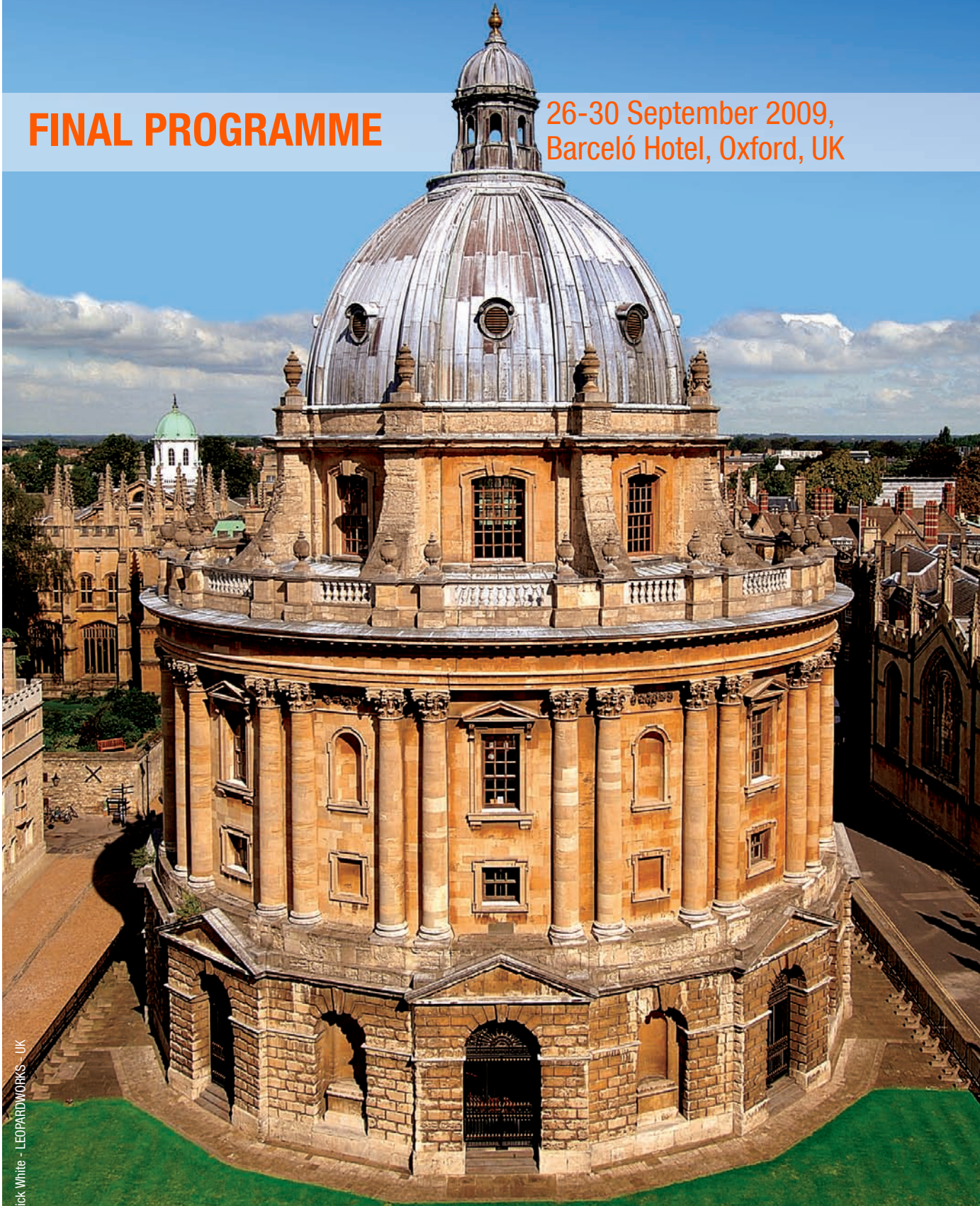


Craniofacial Surgery Controversies and Consensus

ISCFS XIII Biennial International Congress
Incorporating the Paris Distraction Symposium

FINAL PROGRAMME

26-30 September 2009,
Barceló Hotel, Oxford, UK



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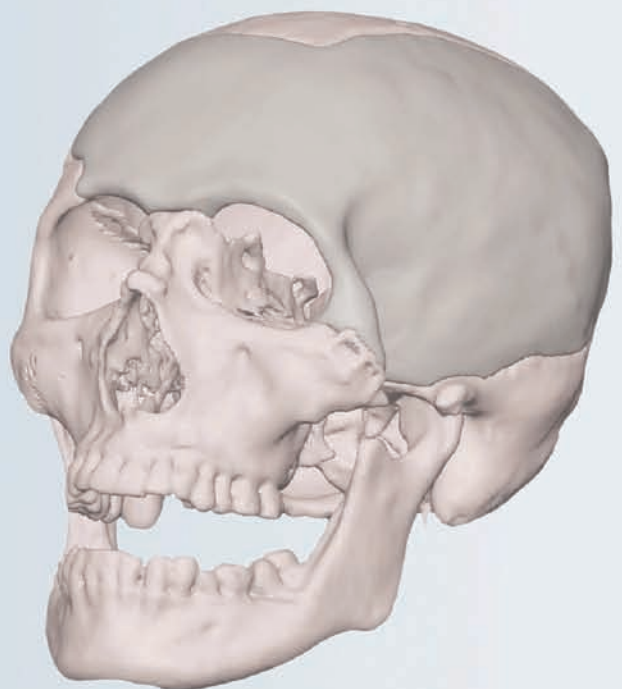
www.iscfs-distraction2009.com



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FINAL PROGRAMME

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THE ISCFS



The **International Society of Craniofacial Surgery** (ISCFS) was founded in 1983.

It provides a forum for surgeons to exchange information and technology, fostering a worldwide community of leading experts in this highly specialized field of medicine.

The goals of ISCFS are to:

- Furnish leadership and foster advances in craniofacial surgery
- Provide a forum for exchange of knowledge pertaining to the practice
- Stimulate research, investigation, and teaching methods for preventing and correcting congenital and acquired craniofacial deformities
- Enhance the study and practice of craniofacial surgery
- Afford recognition to those who have contributed to craniofacial surgery by extending to them membership in the ISCFS

We invite you to visit the ISCFS web site www.iscfs.org or contact info@iscfs.org to learn more on the society.



FOREWORD

ISCFS XIII Biennial International Congress - 26 to 30 September 2009

On behalf of the ISCFS, the council & officers, and the academic committee of the congress, I welcome you to Oxford for ISCFS XIII incorporating elements of the Paris Distraction Symposium.

We have been extremely fortunate in having had a submission of 447 abstracts from all aspects of craniofacial care submitted. This has allowed the academic committee, working on a blinded/anonymized basis, to make selections which have enabled us to design a high quality and comprehensive academic programme across the period of the congress.

We have also been able to incorporate significant distraction expertise for the Distraction Symposium as well as drawing on other extensive experience in all elements of craniofacial care to address various controversial areas of craniofacial care at the pre-Symposium on Sunday. We hope this will put our delegates in a position to appreciate some of the consensus views on various subjects.

The unprecedented number of registrants for this ISCFS congress has meant that we have had to make substantial changes to the conference facility in order to avoid having to turn away potential registrants. This has been successfully achieved allowing us to host all applicants and despite the current "financial crisis" on a worldwide basis which has resulted in a significant decrease in corporate sponsorship for educational purposes such as this meeting.

In this regard I would also like to thank our sponsors who have been able to contribute to the meeting.

I hope that you have both an enjoyable and successful congress in terms of the academic programme, as well as establishing new contacts and renewing friendships within the social environment of Oxford.

*Steven Arthur Wall,
MBBCh (rand) FRCS FRCPCH FCS (SA) plast
ISCFS President, 2007-2009*



Dear Colleagues,

It is a genuine pleasure and a true honour to welcome you to the « Paris Distraction meeting » taking place in Oxford in 2009, under the auspices of the XIII ISCFS biennial meeting.

First, I would like to thank all ISCFS past-presidents who unanimously supported the idea of this exceptional link between the two events. The geographical location of the ISCFS meeting in Europe is infrequent and coincided this year with the Distraction Symposium. But I would like to address special thanks to the current (2007-2009) ISCFS President, Steven Wall, who made it possible, by seizing this unique opportunity: this has meant considerable additional work to synchronize the two events, but the scientific potential of the two has been realized, with a record number of abstracts in the history of both meetings.

Some of you may not know that the idea itself of an independent "distraction symposium in Paris" was promoted by Patrick Diner and Marie-Paule Vazquez during the 1995 ISCFS meeting hosted by Daniel Marchac in Saint-Tropez, when distraction techniques started to appear as extremely promising, soon after the initial communications during the 1993 ISCFS meeting held by Fernando Ortiz-Monasterio in Oaxaca. This led to scientifically fruitful Distraction Meetings in Paris in 1997, 1999, 2001, 2003 and 2006, in which Joe McCarthy (past president) and Fernando Molina, both ISCFS members, pioneered the way in distraction techniques. Now that distraction is a well established procedure in all fields of craniofacial, maxillofacial and oral surgery, it is part of every meeting in any specialty, and the rationale for a separate distraction meeting has disappeared. This conjunction of the two events is therefore a way to close the loop back to ISCFS, where it started.

However, there is a much larger challenge in the conjunction of the XIII ISCFS Meeting and the Distraction Symposium in 2009. Over the years, we have met in the Paris meeting quite a few maxillofacial surgeons truly innovative in distraction and with considerable experience. Some of them have contributed significantly to the field and are providing rigorous scientific studies. We have supported the idea that all the disciplines should get the opportunity to know the ISCFS group. I truly believe in the collaboration of all specialties, toward the unique goal of achieving better treatment for our patients with complex conditions. I hope this goal has also been achieved. It is not the least of my preoccupations, trying to follow the strategic planning of the society initiated by past-presidents Ken Salyer and David David who deserve special thanks for that.

