

International Society of Craniofacial Surgery

# ISCFS NEWSLETTER

Volume 1 | Number 1



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**2023 CONGRESS  
– SEATTLE**

**WINDOW INTO  
HISTORY**

**FACE ME  
– THE MOVIE**

JANUARY 2024

# MESSAGE FROM THE EDITOR

Welcome to the ISCFS Newsletter! Each time I return home from an ISCFS biennial meeting, I am filled with renewed vigor about craniofacial surgery. The presentations, lectures, and interactions with our members fuel thoughts about our specialty, where we have been, and where we are going.

That got me thinking... why wait another two years for members to connect? The purpose of launching the ISCFS Newsletter is to foster communication, encourage dialogue and perhaps debate, and share information on a quarterly

basis. We hope to fill the pages with stories you care about, and we welcome submissions from all members. We hope to insert video content from our Founding Members while also serving as a place for new members to contribute their perspectives. We plan to celebrate our history while embracing innovation in craniofacial surgery.

The quality of the Newsletter, your Newsletter, will depend on involvement by you, our brilliant, creative members. So, pourquoi pas? get involved. Here's to the future!



**JESSE TAYLOR**  
UNITED STATES

*"We plan to celebrate our history while embracing innovation in craniofacial surgery."*

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# MESSAGE FROM THE PRESIDENT

It is my great honor to serve all of you as the 19th President of the International Society of Craniofacial Surgery (ISCFS). I would like to take this valuable opportunity to thank every member of the ISCFS for contributing to the continuous accomplishments of our society and for being essential partners in its success at the 2023 Seattle Congress - and for years to come.

For my part, as President, I commit to working with Vice President Irene Mathijssen and the ISCFS Council to further strengthen our voice and influence in craniofacial surgery worldwide. My mentor taught me that craniofacial surgery is not only a medical specialty, but a delicate art. If you want to realize your dream, then you just need to back it up with conviction and the tools you continue to learn will surely help you to fulfill it.

I now challenge each of you to consider what contributions you will make to help the ISCFS accomplish our mission.

We will begin to offer a series of webinars to retain our buoyancy between biennial meetings. I hope our new Young Surgeons Committee will play a vigorous role in helping our young members feel at home in our society, encouraging them to be involved in every aspect of our mission.

I thank you for the tremendous honor of serving this unique and important organization, and I look forward to working with all of you to grow and strengthen our collective voice as we strive to improve the surgical care of our craniofacial patients and their families. And, of course, I look forward to welcoming everyone to Shanghai in 2025!



**XIONGZHENG MU**  
ISCFS President  
CHINA

*"... craniofacial surgery is not only a medical specialty, but a delicate art."*

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# 2023 CONGRESS — SEATTLE

It is hard to imagine that it has already been four months since the 20th Congress of our society took place in Seattle. After a four year wait since our last meeting in Paris, over 700 participants from 42 countries gathered in Seattle to create a program full of innovation and discovery. In the spirit of the 1962 Seattle World Fair, the theme of the congress was Shooting for the Stars - Learning from our Past to Create the Future of Craniofacial Surgery. Everyone who attended took this motto to heart as they debated, discussed, and challenged each other in all aspects of craniofacial surgery.

The events started with a pre-congress day that showcased cutting-edge technology in artificial intelligence, augmented reality, and virtual reality. After expert lectures, such as one from Senior Director of Meta/Facebook, Edgar Auslander, participants enjoyed hands-on experience with various technologies that will soon be in all our operating

rooms. Learners put on goggles that allow surgeons to simultaneously see their patient as well as an overlaid CT scan or a virtual operative plan. A highlight of the Pre-Congress Symposium was the round table interactive discussion with leaders in venture capital, intellectual property and start-up companies. I want to extend a special thank you to Raj Vyas and Sam Browd for chairing a fascinating and lively start to the week. The welcome reception then took place alongside a recreation of Pike's Place Market, as we caught up on all our activities over the past four years. There were many memorable moments, but our Bavarian trumpet playing industry affiliate balanced on an operative room table definitely ranked up there!

On Wednesday, the main Congress began. Following a tribute to Dr. Joe Gruss's impact on craniofacial surgery, keynote speakers launched the energy of the week. David Morton, one of the world's premier high-altitude climbers, presented



**RICHARD HOPPER**

ISCFS Immediate Past-President  
UNITED STATES

*"... over 700 participants from 42 countries gathered in Seattle to create a program full of innovation and discovery."*

awe-inspiring photographs and narration of his experiences summiting Mount Everest as well as his work to support the resilient Sherpa families affected by destructive base camp avalanches. Kim Hicks, Director of the Rapid Space Launch Capacity team at Boeing, demonstrated the amazing work of the international company that started in our city. Dr. Michael Williams from University of Washington Neurosciences then described his NASA-based work on optic neuropathy caused by spaceflight - clinical signs not much different from what our own patients with craniosynostosis can sometimes demonstrate when under intracranial pressure. With over 250 podium presentations and 300 posters, the educational program was amazing and covered all cutting-edge craniofacial research that has been done since the pandemic. The ISCSF held the very first session on facial feminization surgery. The panel was dynamic and educational, and the ISCSF Council and our new President, Dr. Xiongzheng Mu, has committed to repeat this session at the next Congress in Shanghai. The Thursday evening Gala Dinner was held under the jets and planes at the Boeing Museum of Flight.

Friday came too quickly, but we left some of the best papers and panels for last. Active ISCSF member Oleh Antonyshyn gave the Monasterio Lecture on his

team's humbling work providing surgical care for Ukrainian war victims. The Friday panel was titled: The effect of aging on craniofacial outcomes. Some of our most experienced ISCSF surgeons demonstrated and discussed outcomes in adults who had undergone craniofacial surgeries in early childhood, such as cranial remodeling, shunts, and jaw surgery.

The judges' votes were tallied after the Congress and we congratulate Melissa Kurniawan from the Netherlands as the recipient of the Marchac Award for best podium presentation and Adam Goodreau from the United States as the recipient of the first ISCSF award for best poster presentation. Congratulations to them both. We look forward to seeing them receive their plaques on the podium in two years.

