



## Division of Plastic and Reconstructive Surgery

# THE CRANIOFACIAL CENTER CHRONICLE



Dr. Mimis Cohen

### MESSAGE FROM THE MEDICAL DIRECTOR

2017 was a very good year for our Craniofacial Center. First and for most our Center recently received a full 5 year re-accreditation by the Commission on Approval of Teams (CAT) of the American Cleft-Palate Craniofacial Association as a Cleft Palate Team (CPT) and Craniofacial Team (CFT) effective January 1<sup>st</sup>, 2018. This is a great recognition and I would like to take the opportunity to thank all our providers for their dedication and hard work in providing state of the art, cutting edge multidisciplinary and compassion care to our patients.



As you might be aware, thanks to the generous support given to us by the Metzenmacher Trust, we were able to complete the renovations of our reception and waiting room areas. We now have a beautiful, colorful children friendly environment and it is a great joy to observe our patients playing while waiting for their clinic visits. We held an open house in March which was attended by over 100 people including the leadership of UIC and Face the Future Foundation and many friends. Unfortunately our facility is aging and a major project will start shortly for placement of the heating, ventilation, and air conditioning (HVAC) in the entire building. This will require temporary closing of areas of our Center with some disruption in our services. We want to apologize in advance to our patients, families and guest for possible inconveniences and hope that by summer we will have and even better facility to serve our patients.

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The Face the Future Foundation Gala was held in March and was probably the most successful fundraising event that I can remember.

## MESSAGE FROM THE MEDICAL DIRECTOR CONTINUED

Participants were extremely generous but also had a lot of fun; the dancing floor was packed!! Thank you president Rob Grant, Isabel and Gus Abello Gala co-chairs and all The Face the Future Board members and volunteers for your tireless efforts and support of our mission.

July is Cleft awareness month and thanks to the Associate Board of The Face The Future Foundation and Michelle Krage of Star Events, in particular a Sunday picnic was organized. The event was very successful with over 160 attendees and gave the opportunity for fun games and good food to all participants. Thank you all.

New staff members joined our team this year including Dr. Lee Alkureishi, plastic surgeon and microsurgeon, and Stacy Cash, speech and language pathologist, Linda Duffy, clinic nurse, Nayda Alvarez, customer service specialist and Nancy Muros, medical office assistant.

A beautiful documentary on our patient Fabian Bautista was prepared by WGN anchor Lourdes Garcia and aired in early December. She followed the patient and his family not only at the Center and the operating room but also in their home and school and presented a moving success story of this young man who has been our patient since birth, underwent several reconstructive procedures and other treatments over the years. He is now ready to graduate from high school in the spring ,mature, healthy, and eager for a successful life. Good luck in college Fabian. We are very proud of you and your achievements!!!

The annual holiday party was without question the best ever. Over 500 Center patients and their families attended. They had the opportunity to celebrate the holiday season, enjoy and have fun in a beautifully decorated room and receive presents from Santa. A great event and again thank you Michelle and The Face the Future Foundation board members and volunteers for giving so much joy to our patient

I hope the New Year will bring happiness and health for all and I wish you all the best.

## THE CRANIOFACIAL CENTER IN THE NEWS

WGN — Fabian Bautista had a big reason to smile when he recently celebrated his 18<sup>th</sup> birthday. Born with a double cleft palate, he's spent his life going through a number of surgeries — he thinks around 15, but he's lost track — but he's near the end of his journey with the UI Health Craniofacial Center where he's received treatment since he was a baby. WGN reporter Lourdes Duarte followed Fabian over the past six months — through one of his final surgeries, follow-up appointments, family events, and the big moment when he finally got his braces off. This segment aired on December 12, 2017. To watch the video please use this link: <http://wgntv.com/2017/12/12/teen-born-with-double-cleft-palate-has-last-surgery-after-17-years/>.