This ISCFS meeting is the first one after the death of Paul Tessier (1907-2008). All surgeons of the cephalic area owe him something, but Craniofacial Surgery has lost its father. Paul Tessier had called distraction osteogenesis a revolution. This revolution might have come to the end of its cycle but immense challenges are arising, such as biologically-assisted surgery.

Keeping this in mind, I wish you all an excellent meeting in Oxford. MCI, our Organising Secretariat has achieved a great job in helping for the preparation of both meetings.

*Eric Arnaud,
ISCFS Secretary-Treasurer
Co-organiser of the Distraction Symposium
with Patrick Diner*



ENDORSEMENTS

The ISCFs XIII Biennial International Congress and Paris Distraction Symposium are endorsed by the following Scientific Societies:



ESCFS European Society of Craniofacial Surgery
www.escfs.org



Nuffield Department of Surgery And University of Oxford
www.ox.ac.uk



BAPRAS British Association of Plastic Reconstructive and Aesthetic Surgeons
www.bapras.org.uk



ICPA International Confederation for Cleft Lip and Palate and Related Craniofacial Anomalies
www.int-confed-cpa.org



APCA Asian Pacific Craniofacial Association



EACMFS European Association for Cranio Maxillo Facial Surgery
www.eurofaces.com



ABCCMF Associação Brasileira de Cirurgia Crânio-Maxilo-Facial
www.abccmf.org.br



AFCMF Association Française des Chirurgiens Maxillo-Faciaux

GENERAL INFORMATION & CONDITIONS

WELCOME TO OXFORD

Oxford, city of the “Dreaming Spires”, welcomes you for the ISCFs XIIIth Biennial International Congress and associated Distraction Symposium. Home of nobility and scholars, visiting this city is like entering a living museum, with world famous University Colleges, honey coloured stone buildings, eminent museums, libraries and a peaceful riverside setting.

In addition to notable landmarks and traditions, the city centre, with well known and independent retailers and the historic Covered Market, also makes Oxford a wonderful destination for shopping.

These and other popular elements blend with Oxford’s lively mix of restaurants, cafés, pubs and theatres to give this fabulous city its alluring vibrant and cosmopolitan buzz.

Enjoy Oxford!!

VENUE AND DATES

The ISCFs XIII Biennial International Congress and Distraction Symposium will be held from Saturday, September 26th to Wednesday, September 30th, 2009 at the Barceló Hotel the city’s newest and most well-appointed four-star conference venue, ideally located approximately 2 miles from the colleges and museums in Oxford’s historic centre.

OFFICIAL LANGUAGE

Organised by an International Society, the official language of the congress is English.

CONGRESS OFFICE

On-site Secretariat:

It will be located in the lobby of the Hotel and opens as follows:

- FRIDAY, 25 SEPTEMBER 2009: 13h30-18h00
- SATURDAY, 26 SEPTEMBER 2009: 07h00-19h00
- SUNDAY, 27 SEPTEMBER 2009: 07h00-18h00
- MONDAY, 28 SEPTEMBER 2009: 07h00-18h00
- TUESDAY, 29 SEPTEMBER 2009: 07h00-18h00
- WEDNESDAY, 30 SEPTEMBER 2009: 07h00-13h00

Congress documentation is available there for pre-registered delegates and for anyone wishing to register on-site.

You can reach the on-site secretariat on:

- Email:
- general information: info@iscfs-distraction2009.com
 - registration and accommodation: reg@iscfs-distraction2009.com
 - abstracts and scientific programme: prog@iscfs-distraction2009.com
 - exhibition and sponsorship: exh@iscfs-distraction2009.com

After the meeting:

ISCFs DISTRACTION 2009 c/o MCI France
24 rue Chauchat 75009 Paris - France
Tel.: + 33 (0)1 53 85 82 81 - Fax: + 33 (0)1 53 85 82 83
Web: www.iscfs-distraction2009.com

BADGES IDENTIFICATION

A named badge will be provided with your registration documents upon arrival at the Barceló Hotel.

For security and regulation process, the wearing of the badge is compulsory at all times both inside the Barceló Hotel and at all socials events organised within the context of the Congress.

The badges colour codes are:

DELEGATE PACKAGE A: WHITE - DELEGATE PACKAGE B: GREEN - DELEGATE PACKAGE C: BLUE
PRESS: YELLOW - EXHIBITOR: RED - ACCOMPANYING PERSON: ORANGE - STAFF: BLACK

REGISTRATION

Access to all Congress activities is subject to registration.

On-site fees

3 participation packages are proposed to delegates and trainees who can select the period / length of participation they prefer:

Package A = Distraction & Pre-Congress Symposiums (26th + 27th September 2009)

Package B = ISCFS XIII Congress (28th + 29th + 30th September 2009)

Package C = A+B (26th to 30th September 2009)

REGISTRATION CATEGORIES	PACKAGE	ON SITE REGISTRATION FEES
DELEGATE	A	€ 500 / £ 470
	B	€ 675 / £ 634.50
	C	€ 975 / £ 916.50
TRAINEE	A	€ 500 / £ 470
	B	€ 675 / £ 634.50
	C	€ 975 / £ 916.50

Fees include British VAT at 15%, as current rate at the day of printing.

Registration fees include:

- Admission to the scientific sessions on days included in the selected package.
- Access to posters and exhibition areas.
- Admission to the Welcome drink (package A and package C).
- Admission to the Congress Reception (package B and package C).
- Congress documents (final programme, Congress bag, abstracts publication)
- Lunches, morning and afternoon breaks on days included in the selected package.

Terms of Payment

The ISCFS has given a mandate to MCI for the full organisation of the ISCFS XIII BIENNIAL and DISTRACTION SYMPOSIUM. MCI is the sole competent company to receive payments for this event and to act on behalf of the ISCFS for the whole organisation (conference & exhibition).

On-site payments may be made either:

- cheque payable in Euros (€) or in POUND STERLING (£) to the order of ISCFS DISTRACTION 2009 – MCI
- credit card: VISA / MASTERCARD / EUROCARD / AMERICAN EXPRESS (no other cards accepted)
- by cash (Euros or Pound Sterling)

ISCFS-DISTRACTION 2009 bank account details are:

ISCFS-DISTRACTION 2009 c/o MCI

CREDIT LYONNAIS PARIS LA FAYETTE, 59 rue La Fayette, 75009 PARIS, France

Bank Code: 30002 – Sort code: 05666

Account N° 0000060133P – Key 15

IBAN: FR91 3000 2056 6600 0006 0133 P15 / BIC: CRLYFRPP

Name substitutions

Name substitutions are not accepted and are considered as new registrations.

Lost badges

If you have lost your badge please report to the Lost & Finds desk (on-site registration). If your badge has not been found, its re-issuing will be considered as a new registration.

ACCOMMODATION

If you have used the Congress Office services to handle your accommodation, please do not hesitate to ask onsite welcome desk staff for information/ assistance.

Please remember:

- All guests will be responsible for their own accommodation and incidental charges which are to be settled upon departure from the hotel.
- "No Shows" on the first night will automatically cancel the entire reservation and involve the loss of the entire prepayment. Hotels reserve the right to charge you also for the remaining cancelled nights uncovered by the prepayment.
- If you shorten your stay, no refund will be made of the cancelled pre-paid room nights.

CANCELLATION POLICY

Cancellations must be notified in writing (by mail or fax BUT NOT email) to the Congress Office and are subject to the following conditions:

- Up to June 15th, 2009: € 100 / £ 94 will be withheld for administrative fee.
- After June 15th, 2009, no refunds will be issued.
- No refunds on agreed / paid registration fee and hotel pre-payment will be issued for cancellation or no-show due to failure to obtain a visa.



PRACTICAL INFORMATION

ABSTRACTS

All abstracts and presentations are in English.

The abstracts book is in your Congress bag and contains all the Free Communications (oral and posters) accepted by the Abstracts Selection Committee as well as some invited speakers abstracts.

Companies and participants may copy material for their personal use; copying for sale or for any other commercial purpose is prohibited.

CATERING FACILITIES

Lunches, morning and afternoon breaks are included in the registration fees according to the participation package you have selected. They will be served in the conference venue area and exhibition hall.

CELLULAR PHONES

Participants are kindly requested to turn off their mobile phones when entering the meeting rooms and in the posters area.

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be provided to all pre-registered and on-site registered attendees.

CLIMATE

The weather in Oxford in September is generally mild with occasional hot and sunny days; the daily temperatures range from 9°C to 18°C.

CLOAKROOM

A cloakroom will be at the attendees disposal free of charge in the conference centre lobby, near the exhibition area.

Opening times will be the same as sessions / welcome desk hours.

CONGRESS BAG

Each participant is entitled to a Congress bag that has to be collected at the registration area.

CURRENCY

All fees and rates in this programme are in EUROS (€) and in POUND STERLING (£) and payment can be done in both currencies.

DISABLED PERSONS ACCESS

All spaces occupied by the meeting at Barceló Hotel as well as at the social events venues are accessible for disabled persons. For any questions / assistance please contact the organisation team at the congress welcome desk.

DUPLICATION, RECORDING, PHOTOS

Photography, audio-taping, video-recording, digital taping or any other form of duplication is strictly prohibited in the session rooms and posters areas.

ELECTRICITY

Electricity used in England is 240 Volts; its frequency is 50 Hz.

You need a transformer for your electrical or electronic equipment using different voltage (ie. USA, Canada, Europe)

EXHIBITION

The exhibition is open to all registered attendees (not to accompanying persons) and is held in the University Suite (ground floor).

Official Exhibition Opening:

Saturday 26th September 2009 from 19h00 to 20h30

Exhibition opening hours:

- SATURDAY, 26 SEPTEMBER 2009: 19h00-21h00
- SUNDAY, 27 SEPTEMBER 2009: 08h00-18h00
- MONDAY, 28 SEPTEMBER 2009: 08h00-18h00
- TUESDAY, 29 SEPTEMBER 2009: 08h00-18h00
- WEDNESDAY, 30 SEPTEMBER 2009: 08h00-12h30

Access to the exhibition is by badge only.