At our business meeting on Friday, we welcomed a record 49 active, 9 associate, 2 Orthodontic, 1 research investigator and 17 young surgeons into our society - 78 total new members. With this healthy growth of our organization, active members discussed a fundamental evolution of the ISCSF administration. The Council proposed that we engage a professional management company to support our continued growth and maintain consistency from congress to congress. The Council is happy to announce that





boeld communication, Inc. has signed a four-year contract with the ISCFS to become our new management team. This structure will help us maintain consistent global support for our membership and industry affiliations, as well as visibility of our mission and goals through social media, the new website, and this newsletter.

Also on Friday morning, the first meeting of the ISCFS Young Surgeons group took place. This initiative will keep our society healthy through engagement of the energy and perspective of these younger members in the direction and development of the ISCFS. Our new membership category recognizes an important part of our community and their work over the next few years will be recognized with celebration when we gather at the 21st Congress.

On the closing day, three valued Council members, Dr. Pedro Santiago, Dr. Jesse Taylor and Dr. Irene Mathijssen completed their terms on the Council. We are all grateful for their service and expertise. Dr. Mariana Sabas from Argentina was elected to the orthodontist Council position and Dr. Cassio Eduardo Raposo do Amaral from Brazil was voted into the open surgical Council position. After years of unselfish work supporting our society as Secretary-Treasurer, it was little surprise that Dr. Irene Mathijssen from the Netherlands was elected as our new Vice-President. She

vacates the position we all rely on to keep our society running, and we chose Dr. Jesse Taylor from the United States as our new Secretary-Treasurer. On this last day, I assumed Dr. Eric Arnaud's treasured title of Immediate Past President, as Eric became our first Parliamentarian. I was also honored to hand the

*"Thank you for the opportunity to serve as your ISCFS President these past two years."*

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responsibilities of the ISCFS Presidency to Dr. Xiongzhen Mu from China. Dr. Mu and Dr. Xudong Wang will be hosting the 21st Congress in the amazing city of Shanghai in October 2025. The dates will be announced soon, and I look forward to seeing you all there.

We will only have two years between our international meetings this time and it will go fast. I know we will all continue to Shoot for the Stars. Thank you for the opportunity to serve as your ISCFS President these past two years. Your passion and work never cease to amaze me.



# ISCFS 2023

5-8 SEPTEMBER

Seattle, Washington, United States



[CLICK HERE](#) TO SEE THE ISCFS CONGRESS 2023 PHOTO GALLERY!



# CONGRESS AWARDS

 **ISCFS 2023**  
5-8 SEPTEMBER  
Seattle, Washington, United States

## 2023 MARCHAC AWARD

**Title:** Neurocognitive Outcome in Sagittal Synostosis Patients

**Presenter:** **Melissa Kurniawan, MD**

**Authors:** Jolanda Okkerse, PhD  
Gwen Dieleman, MD PhD  
Irene Mathijssen, MD PhD  
Clemens Dirven, MD PhD  
Marie-Lise van Veelen, MD PhD

**Affiliation:** Erasmus Medical Center  
Rotterdam, The Netherlands

## BEST POSTER AWARD

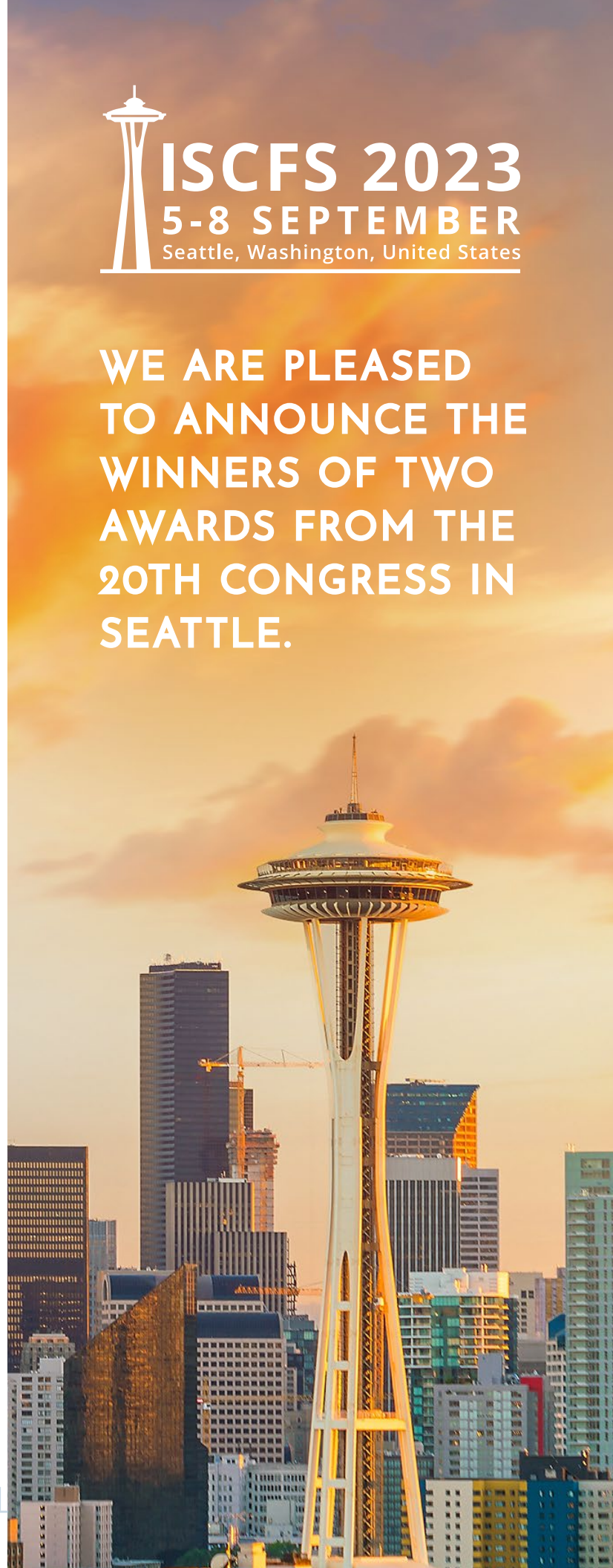
**Title:** Orbital Dismorphology Corrects after Endoscopic Strip Craniectomy in Metopic Craniosynostosis

**Presenter:** **Adam Goodreau, MD**

**Authors:** John Phillips, MD, MS  
Dale Podolsky, MD, PhD  
Christopher Forrest, MD, MSc  
Johanna Riesel, MD

**Affiliation:** The Hospital for Sick Children  
Toronto, Ontario, Canada

WE ARE PLEASED  
TO ANNOUNCE THE  
WINNERS OF TWO  
AWARDS FROM THE  
20TH CONGRESS IN  
SEATTLE.