NBC — On Wednesday December 13, 2017, Face the Future Foundation and Dr. Pravin Patel were interviewed by NBC on the Making a Difference Segment. NBC reporter LeeAnn Trotter interviewed two patients and their families with craniofacial differences. She also talked to Dr. Patel as he was consulted on the movie “Wonder” featuring a boy with treacher collins syndrome. To watch the video please use this link: <http://bit.ly/2C6OWbQ>.

## MAXILLOFACIAL PROSTHETICS BY DR. DAVID REISBERG

Maxillofacial Prosthetics is the dental specialty involved in the functional and cosmetic rehabilitation children and adults with congenital or acquired craniofacial conditions. These may be cleft lip and or palate, head and neck cancer, or craniofacial trauma. Since the 1960s, the maxillofacial prosthodontist has been an integral part The UIH Craniofacial Center team; contributing expertise in speech, chewing, swallowing, and oral and facial aesthetics to improve the quality of life for our patients.

Dr. David Reisberg, Director Emeritus of The UIH Craniofacial Center (CFC) has been at The Center since 1981. He has served as Director of the Maxillofacial Prosthetics Clinic since then and was Director of The Craniofacial Center from 1998 through 2010.

Recently, Dr. Reisberg served as Program Chair of the Fourth Joint Conference of the International Society for Craniofacial Rehabilitation (ISMR) and the American Academy of Maxillofacial Prosthetics (AAMP) held in San Francisco from October 28-31. The theme was “Bridging the Gap, “ intended to bring researchers and clinicians from around the world together to share information and improve the quality of patient care.

Joining a list of internationally-renowned speakers on the program were Dr. Pravin Patel, Chief of UIH Craniofacial Surgery; Dr. Linping Zhao, CFC’s Director of Research; CFC Senior Anaplastologist Rosemary Seelaus and Anaplastologist/Ocularist Eduardo Arias; and Dr. Janine Rosenberg, CFC Psychologist.

Dr. Reisberg is also a past president of the ISMR and president-elect of the AAMP.



Drs. David Reisberg, Pravin Patel, and Linping Zhao attending the Fourth Joint Conference of the International Society for Craniofacial Rehabilitation (ISMR) and the American Academy of Maxillofacial Prosthetics (AAMP) held in San Francisco from October 28-31, 2017.

## OUTCOMES AND QUALITY of LIFE PROTOCOL: THE CFC EXPERIENCE

BY DR. JANINE ROSENBERG

Gathering and analyzing Treatment Outcome, Mood, and Quality of Life data helps clinicians provide better quality of care. It is important to know if patient expectations are being met as well as which procedures are beneficial and which ones need to be altered. In the current health care environment, medical insurance coverage and levels of reimbursement are becoming more dependent on patient satisfaction. Developing and managing a protocol to assess patient outcome, mood, and quality of life could be time consuming and labor intensive, although ideal. Therefore, there are many instruments already available in addition to the ability to develop new ones that could assist in formulating the most effective protocol.

The Craniofacial Center at The University of Illinois Hospital and Health Sciences System is an interdisciplinary team of medical and dental specialists and allied health professionals. This team cares for pediatric and adult patients with congenital and acquired craniofacial conditions that affect function and appearance. The Maxillofacial Prosthetics Clinic (MXP) within The Center fabricates oral, facial, and ocular prostheses. MXP has developed a protocol for measuring treatment outcomes, quality of life, and overall patient satisfaction with the care they have received. This protocol makes use of existing survey instruments, is easy to administer, and the results can be easily reviewed and collated.

This protocol proposal was presented at the International Society for Maxillofacial Rehabilitation and American Academy of Maxillofacial Prosthetics in October 2017 in San Francisco, California. This presentation related the CFC experience in establishing and maintaining this protocol as a means of monitoring and improving patient care. We plan to continue with this protocol within this population so that we can provide the best clinical and quality care for our patients .