HOW TO GET TO BARCELÓ

Meeting transportation: The Organisers provide attendees staying at the official meeting hotels with a shuttle service during all meeting days to and from the Barceló, in the morning before the sessions start and in the evening after sessions are over. You can find the exact timetable and routing in your badge holder as well as in your hotel lobby. Transportation is provided also for the Social events to some of the official meeting hotels. For details please refer to your invitation card and timetable in your badge holder / hotel lobby.

Travel by car: If you wish to reach the Barceló by car, please check the meeting website for details (see PRACTICAL INFORMATION SECTION). It is recommended to use the "Park and Ride" system as parking in Oxford is difficult and expensive! Oxford's Park and Ride service enables visitors to leave their cars at locations close to the ring-road and travel into the city centre on a frequent bus service.

Travel by train: If you are coming to Oxford by train, the train station is 3-4 miles away from the Barceló and taxis are available at station.

Travel by city bus: the following bus route has a stop located a 2 minute walk from the Barceló:

The Bus stop is called Mere Road and the bus number is number 6.

INTERNET

Attendees (hotel guests as well as non Barceló guests) can purchase vouchers for internet connection from the hotel reception desk, on a daily basis. The cost would be from the following packages:

Business 24 Hours - £15.00

- Duration: 24 consecutive hours
- Data transfer: unlimited
- Value added services;
 - Free national/international calls to any landline
 - Free Printing
 - Online newspapers

Economy 24 Hours - £12.50

- Duration: 24 consecutive hours
- Data transfer: up to 500 Megabytes
- Value added services: No extra services included

Please note that Internet connection is not be available in the plenary room.

Attendees staying at the Barceló can benefit from a 30 minutes free connection per day. They need to claim this at the reception desk each day. The 30 minute free WIFI is for coverage only in the bar and lobby areas.

LIABILITY DISCLAIMER

ISCFS and MCI cannot be held liable for any hindrance or disruption of Congress proceedings arising from political, social, health or economic events or any other unforeseen incidents beyond their control. The Congress cancellation conditions shall apply in any case. Registration of a participant entails acceptance of the cancellation conditions.

It is recommended that participants obtain adequate cover for travel, health, accident and cancellation insurance before they depart from their countries. ISCFS and MCI as organizers will accept no liability for personal injuries sustained by or for loss or damage to property belonging to Congress participants and accompanying persons either during or as a result of the Congress or during all tours and events.

LOST AND FOUND

Lost items should be returned to the Congress Welcome Desk (Hotel lobby – On-site registrations). Should you loose anything, please report to this desk for assistance.

POSTERS

Posters will be on display in the **Oriel room, ground floor**, located near the main meeting room. The Organisers will have thumb tacks at your disposal in the Scientific Secretariat, Radley room, 1st floor as well as in the Posters room.

The posters must be **installed** on:

SATURDAY 26TH SEPTEMBER 2009 from 14h00 to 18h30 and SUNDAY 27 SEPTEMBER 2009 from 8h00 to 12h00 (or Monday morning for package B authors).

The posters must be **removed** on:

WEDNESDAY 30TH SEPTEMBER 2009 from 10h00 to 13h30 (or Sunday evening for package A authors).

The Organisers are not responsible for loss or damage to those posters which are not removed by authors within the times of dismantling as indicated above. Posters not removed by their authors at the stated time, will be automatically destroyed.

PRE-VIEW ROOM - RADLEY ROOM

Located on the 1st floor

This room will be open at the following times:

- FRIDAY 25 SEPTEMBER 2009 from 14h00 to 18h30
- SATURDAY 26 SEPTEMBER 2009 from 7h00 to 18h30
- SUNDAY 27 SEPTEMBER 2009 from 7h00 to 18h30
- MONDAY 28 SEPTEMBER from 2009 7h00 to 18h30
- TUESDAY 29 SEPTEMBER from 2009 7h00 to 18h30
- WEDNESDAY 30 SEPTEMBER from 2009 7h00 to 13h30

All presentations must be in English.

Each speaker should also verify in the final programme that the time of his/her session(s) has not changed.

FINAL PROGRAMME



SIGHTSEEING

Oxford is steeped in a rich history and is a cultural melting pot with its diverse and dynamic character. The city offers a large range of sightseeing options. Please check the official Tourist Information Centre web site for information about tours programme, activities and suggestions for sightseeing: www.visitoxford.org/

SMOKING POLICY

Please note that smoking is prohibited by law within the Congress premises and in social events venues.

TELEPHONE

- To call abroad from England, dial 00 for international and then your country code.
- For international calls to England, dial the international code followed by 44 and the correspondent's number (without the 0).

USEFUL WEB SITES

ISCFS:

International Society of Craniofacial Surgery: www.iscfs.org

Congress venue:

Barceló hotel: www.barcelo-hotels.co.uk

Tourist information:

www.oxfordcity.co.uk

www.visitoxford.org

www.oxfordcityguide.com

Transportation:

Rail transportation: www.nationalrail.co.uk

Transportation from the airports to Oxford: www.theairline.info

Parking service: www.parkandride.net

Social events venues:

Christ Church: www.chch.ox.ac.uk

Oxford University Museum of Natural History: www.oum.ox.ac.uk

VISA

All participants and exhibitors are reminded that a visa may be required for foreign citizens entering England and that they should have applied for a visa at their local English consulate or embassy.

NO refunds of agreed registration fees and hotel pre-payment will be issued for cancellation or non-attendance due to failure to obtain a visa.

SOCIAL EVENTS

The social programme of the Congress is an important part of the event itself. It creates the opportunity for delegates from different countries to talk together outside the busy scientific sessions! In a laid back atmosphere, new relationships begin and old friends meet.

- The dress code for these Congress events is business attire.
- Reservation requests will be treated on a first come first served basis.
- Pre-registration to all social events is required.



WELCOME DRINK

Saturday September 26th, 2009 - 19h00 - Barceló Hotel – Exhibition hall

Join in to share a convivial moment with participants, exhibitors and spouses in the exhibition area. A perfect opportunity for networking while enjoying refreshments.

Transportation provided at the end of the cocktail from the Barceló Hotel to the Congress official hotels. Included in the registration fees for participants (Package A and C). Spouses are welcome at the end of the cocktail from a participation fee of € 25 / £ 23,50.



CONGRESS DINNER

Monday September 28th, 2009 – 20h00 - Christ Church College

Christ Church is the largest college in Oxford founded in 1546 by King Henry VII; it is the only college in the world with a cathedral within its walls. Amongst a long list of famous members and students of the college was Lewis Carroll the author of Alice's Adventures in Wonderland'. Visit the great hall, the quadrangles, the cathedral and grand staircase to discover the inspiration for this famous children's' story. Christ Church was also the setting for 'Hogwarts' in the Harry Potter films. Enjoy a refined dinner in this magic and elegant Oxford landmark.

Transportation provided from and to the Barceló Hotel and Official Congress Hotels. Participants, exhibitors and spouses are welcome with a participation fee of € 110 / £ 103,40. Limited number of seats.



CONGRESS RECEPTION

Tuesday September 29th, 2009 – 19h30 - Oxford University Museum of Natural History

The Oxford University Museum of Natural History was opened in 1860 specifically to house the University's scientific collections of zoological, entomological, geological and mineralogical specimens. The Regius Professor of Medicine and his department had rooms along with other scientific departments, all of which have grown into their own buildings over the last 150 years. The Museum is now a Grade I listed building, renowned for its Victorian neo-Gothic architecture and details. The main court is tall and light with a glass roof, which is where the evening cocktail reception will be held amongst the dinosaurs and other displays!

Transportation provided from and to the Barceló Hotel and Official Congress Hotels. Included in the registration fees for participants (package B and C). Exhibitors and spouses are welcome with a participation fee of € 50 / £ 47. Limited number of seats.

The Organising Committee would like to thank the **industry partners** listed below for their participation and support to the meeting.
Special thanks are addressed to the meeting **PLATINUM SPONSOR: KLS MARTIN**

THE EXHIBITION

PLATINUM SPONSOR

KLS Martin Group Gebr. Martin GmbH & Co KG **BOOTH N° 3**

Contact person: Mr. Oliver Scheunemann
Phone: +49 7461 7060
Fax: +49 7461 706193
E-mail: info@klsmartin.com
Web Site: www.klsmartin.com
Address: Ludwigstaler Str. 132, 78532 Tuttlingen, Germany
General Activity: KLS Martin – Surgical Innovation is our Passion. Every day, KLS Martin starts out afresh to confront the high challenges of a global market head-on and with renewed energy. Our number one goal is always the same: people's health.

3dMD **BOOTH N° 9**

Contact person: Mrs. Kelly Duncan
Phone: +44 (0) 207 368 1630
Fax: +44 (0) 207 937 3400
E-mail: info@3dmd.com
Web Site: http://www.3dMD.com
Address: Vicarage House, 58-60 Kensington, Church Street W8 4DB London, United Kingdom
General Activity: 3dMD is a leading worldwide supplier and developer of non-invasive high-precision 3D surface imaging systems and 3D software based on a scientific biomechanical foundation for planning high precision surgical outcomes.

Biomet Microfixation **BOOTH N° 8**

Phone: +1 904 741 4400 / +31 78 629 29 10
Fax: +1 904 741 4500 / +31 78 629 29 12
Web Site: www.biometmicrofixation.com
Address: Global Headquarters: 1520 Tradeport Drive, Jacksonville, FL 32218 - USA
Europe: Toermalijnring 600, 3316 LC Dordrecht The Netherlands
General Activity: Biomet Microfixation is a leading developer and manufacturer of advanced craniomaxillofacial products. New products include our TraumaOne facial fracture fixation and reconstruction system and the TMJ OnPoint 1.2mm Scope System.