# ISCFS 2023

## 5-8 SEPTEMBER

Seattle, Washington, United States



# THANK YOU TO OUR 2023 CONGRESS SPONSORS

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# FACE

## 20TH CONGRESS ABSTRACTS PUBLISHED

The journal FACE has published abstracts of presentations from the Congress in Seattle. [Click here to access the issue.](#)

Journal of the ASMS



AMERICAN SOCIETY OF  
MAXILLOFACIAL SURGEONS

Journal of the ASCFS



American Society  
of  
Craniofacial Surgeons

# FACE ME – THE MOVIE

*"Facing each other, really seeing each other, and being more than the role of doctor or patient."*



**IRENE MATHIJSSSEN**  
ISCFS Vice President  
THE NETHERLANDS

The main goal of project Face Me is to look at the mutual understanding between care professionals and patients/ caretakers by working with the artists Zijlmans & Jongenelis who approached the project's main question in an innovative and artistic way. Based on extensive (online) interviews and home visits to patients and their families and with doctors involved, they invited three patients and a mother, two neurosurgeons and one plastic surgeon to be part of a unique and once in a lifetime experience. Facing each other, really seeing each other, and being more than the role of doctor or patient. See me. Face me.

As patients and caretakers, you place your trust in the hands of the doctor. What kind of trust is this? What is needed to be able to grant your doctor this trust? Zijlmans and Jongenelis asked Irene Mathijssen to open her home and completely trust the process for an unscripted photo and film shoot on May 14th, 2023 to ask the question: What if we changed places? An equal co-creation between doctors and patients. No roles, no rules.

The photos and film that were created form the basis for a toolkit that can be used to open

the dialogue with healthcare professionals and patients (representatives). One of those tools is a workshop. On September 26, 2023, a workshop took place at the ErasmusMC hospital with Dutch patient (representatives) and healthcare professionals. On November 16, during the annual ERN Cranio meeting in Dublin, another workshop was organized with patient (representatives) and healthcare professionals from various European countries.

The goal of the workshops was to have a conversation in different ways: by taking the perspective of the other, to understand what you would need to trust someone when it comes to such an invasive procedure, and what the other needs, by observing openly and without judgement.

The photos and the film are the starting point for a different conversation. To start exploring the guide's role, to explore the interpersonal, the lack of roles, and how that makes you an even better doctor, and how a good guide is defined by patients and their loved ones.

**READ ABOUT AND SEE  
THIS PROJECT  
USING THE QR CODE ON  
THE POSTER OR AT  
[WWW.ERN-CRANIO.EU/  
FACEME](http://WWW.ERN-CRANIO.EU/FACEME)**

European Reference Network Cranio presents  
in collaboration with True Blue and Art Partner

# FACE ME

What if we changed places?



a project by *Sylvie Zijlmans & Hewald Jongenelis*  
with: *Aafke Coopmans,*  
*Indy van den Ouweland, Irene Mathijssen,*  
*Jochem Spoor, Mariska van Opstal,*  
*Mariët Faasse & Uli Thomale*



# ISCFS BULLETIN BOARD

## VIDEOS ARE HERE!

Did you know that our website includes eight **educational videos** by members?

**Tell us** if you would like to submit one and we will contact you.



**Management of Facial Trauma in Indonesia** | ISCFs 2023

Craniofacial Trauma  
 Dr. Henny Kreshanti, Jakarta, Indonesia  
 Dr. Henny Kreshanti from Universitas Indonesia in Jakarta, Indonesia discusses the management of craniofacial trauma at a major tertiary referral center in Indonesia. She discusses how technology has changed her practice and how timing of referrals impacts the surgical reconstruction.

## WEBINARS ARE COMING!

In an effort to encourage lively international discussion of craniofacial topics in between biennial meetings, we plan to host quarterly **Case-Based Webinars** at no charge to ISCFS members.

Dates, times, links to access, and fees for non-members will be announced in due course. Speakers will be chosen from among the membership and each webinar will last one hour.

**Representative topics will include:**

- Treatment of the Apert Midface
- Anterior Cranial Vault Distraction
- Facial Contouring Surgery
- Management of Hypertelorism
- Early Treatment of Syndromic Craniosynostosis
- Orthognathic Surgery - Surgery First



## BE PART OF THE ISCFS NEWSLETTER

You are invited to write a short article or case report for our **HOW I DO IT** column on the topic of **Lateral Canthopexy** for the April issue of ISCFS Newsletter.

Your article should be 750-1000 words, with up to five images (not required), and sent to [admin@iscfs.org](mailto:admin@iscfs.org) no later than Friday, March 15.



# TESSIER'S CLASSIFICATION OF CRANIOFACIAL MALFORMATIONS – AN IDEA WITH ROOTS FROM 185 YEARS EARLIER

First of all, I am extremely grateful to Jesse Taylor, Editor of the new ISCFNS Newsletter and to Catherine Foss, Managing Editor, for having appointed me as the History Editor.

I look forward to a fruitful and educational collaboration on the history of our discipline by offering the reader a true pearl of wisdom for the inaugural issue. Browsing through a textbook on congenital anomalies by the German anatomist Samuel Thomas von Sömmerring (1755-1830), I discovered by chance the roots of Tessier's classification of craniofacial malformations, amazingly presented 185 years earlier!

## THE CLASSIFICATION OF RARE CRANIOFACIAL CLEFTS TESSIER CLASSIFICATION.

In 1976, Paul Tessier (1917-2008) published his anatomical classification of craniofacial malformations, the result of his unique experience and direct observation of a vast number of congenital anomalies.<sup>1</sup> Tessier regarded the orbit as an important landmark, common to

both the cranium and the facial skeleton. Across the orbit, the craniofacial clefts are identified. As a general rule, the correlation between soft and bony tissue involvement varies considerably. Rarely, they are affected to the same extent and their surface appearance does not always coincide with the underlying bony structure. He simplified the complicated terminology related to craniofacial malformations by creating a numbering system from 0 to 14, moving around the orbit, where 0 corresponds to the midline facial cleft and 14 to hypertelorism and bifid nose. In this way, recording of malformations became much easier and understanding among observers was facilitated. His classification has been widely accepted.