## THE FACE THE FUTURE FOUNDATION 2017 PATIENT PICNIC BY ALMA MOYA

In celebrating Cleft and Craniofacial Awareness Month, The Face the Future Foundation (FFF) sponsored its' 2nd annual summer picnic for the UI Health Craniofacial Center's patients and their families located in Chicago. This year there were over 160 patients and family members who attended the picnic. They enjoyed activities, games, and multiple inflatables such as a slide, bouncing castle, bungee run, and basketball. There was a food truck stocked with a variety of foods and Italian ice. Let's not forget the DJ who kept the energy up high throughout the afternoon!

We were very fortunate to have one of our patient's read from her craniofacial books, "Smile with Simon and Simon and the Buddy Branch" to our patients. The patients and their families really appreciated hearing her stories read as she is also a craniofacial patient.

Families of a child with a craniofacial condition were delighted to meet other families who also have a child with a similar craniofacial condition. Children who had met at last year's picnic were excited at this opportunity to reunite and spend time together again. In fact, before this year's picnic, parents and patients who attended last year's picnic were asking staff members and clinicians if some of the same families would be returning again this year.. It was very moving to see how families connect with each other to share experiences and support each other.

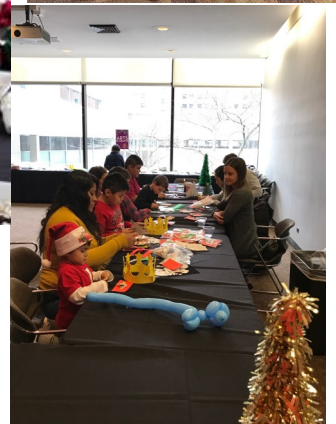
We had several adolescent and young adult patient volunteers. In addition, one young adult born with cleft lip and palate who has completed his surgeries has joined the FFF and devoted his time to help organize this year's picnic. He shared that because he and his family received immeasurable help and support from the Craniofacial Center, he now feels it is now his turn to give back to the Center. Not only did this picnic provided a unique opportunity for the patients and families. It also provided the staff members and clinicians the opportunity to further connect with our families while doing so in a fun setting.

This patient picnic would not have been possible without the support and organization of The Face the Future Foundation and Star Events. Thank you everyone who made this great event possible.



# THE FACE THE FUTURE FOUNDATION 2017 HOLIDAY PARTY

Face the Future Foundation and Star Events sponsored a holiday party for our patients and their families. This year Extensions Dance Company danced and Sacred Heart Schools Chicago Glee club sang for the patients and their families. The party included a visit and picture with Santa Claus. Each child received a present.. There was also face painting, arts and crafts, cookie decorating, a photo booth, a magician, and an animal handler who brought two animals to hold.



## ANAPLASTOLOGY: WITHIN HANDS' REACH, TECHNOLOGY OPENS DOORS WE'VE NOT YET CONSIDERED

BY ROSEMARY SEELAUS

In the pressures of today's clinical and academic environment, maintaining productivity and progress simultaneously seems at times an unachievable pursuit. Today, digital technologies available to the clinician and researcher are multiple and varied. New developments and applications are so rapid it often seems as though the minute a new digital tool is available, it is already out dated. Additionally, finding funding to acquire technologies is challenge enough, let alone maintaining their usefulness and avoiding becoming obsolete.

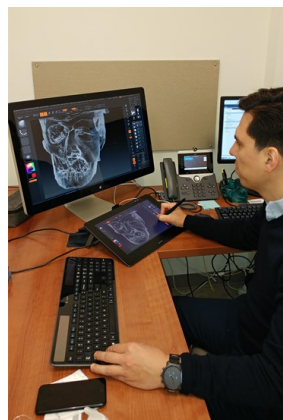
While there has been much exploration of applied technology in facial prosthetic treatment, demonstrable evidence of technology's value and remains limited. Reviews reveal multitudes of case studies demonstrating explorative and innovative technology development. With this, identifying "best practices" in facial surgical and prosthetic reconstruction in today's digital climate becomes application confounding and overwhelming.