Codman, Johnson & Johnson Medical **BOOTH N° 4**

Contact person: Philip Daw, UK Product Manager
Phone: +44 77 67 31 17 11
E-mail: pdaw1@its.jnj.com
Web-Site: www.codman.co.uk
Address: Johnson & Johnson Medical Ltd, Pinewood Campus, Nine Mile Ride, RG40 3EW Wokingham, United Kingdom
General Activity: Codman, a division of Johnson & Johnson develops and markets a wide range of diagnostic and therapeutic products for the treatment of central nervous system disorders. Our focus is on Intractable Pain & Spasticity Management, Paediatric & Adult Hydrocephalus, Neuro Critical Care, and Neuro Vascular Diseases.

Medical Modeling Inc. **BOOTH N° 7**

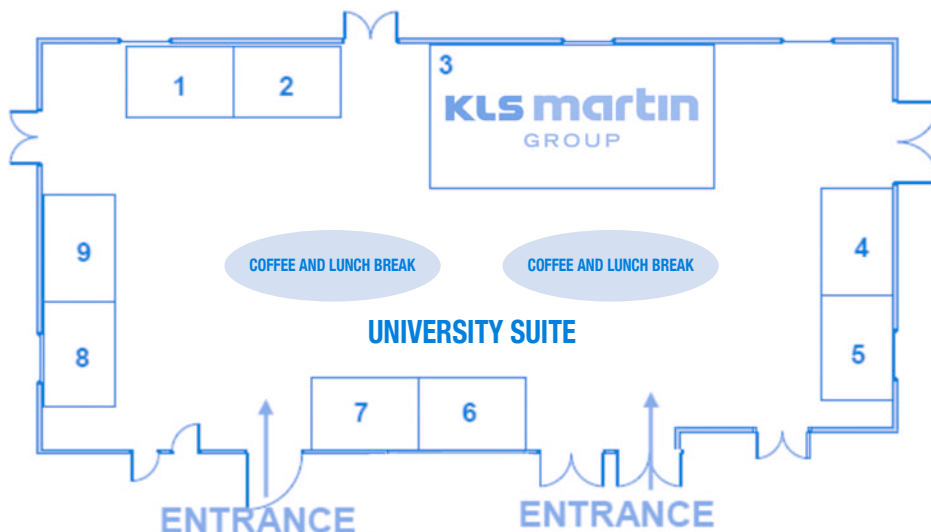
Phone: +1 303 273 5344
Fax: +1 303 273 6463
E-mail: info@medicalmodeling.com
Web Site: www.medicalmodeling.com
Address: 17301 W. Colfax Avenue, Suite 300, Golden, CO 80401, USA
General Activity: Medical Modeling provides surgeons worldwide with tactile surgical models based on patient CT or CBCT data to enhance surgical planning. Additionally the company provides expertise in virtual planning for complex cases using the SimPlant OMS and SurgiCase CMF software platforms.

Stryker **BOOTHS N° 1 & 2**

Phone: +41 21 966 12 01
Fax: +41 21 966 13 37
Web Site: www.stryker.com
Address: Grand-Rue 90 - 92, 1820 - Montreux, Switzerland
General Activity: Stryker Corporation is one of the world's leading medical technology companies with the most broadly based range of products in orthopaedics and a significant presence in other medical specialties. Stryker works with respected medical professionals to help people lead more active and more satisfying lives.

Synthes Ltd **BOOTH N° 6**

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General Activity: Synthes is a leading global medical device company. We develop, produce and market instruments, implants and biomaterials for the surgical fixation, correction and regeneration of the human skeleton and its soft tissues.





GUIDE TO THE SCIENTIFIC PROGRAMME

The Scientific Programme is composed by three main sections:

- Distraction Symposium: Saturday 26th September, 2009
- Congress Pre-symposium: Sunday 27th September, 2009
- XIII ISCFs Congress: Monday 28th, Tuesday 29th and Wednesday 30th September, 2009

Distraction Symposium - Saturday 26th September 2009

This symposium follows the format of the previous Paris Distraction Congress with sessions devoted to the various aspect of distraction osteogenesis in the craniofacial skeleton.

Morning sessions are a combination of free scientific papers chosen from general submissions and panel discussions by experts in the field. This is held in the plenary room and attended by all delegates.

Afternoon sessions are parallel interactive sessions (SHARK) based on case presentations selected from general abstract submission and from invited speakers.

Congress Pre-symposium - Sunday 27th September 2009

This pre-symposium is based on the theme "Controversies and Consensus in Craniofacial Surgery"

It consists of four themed sessions – distraction based in the morning and general multi-disciplinary Craniofacial surgery in the afternoon.

Selected panels will give case based discussions around selected "controversies" with audience participation to try and establish "consensus" in terms of management, outcomes and implications of conditions and current treatment modalities.

ISCFs XIII Congress - Monday 28th September to Wednesday 30th September 2009

As in the past this 2.5 day Congress is offer themed free paper based sessions on all major multidisciplinary aspects of craniofacial care from basic science research to state of the art management options.

In each session, a large portion of time is dedicated to discussion and questions.

Please remember:

*Access to all sessions and satellite symposium is included in the registration fees **according to the package you have chosen.***

PRESENTATIONS AND TIMING

The Congress has been designed to allow approximately 25% of the time to be allocated to discussion. It is therefore essential that all papers run to time as the programme has been laid out to-the-minute, with no leeway for overruns of any of the presentations.

Any overruns would eat into the discussion time, which would be a significant disadvantage to other participants in the relevant session.

Although it may appear to be a draconian step, the decision has been made to return to the previous time control measures initially established in the Taiwan meeting. This is based on a 3-colour traffic light system: a green light will remain on throughout the talk duration until 30 seconds from the end, at which point it will change to yellow. At 15 seconds from the end of the allocated time, the yellow will change to red. At the end of the allocated time, the AV system in terms of microphone and slides will be switched off. This will occur with no exceptions.

It is therefore essential that all presenters keep within their allocated time to avoid the disappointment of not being able to present their conclusions.

CME

EACCME

The ISCFs XIII Congress and Distraction Symposium have applied to the European Accreditation Council for Continuing Medical Education (EACCME) to provide the CME activity for medical specialists.

The EACCME is an institution of the European Union of Medical Specialists (UEMS); you may find more information on their website: www.uems.net.

The meeting attendees will be informed by the Congress Office, after the meeting, on the EACCME reply to the application. Should the meeting be granted accreditation, they will be sent a certificate stating the number of hours / CME gained.

FRENCH CME

The meeting will provide in total **28 credits in category 1** according to the registration attendance rules.

This accreditation is certified by the Collège Français de Chirurgie Plastique, Reconstructrice et Esthétique (CFCPRE).

PRESENTERS DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

The ISCFs and DISTRACTION SYMPOSIUM Organising Committee requires that all presentations be as free of commercial bias as possible and that any information on commercial products or services be based on already generally accepted medical thinking. It is also preferred that generic drug names be used wherever possible and that any presentation referring to unlabelled or research-associated commercial products should disclose this situation to session attendees/on posters display.

DISTRACTION SYMPOSIUM		CONGRESS PRE-SYMPOSIUM			
SATURDAY 26 TH SEPTEMBER		SUNDAY 27 TH SEPTEMBER			
08H00 S01 - INTRODUCTION		08H00 - 08H05 S10 - OPENING PRE SYMPOSIUM	POSTERS VIEWING	EXHIBITION OPEN	
08H02 - 08H20 S02 - INAUGURAL LECTURE		CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL DISTRACTION - PART 1			
08H20 - 08H50 S03 - RESEARCH LECTURES		08H05 - 08H55 S11 - LEFORT 1			
08H50 - 10H00 S04 - SEGMENTAL - PALATAL SYMPHYSEAL. TMJ		08H55 - 10H00 S12 - MANDIBLE AND TMJ			
10H00 - 10H30 COFFEE BREAK		10H00 - 10H30 COFFEE BREAK			
10H30 - 11H40 S05 - OSAS / DISTRACTION		CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL DISTRACTION - PART 2			
11H40 - 12H25 S06 - COMPLICATIONS - OCCLUSION PROBLEMS IN DISTRACTION		10H30 - 11H30 S13 - LEFORT 3			
12H25 - 12H40 S07 - SPECIAL LECTURE	11H30 - 12H30 S14 - MONOBLOC				
12H40 - 14H15 LUNCH BREAK	12H30 - 14H00 LUNCH BREAK				
14H15 - 16H15 S08 - FREE PAPERS DISTRACTION AND BONE TRANSPORT MANDIBULAR DISTRACTION MAXILLARY DISTRACTION CRANIOFACIAL DISTRACTION	POSTERS VIEWING	CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL DISTRACTION - PART 3 14H00 - 14H45 S15 - POSTERIOR EXPANSION			
16H15 - 16H45 COFFEE BREAK		14H45 - 15H50 S16 - CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL SURGERY PART 1			
16H45 - 18H35 S09C INTERACTIVE SESSION CRANIOFACIAL		15H50 - 16H20 COFFEE BREAK	16H20 - 17H10 S17 - CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL SURGERY PART 2		
16H45 - 18H25 S09M INTERACTIVE SESSION MAXILLOFACIAL		17H10 - 17H40 S18 - IRRADIATION CONTROVERSIES IN IMAGING	17H40 - 17H50 S18B - CLOSING REMARKS		
19H00 - 20H30 OFFICIAL EXHIBITION OPENING & WELCOME DRINK AT THE Barceló HOTEL		18H00 - 19H30 SORG - SATELLITE SYMPOSIUM SPONSORED BY KLS MARTIN "DISTRACTION OSTEOGENESIS – FROM FIRST IDEAS TO ROUTINE CLINICAL APPLICATIONS"			