## SÖMMERRING CLASSIFICATION.

Was the anatomical classification of rare craniofacial clefts using a numbering system Paul Tessier's idea? Possibly not. As far as we know, the concept of orienting congenital craniofacial anomalies or clefts along vertical axes through the midline of the



**RICCARDO F. MAZZOLA**

History Editor  
ITALY

*"Tessier regarded the orbit as an important landmark, common to both the cranium and the facial skeleton."*

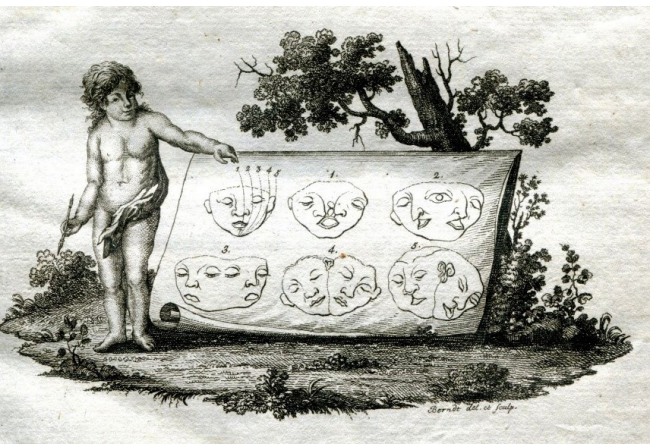


Figure 1 - Engraved vignette on the title page of Sömmerring's book. A cherub indicates the different craniofacial malformations. The numbering system is reported.



Figure 2 - Sömmerring's cleft No. 1 (Tessier No. 14), with hypertelorism, bifid nose and total absence of the cranial vault structures.

nose, the eyebrows and the maxilla, and of proposing a numbering system to facilitate their classification, belongs to Sömmerring. Of course, this was nothing compared with the detailed and sophisticated numbering system suggested by Tessier, but in essence the seed was there. The French philosopher and physician Émile Littré (1801-1881) wrote: There is no development even the most advanced of contemporary medicine, that is not found in embryo in the medicine of the past.<sup>2</sup> In his book, *Abbildungen und Beschreibungen einiger Mißgeburten* (Illustrations and Descriptions of some congenital Malformations)<sup>3</sup>, published in 1791, Sömmerring illustrated some of the rare cases preserved in the Anatomical Museum of Cassel (Germany) where he had the opportunity to work as a Professor of Anatomy. On the title page, an engraved vignette shows a cherub indicating the different craniofacial anomalies with their numbering system (**Figure 1**). Sömmerring No. 1, illustrates hypertelorism with bifid nose and corresponds to Tessier No. 14 (**Figure 2**). Craniofacial malformations, numbered from 2 to 5, represent examples of facial duplication.

### SÖMMERRING BIOGRAPHY

Born in Thorn (Prussia) in 1755, Sömmerring studied medicine in Göttingen (Germany) from where he graduated in 1778, dedicating himself to the study of anatomy. In 1779, he was appointed Professor of Anatomy at the Caroline College in Cassel.

During this period, he had the privilege of examining the Anatomical Museum in detail, a repository of an amazing collection of rare craniofacial malformations. In 1784, he moved to Mainz as a Professor of Medicine and remained until 1797. From 1805 to 1820, he lived in Munich as a member of the Bavarian Academy of Science. Finally, in 1820 he established himself in Frankfurt, where he practiced medicine until his death in 1830, aged 75. A prolific writer, Sömmerring published important works on embryology and the anatomy of the eye, ear, and sense organs.

More details about the origins and development of plastic, reconstructive and aesthetic surgery through the ages can be found in the recently published *Plastic Surgery: An Illustrated History* by Riccardo F. Mazzola and Catherine B. Foss. The book can be ordered from [Amazon](#).

### REFERENCES

1. Tessier P. Anatomical classification of facial, cranio-facial, and latero-facial clefts. *J Maxillofac Surg.* 1976; 4: 69-92
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3. Sömmerring ST von. *Abbildungen und Beschreibungen einiger Mißgeburten* (Illustrations and Descriptions of some congenital Malformations). 1791; Mainz: Universitätsbuchhandlung.

# IN MEMORIAM

*"His articles and books on craniofacial surgery are "must-read" material for all craniofacial surgeons."*



**S. ANTHONY WOLFE**  
ISCFS Founding Member  
UNITED STATES

We sadly report the loss of ISCFS Founding Member, **Dr. S. Anthony Wolfe**. The following tribute was written by Council member Dr. Cassio Eduardo Raposo do Amaral (BRAZIL).

Our global craniofacial community and SOBRAPAR Hospital in Campinas, Brazil deeply regret the recent loss of Dr. S. Anthony "Tony" Wolfe who passed away on December 26, 2023. Dr. Wolfe's numerous visits to SOBRAPAR since the 1970's leave a special and permanent impact on the surgical philosophies and regimens at our hospital.

Commencing with a one-year post-residency fellowship with Dr. Paul Tessier in 1974, Dr. Wolfe subsequently developed fruitful and lifelong friendships with his craniofacial surgical colleagues and peers dedicating his professional life to all aspects of craniofacial surgery including research, education, and comprehensive care for all patients, especially those presenting with trauma, tumors, and congenital deformities. During his long medical career, Dr. Wolfe traveled to and performed operations in many countries and was always ready and willing to share the extensive

knowledge he acquired from Dr. Tessier, along with his own unique understanding and expertise in craniofacial surgery, with colleagues and peers who sought his advice.

Dr. Wolfe was always interested in discussing difficult and complex cases, debating potential surgical outcomes, and adopting new techniques to obtain optimized results, decrease complication rates, and more effectively destigmatize a patient's syndromic face. To that end, he always standardized his patients' photographs, which enabled detailed comparison and long-term evaluation, which he demonstrated in lectures all over the world.

