • 10	:15-10:35 am
	Keynote – Reconstruc	ting Ancient Faces
11 am —	and the Evolution of Hu	man Facial Expression
	10:35 -11	Never Defined
11:30 —	11:20 –11	I:50 am
12 pm —	Fitting for Ocular Case	• 11:50 am – 12:10 pm
-	Lunch on your own	Billing for the
12:30 —	12:10 – 2:15 pm	Anaplastologist
		12.10-1.00 pm
1 pm —		
		Board Meeting
1:30 —	-	1:00-2:15 pm
2 pm —	-	
2:30 —	Marketing in Healtho	: are • 2:15 – 2:45 pm
3 pm —	Fitting a Short Residual	Thumb • 2:45 – 3:10 pm
3:30 —	FPanel on Technolo	gy • 3:10 – 4:00 pm
4 pm —		
	Techniques Showcase	Coffee and
4:30 —	4:00 –5:50 pm	Refreshments
		4:00 –5:50 pm
5 pm —	Poster Presentations	
	4:00 – 5:50 pm	
5:30 —		
6 pm	-	
6:30 —		
7 pm -		
. יייא		
7:30		
8 pm —		



Notes

Notes

International Anaplastology Association // 28th Annual Educational Conference Denver

Brozil 2015

SAVE THE DATE

International Anaplastology Association 29th Annual Educational Conference Rio de Janeiro, Brazil 2015 MAY 13 – 16, 2015