FINAL PROGRAMME - SCHEDULE AT A GLANCE



ISCFS XIII BIENNIAL INTERNATIONAL CONGRESS								
MONDAY 28 TH SEPTEMBER			TUESDAY 29 TH SEPTEMBER			WEDNESDAY 30 TH SEPTEMBER		
08H00 - 08H12 S19 - CONGRESS OPENING AND PRESIDENTIAL ADDRESS	POSTERS VIEWING	EXHIBITION OPEN	08H00 - 09H50 S26 - SYNDROMIC CRANIOSYNOSTOSIS	POSTERS VIEWING	EXHIBITION OPEN	08H00 - 09H20 S30 - MONOBLOC, MIDFACE, DISTRACTION	POSTERS VIEWING	EXHIBITION OPEN
08H12 - 08H45 S20 - PAUL TESSIER VALEDICTORY						09H20 - 09H40 S31A - TRAUMA PART 1		
08H45 - 09H15 S21- TESSIER LECTURE						09H40 - 10H10 COFFEE BREAK		
09H15 - 10H30 S22A - CRANIOFACIAL ORTHODONTICS PART 1			09H50 - 10H20 COFFEE BREAK			10H10 - 11H15 S31B - TRAUMA PART 2		
10H30 - 11H00 COFFEE BREAK			10H20 - 12H15 S27 - NON SYNDROMIC CRANIOSYNOSTOSIS			11h15 - 12H05 S32 - TUMOR		
11H00 - 11H45 S22B - CRANIOFACIAL ORTHODONTICS PART 2			12H15 - 13H30 LUNCH BREAK			12H05 - 12H55 S33 - AESTHETIC SURGERY		
11H45 - 12H30 S23 - MISCELLANEOUS			13H30 - 14H20 S28 - IMAGING			12H55 - 13H00 S34 - CONGRESS CLOSING		
12H30 - 14H00 LUNCH BREAK			14H20 - 15H20 S29A -SCIENCE AND RESEARCH PART 1					
BUSINESS MEETING (ISCFS MEMBERS ONLY)			15H20 - 15H50 COFFEE BREAK					
14H00 - 15H40 S24 - CRANIOFACIAL MICROSOMIA/ALLIED CONDITIONS			15H50 - 17H05 S29B - SCIENCE AND RESEARCH PART 2					
15H40 - 16H10 COFFEE BREAK								
16H10 - 17H40 S25 - MANDIBLE, HTO AND CF-CLEFTIN								
			19H30 - 21H00 CONGRESS RECEPTION AT NATURAL HISTORY MUSEUM					
20H00 - 22H30 CONGRESS DINNER AT CHIRST CHURCH COLLEGE								

SATURDAY 26th SEPTEMBER 2009

08H00 - 08H02 PLENARY ROOM

S01 INTRODUCTION

*S. Wall, Congress President
E. Arnaud, Distraction Symposium President
P. Diner, Distraction Symposium Co-President*

08H02 - 08H20 PLENARY ROOM

S02 INAUGURAL LECTURE

Chairperson: *S. Wall (U.K.)*

08H02 (18')

S02.1 **CRANIOFACIAL DISTRACTION: THE FIRST TWENTY YEARS**
J. McCarthy

08H20 - 08H50 PLENARY ROOM

S03 RESEARCH LECTURES

Chairpersons: *L. Cheung (China), P. Kessler (The Netherlands)*

08H21 (8')

S03.1 **TRANSPORT DISTRACTION OSTEOGENESIS FOR THE RECONSTRUCTION OF ANKYLOTIC TEMPOROMANDIBULAR JOINT**
L. Cheung, L. W. Zheng, X. J. Shi

08H30 (8')

S03.2 **PERIOSTEAL DYNAMIC DISTRACTION**
P. Kessler

08H39 (5')

S03.3 **ACCELERATION OF DISTRACTION OSTEOGENESIS WITH DRUG RELEASING DISTRACTORS**
E. Konas, E. M. Mavili, P. Korkusuz, D. Demir, F. Oner, I. H. Canter

08H44 (6') DISCUSSION

08H50 - 10H00 PLENARY ROOM

S04 SEGMENTAL - PALATAL SYMPHYSEAL. TMJ

Chairpersons: *J. Hidding (Germany), A. Triaca (Switzerland)*

08H51 (10')

S04.1 **ALVEOLAR DISTRACTION**
J. Hidding

09H02 (7')

S04.2 **TRANSMANDIBULAR DISTRACTION FOR WIDENING THE MANDIBLE: POSSIBLE COMPLICATIONS, PITFALLS AND TRICKS**
J. Abelos

09H10 (7')

S04.3 **THE USE OF BONE SCREWS AND ORTHODONTIC MECHANICS TO ASSIST CORRECTION OF SELECTED DENTOALVEOLAR CLEFT DEFORMITIES**
E. Liou

09H18 (7')

S04.4 **UNWANTED UNILATERAL EXPANSION WITH TPD**
N. Neyt

09H26 (10')

S04.5 **THE INDICATION FOR DISTRACTION OF THE FRONTAL SEGMENT**
A. Triaca

09H37 (3')

S04.6 **THE SANDWICH OSTEOTOMY: AN ALTERNATIVE METHOD TO DISTRACTION OSTEOGENESIS FOR IMPLANT REHABILITATION OF EDENTULOUS POSTERIOR ATROPHIC MANDIBLES**
J. López-Cedrún, J. Arenaz, R. Luaces, I. Vázquez Mahía, S. Sironvalle, J. Ferreras, E. Iglesias

09H41 (3')

S04.7 **GROWTH PATTERNS AND INTRAORAL DISTRACTION OSTEOGENESIS: HEMIFACIAL MICROSOMIA VERSUS TEMPOROMANDIBULAR JOINT ANKYLOSIS**
G. Iannetti, M. Pagnoni, M. Fadda, D. Bartoli, A. Anelli

09H45 (3')

S04.8 **TREATMENT OF THE TEMPOROMANDIBULAR JOINT ANKYLOSIS USING COSTO-CHONDRAL GRAFTS AFTER A DISTRACTION GAP ARTHROPLASTY**
G. Tunçbilek, A. Kayçolu, E. Mavili

09H48 (12') DISCUSSION

10H00 - 10H30

Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriol Room

10H30 - 11H40 PLENARY ROOM

S05 OSAS / DISTRACTION

Chairpersons: *P.A. Diner (France), F. Ortiz-Monasterio (Mexico)*

10H30 (6')

S05.1 **USE OF OSTEOGENIC MANDIBULAR DISTRACTION IN NEONATES WITH PIERRE ROBIN SEQUENCE - TEN YEARS EXPERIENCE**
B.P. Portinho, G. J. Faller, R. A. Pinto, M. V. M. Collares

10H36 (6')

S05.2 **MANDIBULAR GROWTH IN PIERRE ROBIN TREATED WITH EARLY DISTRACTION**
F. Ortiz-Monasterio

10H42 (3')

S05.3 **ECONOMIC ADVANTAGES TO NEONATAL DISTRACTION DECISION TREE MODEL**
J. P. Bradley, H. K. Kawamoto, C. Head, K. Dipple, S. Wald

10H46 (5')

S05.4 **PIERRE ROBIN SYNDROME: EVALUATION OF A LARGE SERIES OF PATIENTS TREATED IN TWO BRAZILIAN CENTERS**
R. da Silva Freitas, N. Alonso, I. Scomaço, L. Busato, L. W. Canan Junior, C. D. Pinheiro Neto

10H51 (5')

S05.5 **PIERRE ROBIN SYNDROME; IS IT MANDATORY TO DO TRACHEOSTOMY?**
H. A. El-Mekkawi, T. N. Taher, M. E. El-Salanty, O. A. Kassem, I. E. Zakhary, M. E. Hassan, S. A. Amer

10H56 (3')

S05.6 **LONG-TERM EFFECT OF MANDIBULAR DISTRACTION OSTEOGENESIS ON NIGHT TIME BREATHING IN SYNDROMIC CHILDREN**
K. Hurmerinta, M. Kleine-Hakala, J. Hukki, S. Gürsoy

11H00 (5')

S05.7 **AIRWAY ANALYSIS: WITH BILATERAL DISTRACTION OF THE INFANT MANDIBLE**
J. F. Looby, S. A. Schendel, H. P. Lorenz, E. M. Hopkins, D. Aizenbud

11H05 (3')

S05.8 **AFRICAN METHOD OF PAEDIATRIC DISTRACTION OF MIDFACE AND MANDIBLE IN COMPROMIZED AIRWAYS**
A. Madaree, E. E. Siolo

11H09 (5')

S05.9 **INFANT MANDIBULAR DISTRACTION FOR AIRWAY OBSTRUCTION SECONDARY TO MICROGNATHIA**
R. Y. Ha, A. Mitchell, G. D. Papanicolaou, C. Hobar



11H14 (3')
S05.10 **MANDIBULAR DISTRACTION IN THE INFANT WITH PIERRE ROBIN SEQUENCE: A PRELIMINARY ASSESSMENT OF VOLUMETRIC CHANGES IN THE OROPHARYNGEAL AIRWAY SPACE**
P. K. Patel, L. Zhao, L. D. Holinger

11H18 (3')
S05.11 **OSAS IN INFANTS AND NEWBORN: MANDIBULAR DISTRACTION OSTEOGENESIS TO PREVENT OR REMOVE TRACHEOSTOMY**
F. M. G. Riva, F. Mazzoleni, C. Meazzini, C. Bertoglio, A. Bozzetti

11H21 (5')
S05.12 **POLYSOMNOGRAPHIC DEMONSTRATION OF LONG-TERM RESOLUTION OF UPPER AIRWAY OBSTRUCTION BY MANDIBULAR DISTRACTION IN INFANTS WITH PIERRE ROBIN SEQUENCE**
A. Rozzelle, B. Shaqiri

11H26 (14') **DISCUSSION**

11H40 - 12H25 **PLENARY ROOM**

S06 **COMPLICATIONS - OCCLUSION PROBLEMS IN DISTRACTION**
Chairpersons: *C. Tomat (France), B. Grayson (USA)*

11H40 (6')
S06.1 **COMPLICATIONS OF MANDIBULAR DISTRACTION**
B. Hoffmeister

11H46 (6')
S06.2 **A TWENTY YEAR STUDY OF THE COMPLICATIONS OF CRANIOFACIAL DISTRACTION OSTEOGENESIS**
A. V. H. Greig, E. H. Davidson, P. R. Shetye, S. M. Warren, B. H. Grayson, J. G. McCarthy