His articles and books on craniofacial surgery are "must-read" material for all craniofacial surgeons. Besides his numerous articles and books, the 2005 craniofacial supplement written in the PRS journal by Dr. Wolfe and other disciples of Dr. Tessier certainly



*"Dr. Wolfe was always interested in discussing difficult and complex cases, debating potential surgical outcomes, and adopting new techniques to obtain optimized results..."*

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belongs on the surgeon's bedside table. Among the vast number of important articles that he authored over the course of his medical practice, Dr. Wolfe also wrote a landmark manuscript published in the 2019 PRS Journal addressing his extensive 42-year experience utilizing autogenous bone for craniofacial reconstruction without post-operative complication. The robust data from this manuscript currently guides many craniofacial surgeons worldwide.

Dr. Wolfe's book, *A Man from Héric, The Life and Work of Paul Tessier, MD, Father of Craniofacial Surgery*, demonstrates his unparalleled respect for details, along with deep loyalty to craniofacial history, and to his mentor Dr. Tessier. He gave me a personally signed copy of this book with the inscription "Keep the flame burning" which serves as an inspiration when facing the daily challenges of craniofacial surgery.

In addition to his numerous leadership positions and memberships in other

professional societies, Dr. Wolfe was a founding member and former president (2005-2007) of the International Society of Craniofacial Surgery (ISCFS), and in conjunction with SOBRAPAR Hospital, organized the 2007 ISCFS International Congress in Salvador, Bahia, Brazil. He was a close friend of my father, the late Dr. Cassio Raposo do Amaral, and came to Brazil many times to operate, lecture, and subsequently travel around the country accompanied by their mutual lifelong friends Drs. Henry Kawamoto and Tessier.

I feel personally privileged and am deeply grateful to have had a chance to witness Dr. Wolfe practicing his profession over the past three decades. His life as a craniofacial surgeon will serve as a wonderful example of motivation, dedication, and determination for future generations of craniofacial surgeons. His legacy will never be forgotten and his memory will live on with his loving family.

# NEUROSURGERY CORNER

*"We are not surgeons who just cut along the line, or at least we should not be."*



**JAY JAYAMOHAN**  
Neurosurgery Editor  
UNITED KINGDOM

Welcome to the Neurosurgery Corner. This is the first of what we intend as a regular column in these newsletters - which are themselves a new thing. All craniofacial surgery units have neurosurgery attached, but the level of integration (or even interest) is very variable. The Council and I would like to change that.

We are not surgeons who just cut along the line, or at least we should not be. Knowing the underlying conditions that patients present to craniofacial units, with their individual risks and their natural histories, is essential when planning care, both acute at the time of surgery, and long-term for those with syndromes that mean a lifetime of care and often many operations.

I would like us to explore a few different avenues in the interim between our face-to-face meetings. The first option would be a journal club. We can review classic papers that laid the cornerstones of our subspecialty, or we can review new papers that are published in journals perhaps not usually read by the majority of craniofacial reconstructive surgeons. Please let me know if this would be helpful. We all plan to read articles much more than we actually do and this

may be the stimulus to do this. For a critique of previous studies, I would be keen to have input from you rather than just giving my own opinions. Indeed, opposing opinions and thoughts will make this much more interesting for all to read. Please do email me at [admin@iscfs.org](mailto:admin@iscfs.org) if you would like to get involved.

The other area I considered would be taking this opportunity to explain to our reconstructive colleagues about the logic for neurosurgical intervention. Considering trainee plastic and maxillofacial surgeons, there is often uncertainty about why we choose to pressure monitor some patients, shunt others, or perform primary vault expansion on a third group. Areas such as Chiari malformations are increasingly discussed at our conferences, but this is also an area that would be ripe for further consideration. While this is perhaps less interesting for the neurosurgery members at first glance, let me ask you for example: *what are your indications for invasive pressure monitoring or when do you consider doing an ETV for hydrocephalus rather than a shunt primarily?* The answers to even these most basic questions are worthy of discussion for all of us.

I suggest starting things off by discussing intracranial pressure. The format is up to you. Let me know your thoughts by email in the next four weeks, and I will begin work on this. Similarly, if you would like to get involved, let me know.

*"... there is often uncertainty about why we choose to pressure monitor some patients, shunt others, or perform primary vault expansion on a third group."*



International Society of Craniofacial Surgery

# ISCFS NEWSLETTER

Volume 1 | Number 2

## NEXT ISSUE HOW I DO IT: LATERAL CANTHOPEXY

To submit an article of 750-1000 words with images as needed, send it to [admin@iscfs.org](mailto:admin@iscfs.org) no later than Friday, March 15.



APRIL 2024

# ORTHODONTICS UPDATE

*"Craniofacial patients demand a comprehensive and specialized approach, underscoring the collaborative synergy between orthodontists and surgeons."*



**MARIANA SABAS**  
ARGENTINA

## COLLABORATIVE APPROACH IN CRANIOFACIAL CARE: THE ROLE OF THE CRANIOFACIAL ORTHODONTIST

### INTRODUCTION

Craniofacial malformations encompass a spectrum of disorders, profoundly impacting facial harmony and eliciting significant psychosocial challenges. For orthodontists and surgeons dedicated to the specialized field of craniofacial care, navigating the complexities of treatment requires a collaborative and multidisciplinary approach. This comprehensive guide aims to illuminate the pivotal role of orthodontists alongside surgeons in the care continuum.

### UNDERSTANDING CRANIOFACIAL ANOMALIES

Craniofacial anomalies, ranging from cleft lip and palate to hemifacial microsomia and syndromic craniosynostosis, present diverse challenges. Patients and their families experience a unique journey, necessitating a holistic team

approach that encompasses orthodontic, surgical, medical, psychological, genetic, and social perspectives.

### ORTHODONTIC INVOLVEMENT IN CRANIOFACIAL TEAMS

Orthodontists serve as key members of craniofacial teams, contributing expertise in data collection, clinical examination, diagnosis, and treatment planning. Their involvement extends from birth to skeletal maturity, requiring a nuanced understanding of evolving technologies such as Computer-Aided Design/Computer-Aided Manufacturing (CAD/CAM).

### CLEFT LIP AND PALATE

Cleft lip and palate, the most prevalent craniofacial anomaly, occurs in 1:700 newborns. Orthodontic intervention starts early, utilizing presurgical nasoalveolar molding to enhance nasal projection

and correct alar cartilage distortion. This approach, initiated within the first week of life, has been shown to reduce the need of surgical revisions and if a Gingivoperiosteoplasty is performed at the time of the primary lip surgery, a remarkable 60% reduction in the need for secondary bone grafts.