Inspite of this, development is essential given the rapid flux of technology which is our current working environment. Millennials offer new and different opportunities for continued development, with new and different, approaches, working requirements, inherent skill sets and ways of thinking. Implicit with our new generations is the necessity of environments to fuel their thirst for innovation through technology. The opportunity exists to open new doors in our improved understanding of best practices in a digital clinical environment.

Demonstration of both established and novel digital approaches in clinical care will provide the foundation to define and sustain continued development and best practices in facial reconstruction and rehabilitation moving forward.

We are grateful to the Face the Future Foundation for their sustained support of CFC's digital technology development program.

Eduardo Arias, Clinical Anaplastologist, designs a facial prosthesis using state-of-the-art digital tools.





## GLOBAL HEARING HEALTH AND IMPROVING SUSTAINABILITY

BY DR. GABRIELLE CAGER



Ethiopia is one of the poorest countries in the world. Beset with multiple medical challenges (e.g., HIV, malaria, and infant mortality), Ethiopia pays little heed to the problems of hearing loss. As a result, hearing evaluation, rehabilitation and ear surgery are very low on the government's list of priorities.



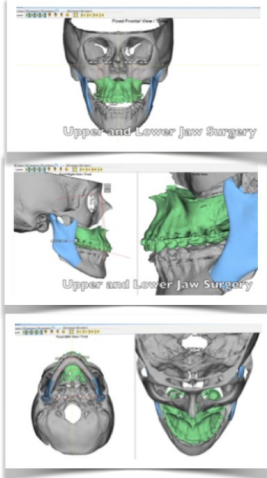



There are currently no audiologists in the entire country of over 100 million people. There is one hearing aid specialist; however, there is no way to test hearing in children younger than 5 years of age. Almost all ear and hearing services are provided by visiting teams of westerners who try to test hearing, fit hearing aids, and train hearing technicians in an isolated weeklong experience.

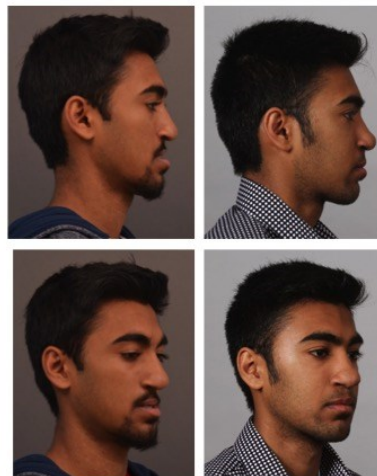
Since 2012, Dr. Miriam Redleaf, neurotologist, and supporting professional staff from UI Health Otolaryngology Department, have been providing surgical and audiometric supplies, hearing aids, and instruction to would-be surgeons and hearing specialists.

In 2016, Dr. Gabrielle Cager, Au.D, audiologist in the Department of Otolaryngology, as well as at the Craniofacial Center, has been Co-director of the Ethio-American Hearing Project, working closely with Dr. Redleaf to improve global hearing health. She has been to Ethiopia twice in 2017 and during her time there, she tested hearing (focusing on infants and children), fit hearing aids, and trained physicians on hearing testing as well as conducted follow up on patients with cochlear implants. When she is not in Ethiopia, she has been working continuously on starting a hearing technician training program, the first of its kind in Ethiopia. In January, the first group of students are starting and will be training in Addis Ababa and Mekelle, Ethiopia. The Ethio-American Hearing Project's goal is to have well-trained ear surgeons and hearing professionals in Ethiopia. This will improve sustainability, which is the only way to improve the disparities in global health. To support Drs. Redleaf and Cager's work, go to <https://collegeofmedicine.webhost.uic.edu/GIVING/StartGivingMedicine2.html> and use code 339026 with title: CGH Ethiopia Otology Fund