11H52 (3')
S06.3 **AVOIDING OCCLUSAL DISASTERS: ORTHODONTIC PERSPECTIVES**
A. Figueroa

11H56 (3')
S06.4 **MANAGEMENT OF SKELETAL OPEN BITE DURING MANDIBULAR DISTRACTION**
B. Grayson

12H00 (3')
S06.5 **DECOMPENSATION IN CLASS III PTS WITH DO**
M.C. Meazzini

12H04 (3')
S06.6 **ARCH COORDINATION, REGENERATE MANIPULATION, AND OPEN BITE CORRECTION IN ORDER TO ACHIEVE OPTIMAL OCCLUSION IN MANDIBULAR DISTRACTION**
P. Santiago

12H08 (3')
S06.7 **MALOCCLUSION DUE TO D.O. . ARE IMMEDIATE ORTHODONTICS ALWAYS MANDATORY ?**
C. Tomat

12H11 (14') **DISCUSSION**

12H25 - 12H40 **PLENARY ROOM**

S07 **SPECIAL LECTURE**
Chairperson: *E. Arnaud (France)*

12H25 (15')
S07.1 **ABSOLUTE INDICATIONS FOR DISTRACTION IN MICROGNATHIA. A CLINICAL EXPERIENCE OF 17 YEARS**
F. Molina

12H40 - 14H15

Lunch break

14H15 - 16H15 **PLENARY ROOM**

S08-A **FREE PAPERS :DISTRACTION AND BONE TRANSPORT**
Chairpersons: *A. Picard (France), C. Guerrero (Venezuela)*

14H15 (5')
S08-A.1 **MANDIBULAR CONDYLAR RECONSTRUCTION BY TRANSPORT DISTRACTION OSTEOGENESIS IN ADULTS. THE EXPERIENCE OF THE BS.AS. CRANIOFACIAL CENTER**
E. Lagiglia Karam, J. Breuer, L. A. Margaride, J. M. Chavanne

14H20 (5')
S08-A.2 **DISTRACTION OSTEOGENESIS IN THE MAXILLOFACIAL SKELETON: THE OUTCOMES OF A VERSATILE RECONSTRUCTION METHOD**
G. Cho-Lee, R. González-García, M. Mancha de la Plata, P. Martos-Días, F. Rodríguez-Campo, M. Muñoz-Guerra, J. Sastre-Pérez, L. Naval-Gías

14H25 (5')
S08-A.3 **BILATERAL MAXILLARY TRANSPORT DISTRACTION OSTEOGENESIS IN THE SURGICAL MANAGEMENT OF THE COMPLEX CLEFT LIP AND PALATE PATIENT REFRACTORY TO CONVENTIONAL THERAPY**
J. Daskalogiannakis, C. Forrest, J. Phillips, I. A. Nish

14H30 (7') **DISCUSSION**

S08-B **FREE PAPERS: MANDIBULAR DISTRACTION**
Chairpersons: *A. Picard (France), C. Guerrero (Venezuela)*

14H37 (5')
S08-B.1 **VECTOR MANAGEMENT IN MANDIBULAR DISTRACTION USING UNIVECTOR SUBMERGED DEVICES**
S. M. Balaji

14H42 (5')
S08-B.2 **OPEN BITE PHENOMENON DURING MANDIBULAR DISTRACTION**
A. G. Becking

14H47 (5')
S08-B.3 **CURVILINEAR DISTRACTION OSTEOGENESIS FOR CORRECTION OF MANDIBULAR DEFORMITIES**
B. L. Padwa, L. B. Kaban, E. B. Seldin, P. Everett, R. Kikinis, K. Yeshwant, M. J. Troulis,

14H53 (5')
S08-B.5 **PATTERNS OF FACIAL GROWTH IN HEMIFACIAL MICROSOMIA**
N. Minugh-Purvis, R. Foo, J. Huynh, R. F. Mayro, L. A. Whitaker, S. P. Bartlett

14H58 (7') **DISCUSSION**

S08-C **FREE PAPERS: MAXILLARY DISTRACTION**
Chairpersons: *A. Picard (France), C. Guerrero (Venezuela)*

15H05 (5')
S08-C.1 **LONG TERM STABILITY OF THE MAXILLARY ADVANCEMENT IN CLEFT LIP AND PALATE USING RIGID EXTERNAL DISTRACTION**
G. Captier, C. Baumler, C. Lheritier, E. Canonge, M. Bigorre, P. Canal

15H10 (5')
S08-C.2 **MAXILLARY DISTRACTION OSTEOGENESIS IN PAEDIATRIC CLEFT PATIENTS**
M. Z. Kulewicz, Z. Dudkiewicz, D. Cudzilo, B. Obloj, F. Kulewicz, Z. Krol

15H15 (3')
S08-C.3 **DISTRACTION OSTEOGENESIS OF MAXILLA AND MIDFACE IN POSTRADIOTHERAPY PATIENTS**
J. W. Nolte, J. Jansma, A. G. Becking

15H19 (5')
S08-C.4 **EXTERNAL MAXILLARY DISTRACTION OSTEOGENESIS IN CLEFT LIP AND PALATE PATIENTS: RESULTS IN GROWING AND NON GROWING PATIENTS**
G. Rossetti, M. C. Meazzini, M. Ferrari, R. Brusati, A. Bozzetti

15H24 (3')
S08-C.5 **IS PREDICTABLE SELECTIVE TRANSVERSAL WIDENING OF THE MAXILLA BY MEANS OF A SARME PROCEDURE POSSIBLE?**
H. Breuning, S. Bergé, W. Borstlap, A. Kuijpers-Jagtman, T. Maal, F. Rangel, R. Nada

15H27 (8') DISCUSSION

S08-D FREE PAPERS: CRANIOFACIAL DISTRACTION
Chairpersons: *J. Bradley (USA), S. Wall (U.K.)*

15H35 (5')
S08-D.1 **THE ROLE OF DISTRACTION OSTEOGENESIS IN THE TREATMENT OF CRANIOSYNOSTOSIS**
Y. Komuro, T. Masuda, M. Miyajima, H. Arai

15H40 (5')
S08-D.2 **TREATMENT OF CORONAL SYNOSTOSIS-A 10 YEAR REVIEW**
M. Mckinnon, D. M. Frim, B. Yamini

15H45 (5')
S08-D.3 **LE FORT III MIDFACE ADVANCEMENT WITH EXTERNAL CRANIOFACIAL DISTRACTION: CRITICAL REVIEW AND OUR EXPERIENCE**
G. Iannetti, M. Fadda, M. Pagnoni, F. Filiaci

15H51 (5')
S08-D.4 **FURTHER EXPERIENCES IN MIDFACIAL ADVANCEMENT WITHOUT MAXILLARY OSTEOTOMY**
P. Pellerin, A. Wolber, E. Coeugniet, M. Vinchon, P. Dhellemmes

15H56 (5')
S08-D.5 **THE INTERNAL VERSUS HALOFRAME DEVICES IN MIDFACE AND MONOBLOC DISTRACTION OSTEOGENESIS IN PAEDIATRIC PATIENTS WITH SYNDROMAL CRANIOSYNOSTOSIS**
L. A. Satanin, A. L. Ivanov, V. V. Roginsky

16H02 (5')
S08-D.6 **IDEAL DISTRACTION OF THE MIDFACE IN ADULTS AND ADOLESCENCES: DUAL LE FORT III MINUS I AND LE FORT I DISTRACTION IN APPLICATION OF THE COMBINED INTERNAL AND EXTERNAL DEVICE IN CRANIOSYNOSTOSIS**
K. Satoh, N. Mitsukawa, K. Kadamatsu, Y. Kanazawa

16H07 (8') DISCUSSION

16H15 – 16H45
Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriol Room

Please note that S09C (Craniofacial) and C09-M1&2 (Maxillofacial) are CONCURRENT SESSIONS

16H45 - 18H35 **PLENARY ROOM**

S09-C INTERACTIVE SESSION - CRANIOFACIAL
Chairpersons: *J. Mccarthy (USA), K. Salyer (USA), E. Arnaud (France)*

16H45 (3'+6')
S09-C.1 **BIFOCAL DISTRACTION OSTEOGENESIS FOR RECONSTRUCTION OF ADULT CALVARIAL DEFECTS: A NEW SURGICAL TECHNIQUE. CASE REPORT**
G. Cho-Lee, L. Naval-Gías, S. Rosón-Gómez, C. Sánchez-Acedo, J. Fernández-díaz, M. Muñoz-Guerra, J. Sastre-Pérez, F. Rodríguez-Campo

16H55 (3'+6')
S09-C.2 **MULTIPLE SUTURE CRANIOSYNOSTOSIS TREATED WITH SPRING ASSISTED SURGERY**
C. Sanger, F. Giordano, L. Genitori, M. Scagnet, D. Couture, L. R. David

17H05 (3'+6')
S09-C.3 **MID- FACE DISTRACTION WITHOUT OSTEOTOMIES FOR AIRWAY OBSTRUCTION IN A FIVE WEEK OLD WITH SYNDROMAL CRANIOSYNOSTOSIS**
K. E. Salyer

17H15 (3'+6')
S09-C.4 **TREATMENT OF ASYMMETRIC MAXILLO-ZYGOMATIC RETRUSION USING INTERNAL LEFORT III DISTRACTION IN A CHILD**
A. Wilk, J. Lutz, S. Zink, J. Nussbaumer, P. Barrière

17H25 (3'+6')
S09-C.5 **EARLY RELAPSE AFTER MONOBLOC IN A 4 MONTHS CROUZON**
E. Arnaud

17H35 (3'+6')
S09-C.6 **DEVELOPMENT OF A NEW DISTRACTION DEVICE - CONTROLLING POSITION AND PATH OF THE MIDFACE SEGMENT ON A RIGID PLATFORM**
J. G. McCarthy, P. R. Shetye, E. Giannoutsos, R. L. Flores, A. V. H. Greig, B. H. Grayson