The orthodontic treatment journey includes infant presurgical orthopedics, mixed dentition treatment, dentofacial orthopedics, and orthodontics. Additionally, orthodontists play a crucial role in preparing for alveolar bone graft procedures, adolescent/adult orthodontics, and pre-prosthetic orthodontics. Innovative techniques in orthognathic surgery or distraction osteogenesis aid in achieving comprehensive correction.

#### HEMIFACIAL MICROSOMIA

Hemifacial microsomia, the second most common craniofacial anomaly, presents with variable phenotypic expressions. Orthodontists and surgeons collaborate in the initial evaluation, closely monitoring patients during growth. Early mandibular distraction osteogenesis, coupled with pre- and post-orthodontic treatment, is assessed. Definitive single-stage maxillomandibular reconstruction, combined with orthodontic treatment, occurs at early skeletal maturity.

#### SYNDROMIC CRANIOSYNOSTOSIS

Craniosynostosis, the premature fusion of cranial sutures, often involves syndromes like Crouzon, Apert, and Pfeiffer. Surgeons prioritize cranial expansion and fronto-orbital remodeling during the first year of life. Orthodontists contribute during mixed dentition, addressing oral problems and guiding tooth replacement. The complexity of these cases may require midface distraction osteogenesis, and in puberty, orthognathic surgery becomes imperative for optimal outcomes.

#### ADVANCED TECHNOLOGIES AND EVOLVING TECHNIQUES

Orthodontists leverage evolving technologies, including CAD/CAM, to craft customized solutions such as clear aligners, prescription brackets, surgical implant guides, and orthodontic appliances. These innovations enhance precision and efficiency in treatment, offering a tailored approach to the unique challenges presented by each patient.

#### CONCLUSIONS

Craniofacial patients demand a comprehensive and specialized approach, underscoring the collaborative synergy between orthodontists and surgeons. From infancy to skeletal maturity, the interdisciplinary team ensures precise diagnosis and tailored treatment plans. The orthodontist's role is central

in achieving functional and aesthetic success. Continued advancements in CAD/CAM technology and the integration of artificial intelligence hold promise for further refining craniofacial care, empowering caregivers in critical decision-making and enhancing the overall treatment experience for patients.

In the pursuit of excellence, the field anticipates ongoing improvements, driven by the collective expertise of orthodontists and surgeons, dedicated to transforming the lives of those affected by craniofacial anomalies.

*"Orthodontists serve as key members of craniofacial teams, contributing expertise in data collection, clinical examination, diagnosis, and treatment planning."*

# YOUNG SURGEONS COMMITTEE ESTABLISHED

*"...International Society of Craniofacial Surgery instituted a Young Surgeons Committee."*



**BEN MASSENBURG**  
UNITED STATES

Beginning in 2023, the International Society of Craniofacial Surgery instituted a new membership category for residents, registrars, and fellows alongside a new Young Surgeons Committee. Our committee is focused on increasing the engagement of the society with our younger members-in-training as well as augmenting the international societal presence in the two years between congresses.

On this path, we have embarked on an educational video initiative, showcasing in-depth interviews with global experts in craniofacial surgery. The early video topics have included Tessier facial clefts, distraction osteogenesis, orthognathic surgery, facial trauma, monobloc osteotomy, and both non-syndromic and syndromic craniosynostosis.

We have also begun the ISCFS Founders Series and have recorded longer-format interviews with Dr. S. Anthony Wolfe and Dr. Henry K. Kawamoto about the beginnings of our field and our society. We hope to delve into our rich history, provide a comprehensive exploration of critical topics, and explore the future trajectories of

craniofacial surgical techniques and indications. We hope this approach not only facilitates knowledge dissemination, but also fosters a continued sense of community among our members. These interviews can be found on YouTube at <https://www.youtube.com/@iscfs/videos>.

At the international congress in Seattle in September, we had over 200 trainees from 23 countries in attendance, with an inaugural in-person meeting of the Young Surgeons Committee. Our small group discussion generated a few strategies for integrating younger members and increasing societal presence. The ISCFS Council is working towards prioritization and implementation of some of these proposals:

- 1. Webinars:** We will be organizing periodic webinars for case discussions allowing trainees and experts to explore various craniofacial conditions, indications, and techniques to engage our members between congresses and provide continuous learning opportunities.
- 2. Social Media Engagement:** We are utilizing social media platforms to share updates,

*"Our committee is focused on increasing the engagement of the society with our younger members-in-training as well as augmenting the international societal presence in the two years between congresses."*

research findings, and videos. You can find us on YouTube @ISCFS, on Instagram @ISCFS, and on X (formerly known as Twitter) @ISCFS\_society.

program that connects experienced craniofacial surgeons with younger members for guidance, networking, and skill development.

**3. Regular Newsletters:**

As you see here, we will be publishing quarterly newsletters to highlight the society's activities, member achievements, and upcoming events to keep members informed and connected.

We look forward to expanding this committee and our membership with the goal of increasing the consistent global presence of the International Society of Craniofacial Surgery. If you are interested in participating in future interviews or have additional suggestions for the committee, please contact me through [admin@iscfs.org](mailto:admin@iscfs.org).

**4. Young Surgeons**

**Mentorship Program:**

We hope to establish a



# ISCFS WELCOMES THEIR PROFESSIONAL MANAGEMENT TEAM

By unanimous vote of the ISCFS Council, *boeld communication* has been retained to provide day-to-day society management services and to assist with future biennial Congress production. Meet the team.



## BARBARA BOELD

ISCFS Executive Director  
[office@iscfs.org](mailto:office@iscfs.org)

Barbara Boeld is President of boeld communication and has 26 years of experience in marketing, society management and professional congress organizing. She leads a staff of 20 in her offices in Germany and the US.



## CATHERINE FOSS

Administration  
[admin@iscfs.org](mailto:admin@iscfs.org)

Catherine Foss has been producing continuing medical education and other meetings for 47 years and has managed more than a dozen medical and non-medical societies. She coordinates ISCFS activities from her office in Hanover, New Hampshire (US).



## VERENA REINMUTH

Administration  
[info@iscfs.org](mailto:info@iscfs.org)

Verena Reinmuth has been with boeld communication for 7 years and serves as Senior Project Manager and Financial Controller. She works in the Munich office.