# A VSP+CAD/CAM SYSTEM FOR A MULTI-DISCIPLINARY TEAM: 2017 UPDATE BY DR. LINPING ZHAO

Our Own VSP+ CAD/CAM system has been developed to fulfill the needs of our multidisciplinary craniofacial/cleft team in pursuing highest quality of care and rehabilitation to our patients with various craniofacial deformities and conditions. It consists of data acquisition, modeling and simulation, design and fabrication. Using this system, patient specific information is acquired via cone beam CT scanner, 3Dphoto, and intra-oral scanners and then constructed to be a patient-specific model. Based upon this model, either surgical or non-surgical treatment procedures are simulated virtually and treatment plans are formulated. Further, procedure specific guides, templates, prosthesis, fixation system are designed and then fabricated using either numeric controlled milling machine or 3D printers. Many patients have been benefited from this system over years. With the additional critical components integrated into this system, it will be beneficial to more patients.

4 Weeks Before	3 Weeks Before	2 Weeks Before	1 Week Before
 <p>3D 3D Facial Image</p>	 <p>3D Photos + Skeleton+ Teeth</p>	 <p>Upper and Lower Jaw Surgery</p>	
 <p>3D Dental Scan - Dental Model</p>			
 <p>3D Dental Scan - Dental Model</p>			
Surgical Records	Composite Model	Computer Simulation of Surgery	3D Printed Operative Guides



## STAFF AND FACULTY RECOGNITION

Dr. David Reisberg, Director Emeritus of our Craniofacial Center (CFC) served as Program Chair of the Fourth Joint Conference of the International Society for Craniofacial Rehabilitation (ISMR) and the American Academy of Maxillofacial Prosthetics (AAMP) held in San Francisco from October 28-31, 2017.

Joining a list of internationally-renowned speakers on the program were Dr. Pravin Patel, Chief of UIH Craniofacial Surgery; Dr. Linping Zhao, CFC's Director of Research; CFC Senior Anaplastologist Rosemary Seelaus and Anaplastologist /Ocularist Eduardo Arias; and Dr. Janine Rosenberg, CFC Psychologist.

Dr. Reisberg is a past president of the ISMR and president-elect of the AAMP.

Drs. David Morris, Associate Professor of Surgery and Mimis Cohen Professor of Surgery served as invited guest speakers at the 13<sup>th</sup> International Congress of Cleft Lip, Palate and Related Craniofacial Anomalies in Chennai, India in February 8-11, 2017.

They also served as invited faculty members at the Maxillofacial Course sponsored by the American Society of Maxillofacial Surgeons, at the University of Miami, Florida in January, 2017.

Drs. Pravin Patel and Mimis Cohen were included in Castle Connolly's 2018 Top Doctors list

Dr. Mimis Cohen and his wife Andrea Biel Cohen received the University of Illinois' Foundation William E. Winter award for outstanding Advocate Leadership at the University of Illinois at Chicago during the evening with Legacies and Leaders in April 6, 2017. This award was presented by the President of the Foundation Mr. James H. Moore Jr. in recognition of the time, talent and leadership given as advocates in encouraging private gift support of alumni and friends.

From, right to left: Chancellor Michael Amiridis, Dr. Mimis Cohen, Mrs. Andrea Biel Cohen, Hipolito Arietta (former patient of the Craniofacial Center) and Mr. James Moore Foundation President.



**The Craniofacial  
Center**

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[cfc.uihealth.care](http://cfc.uihealth.care)



Take a tour of Face the  
Future Foundation's website:  
[http://  
facethefuturefoundation.org/](http://facethefuturefoundation.org/)

SAVE THE DATE



**Come Join The Craniofacial  
Center in Celebrating Cleft  
Lip and Palate Awareness  
Month with a Summer Picnic**

**July 14, 2018 @ 11:00AM -  
1:00PM (Rain or Shine)**

**Picnic is in the parking lot next  
to The Craniofacial Center**  
**There will be food, drinks, music  
and games**