17H45 (3'+6')
S09-C.7 **WAITING FOR TITLE**
J. McCarthy

17H55 (3'+6')
S09-C.8 **DISTRACTION OSTEOGENESIS AFTER LE FORT III OSTEOTOMY, A SALVAGE PROCEDURE IN SEVERE SLEEPING APNEA- IMPROVING OF THE SKELETAL ANCHORAGE USING SELF-CUTTING SCREWS**
C. Roldán, A. Moralis, T. Kühnel, T. Vollkommer, C. Reicheneder, P. Proff, I. Oberbacher-Velten, A. von Knoop, M. Gosau, M. Friedrich, T. E. Reichert

18H05 (3'+6')
S09-C.9 **EARLY LENGTHENING OF THE MAXILLA BY DISTRACTION OSTEOGENESIS IN CRANIOFACIAL DISORDERS AND GROWTH IMPACT**
M. Galiè, R. Tieghi, L. Clauser

18H15 (3'+6')
S09-C.10 **MULTI-STAGE BONE-CHARGED DISTRACTION OSTEOGENESIS FOR RECONSTRUCTION OF AN EXTENSIVE BONY DEFICIENCY WITH SEVERE SCAR CONTRACTURE OF THE ORAL MUCOSA IN THE MANDIBLE**
Y. Watanabe, T. Akizuki, R. Sasaki, K. Yoshimura, K. Agawa, T. Ota,

18H25 (3'+6')
S09-C.11 **MAJOR BONE LOSS DUE TO INFECTION AFTER DISTRACTION**
S. Wall

16H45 - 18H25 **CHERWELL SUITE**

S09-M1 INTERACTIVE SESSION - MAXILLOFACIAL 1
Chairpersons: *L. Cheung (China), P. Diner (France)*

16H45 (3'+6')
S09-M1.1 **RECURRENT INSUFFICIENT DISTRACTION OSTEOGENESIS IN A SEVERE CASE OF HYPOMANDIBULAR FACIO-CRANIAL DYSOSTOSIS**
H. Jacobsen, T. M. Trenkle, S. G. Hakim, P. Sieg



16H55 (3'+6')
 S09-M1.2 **SEGMENTAL DISTRACTION OF THE PYRIFORM RIM/VOMER TO RECONSTRUCT NARROW VERTICAL DEFECTS OF THE PREMAXILLA**
M. Keenan

17H05 (3'+6')
 S09-M1.3 **MIDFACE DISTRACTION USING EXTERNAL DEVICE AND TRANS-NASAL PYRIFORM APERTURE WIRES IN 28 CLEFT LIP AND PALATE PATIENTS - THREE YEAR FOLLOW-UP**
J. Murthy, A. Hussain

17H25 (3'+6')
 S09-M1.5 **WAITING FOR TITLE**
P. Diner

17H35 (3'+6')
 S09-M1.6 **MICROGNATHIA WITH CONGENITAL BILATERAL ANKYLOSIS: HOW CAN WE DO BETTER?**
L. Cheung

17H45 (3'+6')
 S09-M1.7 **VERTICAL DISTRACTION OSTEOGENESIS OF A FREE VASCULARIZED FIBULAR FLAP IN A RECONSTRUCTED HEMIMANDIBLE FOR IMPLANTOLOGICAL AND PROSTHETIC REHABILITATION**
G. Cho-Lee, L. Naval-Gías, S. Rosón-Gómez, C. Sánchez-Acedo, J. Fernández-díaz, M. Muñoz-Guerra, J. Sastre-Pérez, F. Rodríguez-Campo

17H55 (3'+6')
 S09-M1.8 **MANDIBULAR BONE DISTRACTION IN A PATIENT WITH PYCNODYSSTOSIS**
M. V. M. Collares, C. Portinho, G. J. Faller, P. S. M. Sarmiento, D. S. Sobral, E. I. Gus, V. S. S. Oliveira, S. C. Orige, R. D. A. Pinto

18H05 (3'+6')
 S09-M1.9 **THE COMBINED ORTHODONTIC AND SURGICAL MANAGEMENTOR FOR THE MAXILLARY ALVEOLAR RIDGE AUGMENTATION USING DISTRACTION OSTEOGENESIS IN A TRAUMA CASE**
D. Aizenbud, H. Hazan-Molina, A. Rachmiel

18H15 (3'+6')
 S09-M1.10 **INTERNAL TRANSPORT DISTRACTION FOR MANDIBULAR RECONSTRUCTION**
H. Hibi, K. Kinoshita, D. Mizuno, T. Oda, H. Hattori, M. Ueda

16H45 - 18H25 **BLenheim SUITE**

S09-M2 **INTERACTIVE SESSION - MAXILLOFACIAL 2**
 Chairpersons: *F. Molina (Mexico), C. Guerrero (Venezuela)*

16H45 (3'+6')
 S09-M2.1 **INTERNAL TRANSPORT DISTRACTION FOR MANDIBULAR RECONSTRUCTION**
H. Hibi, K. Kinoshita, D. Mizuno, T. Oda, H. Hattori, M. Ueda

17H05 (3'+6')
 S09-M2.3 **MANDIBULAR BONE DISTRACTION IN A PATIENT WITH PYCNODYSSTOSIS**
M. V. M. Collares, C. Portinho, G. J. Faller, P. S. M. Sarmiento, D. S. Sobral, E. I. Gus, V. S. S. Oliveira, S. C. Orige, R. D. A. Pinto

17H15 (3'+6')
 S09-M2.4 **THE COMBINED ORTHODONTIC AND SURGICAL MANAGEMENTOR FOR THE MAXILLARY ALVEOLAR RIDGE AUGMENTATION USING DISTRACTION OSTEOGENESIS IN A TRAUMA CASE**
D. Aizenbud, H. Hazan-Molina, A. Rachmiel

17H25 (3'+6')
 S09-M2.5 **DISTRACTION OSTEOGENESIS FOR PRIMARY RECONSTRUCTIVE TREATMENT OF AN AVULSIVE GUN SHOT WOUND TO THE MANDIBLE**
M. González, C. A. Guerrero, M. J. Ellis, T. K. W. Draper

17H35 (3'+6')
 S09-M2.6 **MELVICK NEEDLE**
F. Molina

17H45 (3'+6')
 S09-M2.7 **RECURRENT INSUFFICIENT DISTRACTION OSTEOGENESIS IN A SEVERE CASE OF HYPOMANDIBULAR FACIO-CRANIAL DYSSTOSIS**
H. Jacobsen, T. M. Trenkle, S. G. Hakim, P. Sieg

17H55 (3'+6')
 S09-M2.8 **SEGMENTAL DISTRACTION OF THE PYRIFORM RIM/VOMER TO RECONSTRUCT NARROW VERTICAL DEFECTS OF THE PREMAXILLA**
M. Keenan

18H05 (3'+6')
 S09-M2.9 **MIDFACE DISTRACTION USING EXTERNAL DEVICE AND TRANS-NASAL PYRIFORM APERTURE WIRES IN 28 CLEFT LIP AND PALATE PATIENTS - THREE YEAR FOLLOW-UP**
J. Murthy, A. Hussain

19H00 – 20H30 Exhibition Hall (University Suite)
OFFICIAL EXHIBITION OPENING & WELCOME DRINK

SUNDAY 27th SEPTEMBER 2009

08H00 - 08H05 PLENARY ROOM

S10 OPENING PRE SYMPOSIUM
S. Wall, Congress President
E. Arnaud, Distraction Symposium President
P. Diner, Distraction Symposium Co-President

CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL DISTRACTION - Part 1

08H05 - 08H55 PLENARY ROOM

S11 LEFORT 1
Chairpersons: *J. McCarthy (USA), B. Hoffmeister (Germany)*

08H05 (8')
S11.1 DISTRACTION VERSUS ORTHOGNATHIC SURGERY FOR CLEFT LIP AND PALATE: WHICH IS BETTER?
H. P. Chua, M. Bendeus-Hagg, L. K. Cheung

08H14 (8')
S11.2 USE OF A REMOVABLE ADJUSTABLE-INTRAORAL-MAXILLARY (AIM) DISTRACTION DEVICE: TECHNIQUE AND RESULTS
A. A. Figueroa, J. W. Polley

08H23 (4')
S11.3 RIGID INTERNAL DEVICE (RID) INDICATIONS AND OUTCOMES
A. Picard

08H28 (4')
S11.4 STABILITY OF THE RESULTS RID VERSUS RED
C. Tomat

08H33 (8')
S11.5 DISTRACTION OF SEGMENTS IN THE MAXILLA
A. Triaca

08H42 (13') DISCUSSION

08H55 - 10H00 PLENARY ROOM

S12 MANDIBLE AND TMJ
Chairpersons: *F. Molina (Mexico), K. Wangerin (Germany)*

08H55 (8')
S12.1 THE GOOD DEVICE AT THE RIGHT PLACE IN MANDIBULAR DISTRACTION
P. Diner

09H04 (8')
S12.2 STABILITY OF MANDIBULAR DISTRACTION IN HFM
B. Grayson

09H13 (6')
S12.3 DISTRACTION VERSUS SAGITTAL SPLIT OSTEOTOMY FOR MANDIBULAR ADVANCEMENT: WHICH IS BETTER
H. Chua, L. Cheung

09H20 (8')
S12.4 THE CRITICAL ROLE OF VECTOR PLANNING IN CRANIOFACIAL DISTRACTION
J. G. McCarthy, B. H. Grayson, W. Dec, A. V. H. Greig, P. R. Shetye, S. M. Warren

09H29 (8')
S12.5 LONG TERM FOLLOW-UP OF MANDIBULAR DISTRACTION OSTEOGENESIS IN HEMIFACIAL MICROSNOMIA WITH AND WITHOUT THE ASSOCIATION OF FUNCTIONAL APPLIANCES
M. Meazzini, F. Mazzoleni, A. Bozzetti, R. Brusati, E. Sesenna