## RUDITE TAUNINA

Graphic Designer

Rudite Taunina provides her 7 years of graphic design expertise to create all ISCFS print matter, including this newsletter.



## STEFAN GEIS

ISCFS Webmaster

Stefan Geis is the website developer, responsible for creating and maintaining both the main ISCFS website and the recent Seattle Congress website.



# ISCFS WELCOMES NEW MEMBERS

## AUSTRALIA

Jonathan Burge

## BELGIUM

Herman Vercruyse

## BRAZIL

Cristiano Tonello

## CANADA

Dale Podolsky  
Sultan Al-Shaqsi

## CHINA

Jie Cui  
Chenbin Dong  
Yi (Jocelyn) Ji  
Han-Tsung Liao  
Xudong Wang  
Yingzhi Wu  
Min Zhu

## COLOMBIA

Rodrigo Penagos-Luna  
Luiz Santacruz  
Andres Urrego

## FINLAND

Sini-lina Laakso

## INDIA

Pramod Subash  
Sahas Udayakumaran

## INDONESIA

Prasetyanugraheni Kreshanti  
Indri Lakshmi Putri

## ISRAEL

Omri Emodi

## ITALY

Urbino Urbani

## JAPAN

Daisuke Sakahara

## MALAYSIA

Firdaus Hariri  
Prabu Rau Sriram

## POLAND

Krzysztof Dowgierd

## SOUTH KOREA

Kyu Nam Kim  
Youngchul Kim

## SWEDEN

Lars Kölbj

## TAIWAN

Po-Cheng Huang

## THAILAND

Sarut Chaisrisawadisuk



**UNITED KINGDOM**

Martin Evans  
Jaime Grant  
Anusha Hennedige  
Jagajeevan Jagadeesan  
Gregory James  
Gregory Thomas  
Natasha Wielogorska

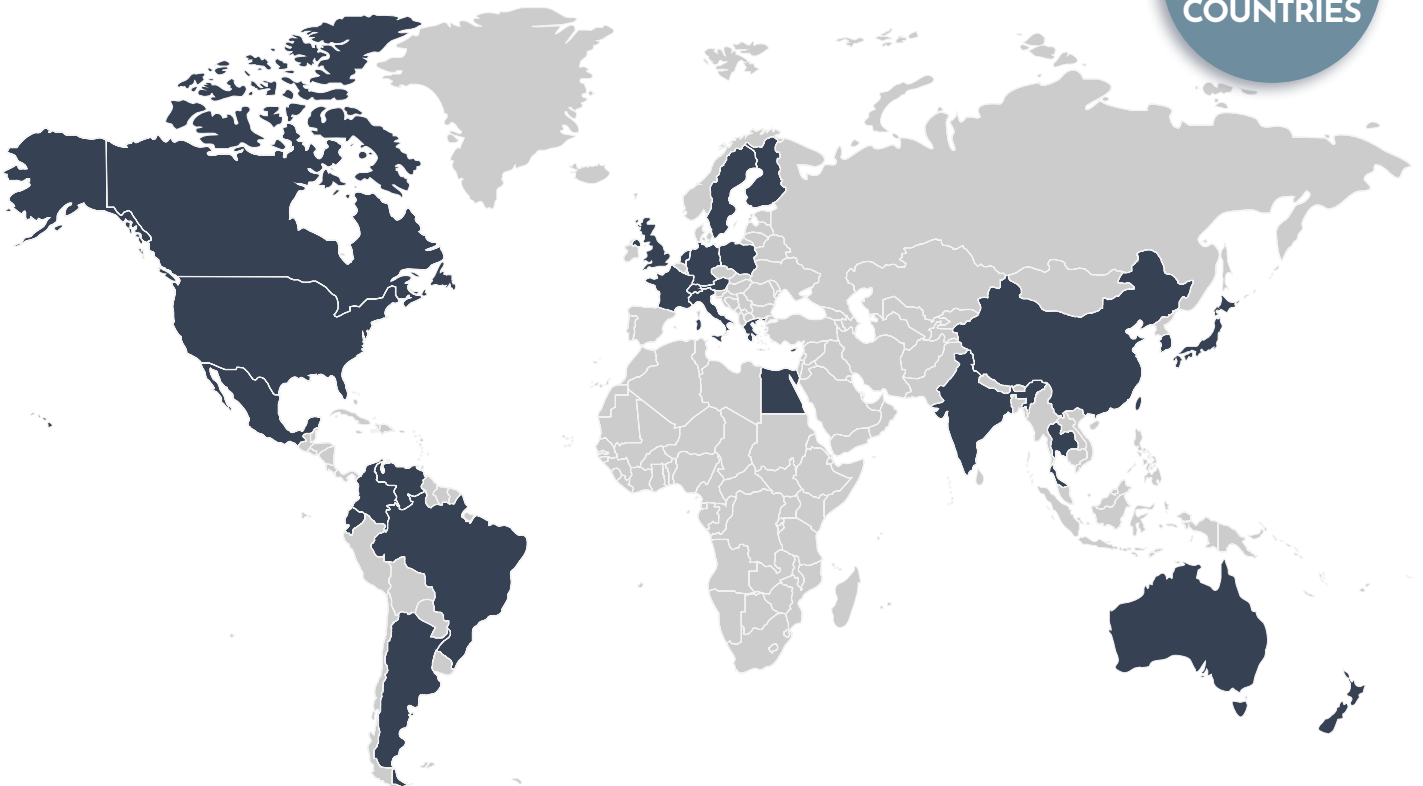
**UNITED STATES**

Michael Alperovich  
Erin Anstadt  
David Bauer  
Christopher Bonfield  
William Breakey  
Dieter Brummund  
Edward Buchanan

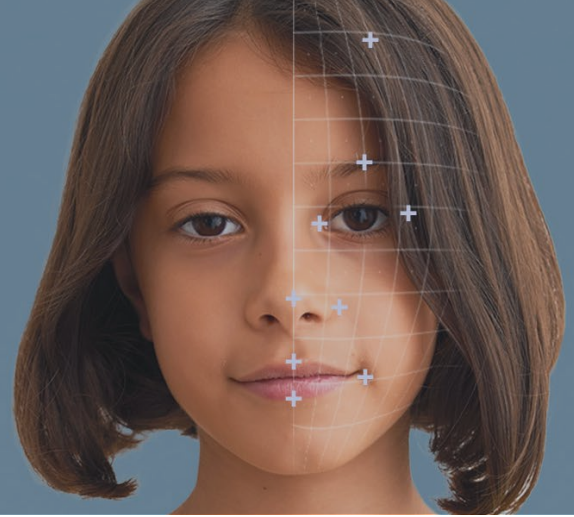
Mitchell Buller  
Eileen Curry  
Edward Davidson  
Robert Dempsey  
Daniel Cho  
Michael Golinko  
Matthew Greives  
Dongdan Guo  
Lucas Harrison  
Ian Hoppe  
Patrick Kelley  
Nicole Kurnik  
Amy Lee  
Andrew Linkugel  
Benjamin Massenburg  
Ezgi Mercan  
Delora Mount

Sanjay Naran  
Phuong Nguyen  
Matthew Pontell  
Kathryn Preston  
Chad Purnell  
Paymon Sanati-Mehrizy  
Sameer Shakir  
Srinivas Susarla  
Ruth Tevlin  
Philip Tolley  
Christian Vercler  
Raj Vyas  
Charles Wilkinson  
Joseph Williams  
JeyhanWood  
Domenick Zammit

**MEMBERS  
FROM 29  
COUNTRIES**



# BECOME AN ISCFS MEMBER



We welcome membership applications in Active, Associate, Corresponding, Orthodontic, Research, and Resident/Registrar/Fellow categories and have created a simple on-line process. Current member specialties include plastic, craniofacial, oral and maxillofacial surgeons, neurosurgeons, orthodontists, otorhinolaryngologists, dentists, and those involved in related research.

There is a \$75 application fee and annual fees are \$150 for Active/Associate members and \$50 for Resident/Registrar/Fellow members. Our website includes information about qualifications for membership and frequently asked questions at this link: <https://iscfs.org/membership/>

## MEMBERSHIP BENEFITS

- Global Visibility
- International Recognition
- Reasonable yearly membership fees
- Reduced congress registration fee at the biennial international ISCFS Congress
- Professional networking

## JOIN US!

ACTIVE/ASSOCIATE

RESIDENT/REGISTRAR/  
FELLOW



INTERNATIONAL  
SOCIETY OF  
CRANIOFACIAL  
SURGERY

[www.iscfs.org](http://www.iscfs.org)

# EVENT CALENDAR

## AMERICAN CLEFT PALATE CRANIOFACIAL ASSOCIATION (ACPA)

Location: Sheraton Downtown,  
Denver, USA

Date: April 9-13, 2024

Website: [https://acpacares.org/  
annual-meeting/](https://acpacares.org/annual-meeting/)

## AMERICAN SOCIETY OF CRANIOFACIAL SURGEONS (ASCFS)

Location: Sheraton Downtown,  
Denver, USA

Date: April 11-13, 2024

Website: [https://ascfs.org/  
Professionals/](https://ascfs.org/Professionals/)

During the ACPA conference

## XVII CONGRESSO BRASILEIRO DE CIRURGIA CRÂNIO-MAXILO-FACIAL (ABCCMF)

XIV CONGRESSO BRASILEIRO DE  
FISSURAS LÁBIO PALATINAS E  
ANOMALIAS CRANIFACIAIS (ABFLP)

## 5TH CONGRESS LATINAMERICAN CRANIOFACIAL ASSOCIATION (LATICFA)

Location: Royal Palm Hall -  
Campinas/SP, Brasil

Date: August 29-31, 2024

Website: [www.abccmf.org.br/  
congresso](http://www.abccmf.org.br/congresso)

## EUROPEAN SOCIETY OF CRANIOFACIAL SURGERY BIENNIAL CONFERENCE (ESCFS 2024)

Location: Scandic Marina  
Congress Center, Helsinki,  
Finland

Date: September 5-7, 2024

Website: <http://www.escfs.org/>

## 27TH EACMFS CONGRESS

Location: Rome, Italy

Date: September 17-20, 2024

Website: [www.eacmfs.org](http://www.eacmfs.org)

Pre-Congress Day:

September 16, 2024

## THE 82ND CONGRESS OF KOREAN SOCIETY OF PLASTIC AND RECONSTRUCTIVE SURGEONS

## THE 27TH KOREAN CLEFT PALATE- CRANIOFACIAL ASSOCIATION

Location: Grand Intercontinental  
Seoul Parnas, Seoul, Korea

Date: November 17-19, 2024

Website: [www.kcpca.or.kr](http://www.kcpca.or.kr)

## SAVE THE DATE 21ST ISCFS CONGRESS

Location: Shanghai, China

Date: October 21-24, 2025

Website: [www.iscfs.org](http://www.iscfs.org)

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To submit a meeting to the calendar in our next issue,  
send the following information to [admin@iscfs.org](mailto:admin@iscfs.org):  
Meeting Title, Location, Dates, Website.

## ISCFS MANAGEMENT

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MARIANA SABAS, Argentina - Council  
DAVINDER SINGH, United States - Council  
ERIC ARNAUD, France - Parliamentarian

### ISCFS SOCIETY MANAGEMENT TEAM

BARBARA BOELD, Germany - Executive Director  
CATHERINE FOSS, United States - Administration  
VERENA REINMUTH, Germany - Administration



**INTERNATIONAL  
SOCIETY OF  
CRANIOFACIAL  
SURGERY**

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80538 Munich, Germany

**US email:** [admin@iscfs.org](mailto:admin@iscfs.org)

**Europe email:** [office@iscfs.org](mailto:office@iscfs.org)

[www.iscfs.org](http://www.iscfs.org)



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**SAVE THE DATE**



**ISCFS 2025**

**21-24 OCTOBER**

Shanghai, China | [www.iscfs.org](http://www.iscfs.org)

**ISCFS PRESIDENT: DR. XIONGZHENG MU**



**Dr. Xiongzhen Mu and Dr. Xudong Wang  
invite you to Shanghai, China for the 21st  
Congress of the ISCFS in **October 21-24, 2025.****



**Dr. Xiongzhen Mu**  
2023-2025 ISCFS President



**Dr. Xudong Wang**  
Assistant Dean, Shanghai  
People's 9th Hospital

**SEE YOU IN  
SHANGHAI!**