09H38 (8')
S12.6 LONG TERM RESULTS OF RAMUS ELONGATION
K. Wangerin

09H47 (13') DISCUSSION

10H00 - 10H30

Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriel Room

CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL DISTRACTION - Part 2

10H30 - 11H30 PLENARY ROOM

S13 LEFORT 3
Chairpersons: *S. Dover (U.K.), J. Fearon (USA)*

10H30 (8')
S13.2 LEFORT 3 WITHOUT DISTRACTION
D. David

10H39 (8')
S13.3 LEFORT 3 WITH RED DEVICE
J. Fearon

10H48 (8')
S13.4 EXPERIENCE ON MIDFACE DISTRACTION; COMPARISON OF TWO METHODES (INTERNAL VERSUS EXTERNAL)
C. Morales, F. O. Monasterio, F. Molina

10H57 (8')
S13.5 LEFORT 3 WITH RED AND INTERNAL
S. Wall

11H06 (6')
S13.6 SUB-CRANIAL LE FORT III MAXILLARY ADVANCEMENT WITH INTRAORAL DEVICES
C. A. Guerrero, M. Gonzalez

11H13 (5')
S13.7 MIDFACE DISTRACTION WITH TRANSFACIAL PIN AND EXTERNAL DEVICES
P. Pellerin

11H18 (12') DISCUSSION

11H30 - 12H30 PLENARY ROOM

S14 MONOBLOC
Chairpersons: *E. Arnaud (France), J. Polley (USA)*

11H30 (7')
S14.1 MONOBLOC MIDFACE ADVANCEMENT WITH RIGID EXTERNAL DISTRACTION (R.E.D.)
J. W. Polley, S. Maurice, J. Freedman, A. Figueroa

11H38 (7')
S14.2 TWO QUESTIONS ABOUT THE MONOBLOC FRONTAL FACIAL ADVANCEMENT
S. A. Wolfe

11H46 (7')
S14.3 MONOBLOC WITH QUADRUPLE INTERNAL DISTRACTION
E. Arnaud

11H54 (7')
S14.4 BIPARTITION MONOBLOC WITH RED
D. Dunaway

12H02 (7')
S14.5 TRUE MONOBLOC WITH INTERNAL DEVICE
F. Molina

12H10 (4')
S14.6 AIR IN THE HEAD: PERSISTENCE OF FRONTAL DEAD SPACE FOLLOWING FRONTO-FACIAL DISTRACTION
M. J. Koudstaal, M. A. Khan, D. J. Dunaway, R. D. Hayward

12H14 (16') DISCUSSION

12H30 - 14H00

Lunch break in Exhibition Hall (University Suite)
Posters viewing (Oriel Room)



CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL DISTRACTION - Part 3
14H00 - 14H45 **PLENARY ROOM**

- S15** POSTERIOR EXPANSION
 Chairpersons: *S. Wall (U.K.), S. Bartlett (USA)*
- 14H00 (5')**
 S15.1 SHUNT ASSISTED POSTERIOR EXPANSION WITHOUT DISTRACTOR
F. Di Rocco
- 14H06 (5')**
 S15.2 POSTERIOR EXPANSION - NON DISTRACTION TECHNIQUES
G. Solanki
- 14H12 (5')**
 S15.3 POSTERIOR EXPANSION WITH GRADED SPRINGS
R. Hayward
- 14H18 (5')**
 S15.4 POSTERIOR EXPANSION WITH SPRINGS
E. Arnaud
- 14H24 (5')**
 S15.5 POSTERIOR DISTRACTION WITH AN UNILATERAL DISTRACTOR
S. Wall
- 14H30 (5')**
 S15.6 POSTERIOR EXPANSION WITH BILATERAL DISTRACTORS
H. Nishikawa
- 14H35 (10') DISCUSSION**

14H45 - 15H50 **PLENARY ROOM**

- S16** CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL SURGERY PART 1
 Neuro Surgery and Intracranial Problems
 Chairpersons: *J. Goodrich (USA), J. Jayamohan (U.K.), D. Renier (France)*
- 14H45 (8')**
 S16.1 TREATMENT OF HYDROCEPHALUS IN CRANIOSYNOSTOSIS TECHNIQUES AND TIMING
J. Goodrich
- 14H53 (8')**
 S16.2 CHIARI MALFORMATION – RADIOLOGICAL AND CLINICAL CHANGES WITH POSTERIOR DISTRACTION
G. Solanki
- 15H01 (8')**
 S16.3 FORAMEN MAGNUM DESCOMPRESSION IN SYNDROMIC CRANIOFACIAL DYSOSTOSES
J. Jayamohan
- 15H09 (8')**
 S16.4 EXPANDING SKULL VERSUS SHUNTING
F. Di Rocco
- 15H18 (10') DISCUSSION**
- 15H28 (7')**
 S16.5 PRIMARY AND SECONDARY RAISED ICP IN SYNOSTOSIS
S. Wall
- 15H35 (7')**
 S16.6 MENTAL OUTCOME OF CRANIOSYNOSTOSIS
E. Arnaud
- 15H42 (8') DISCUSSION**

15H50 - 16H20
 Coffee break in Exhibition Hall (University Suite)
 Posters viewing in Oriel Room

16H20 - 17H05 **PLENARY ROOM**

- S17** CONTROVERSIES AND CONSENSUS IN CRANIOFACIAL SURGERY PART 2 SYNOSTOSIS SURGERY HYPERTELORISM
 Chairpersons: *D. Renier (France), S. Dover (U.K.), H. Nishikawa (U.K.)*
- 16H20 (8')**
 S17.1 SAGITTAL SYNOSTOSIS SURGICAL TREATMENT AND TIMING
J. Persing
- 16H28 (5')**
 S17.2 RESORBABLE FIXATION TECHNIQUES
S. Bartlett
- 16H33 (5')**
 S17.3 FIXATION IN SYNOSTOSIS SURGERY – HOW MUCH IS NEEDED ?
S. Wall
- 16H38 (4') DISCUSSION**
- 16H42 (8')**
 S17.4 BOX OSTEOTOMIES VS FACIAL BIPARTITION IN HYPERTELORISM
F. Ortiz-Monasterio
- 16H50 (5') DISCUSSION**
- 16H55 (4')**
 S17.5 THE K STITCH IN HYPERTELORISM CORRECTION
J. Bradley
- 16H59 (4')**
 S17.6 LINEAR SOFT TISSUE EXCISION IN HYPERTELORISM CORRECTION
D. Marchac
- 17H03 (4')**
 S17.7 V-Y ADVANCEMENT IN HYPERTELORISM CORRECTION
S. Wall
- 17H07 (3') DISCUSSION**

17H10 - 17H40 **PLENARY ROOM**

- S18** IRRADIATION CONTROVERSIES IN IMAGING
 Chairpersons: *A. Stratoudakis (Greece), J. Fearon (USA)*
- 17H10 (7')**
 S18.1 PAEDIATRIC CT SCANNING; RADIATION HAZARDS AND SUGGESTIONS
A. Stratoudakis
- 17H17 (7')**
 S18.2 IS ROUTINE CT SCANNING SAFE
A. Denny
- 17H14 (7')**
 S18.3 THE ROLE OF CT SCANNING IN SYNOSTOSIS
J. Fearon
- 17H21 (7') DISCUSSION**
- 17H28 (12')**
 S18.4 ADVANCES IN CRANIOFACIAL SURGERY: A PERSONAL PERSPECTIVE OF 40 YEARS
K. E. Salyer

17H40 - 17H50 **PLENARY ROOM**

- S18B** CLOSING REMARKS
S. Wall, Congress President
E. Arnaud, Distraction Symposium President
P. Diner, Distraction Symposium Co-President

18H00 - 19H30 PLENARY ROOM

SAT01 S.O.R.G SATELLITE SYMPOSIUM SPONSORED
by KLS MARTIN
DISTRACTION OSTEOGENESIS – FROM FIRST IDEAS TO
ROUTINE CLINICAL APPLICATIONS

18H00 (10')
SAT01.1 CURRENT TREATMENT CONCEPTS INVOLVING DOG
P. Kessler

18H10 (10')
SAT01.2 FACIOCRANIOSYNOSTOSIS TREATMENT STRATEGY INVOLVING
DISTRACTION
E. Arnaud

18H20 (10')
SAT01.3 WHEN DO WE CONTINUE TO CHOOSE DOG IN PAEDIATRIC
MAXILLOFACIAL CASES ?
P. Diner

18H30 (10')
SAT01.4 LONG-TERM RESULTS IN MANDIBULAR DOG
B. Hoffmeister

18H40 (10')
SAT01.5 SYMPHYSEAL DISTRACTION IN SYNDROMATIC AND NON-
SYNDROMATIC PATIENTS
A. Bianchi

18H50 (10')
SAT01.6 CHALLENGES IN ALVEOLAR DOG
J. Hidding

19H00 (30') **DISCUSSION**

MONDAY 28th SEPTEMBER 2009

08H00 - 08H12 PLENARY ROOM

S19 XIII ISCFS CONGRESS: CONGRESS OPENING

08H00 (12')
S19.1 PRESIDENTIAL ADDRESS
S. Wall, Congress President

08H12 - 08H45 PLENARY ROOM

S20 PAUL TESSIER VALEDICTORY
Chairperson: *S. Wall (U.K.)*

INTRODUCTION :

08H12 (10')
S20.1 *F. Ortiz-Monasterio*

08H22 (10')
S20.2 *S. Wolfe*

08H32 (10')
S20.3 *D. Marchac*

08H42 (3')
S20.4 EULOGY FOR TONY HOCKLEY
H. Nishikawa

08H45 - 09H15 PLENARY ROOM

S21 TESSIER LECTURE
Chairperson: *S. Wall (U.K.)*

08H45 (30')
S21.1 GENES IN THE CRANIOFACIAL CLINIC: FROM SYNDROME
DESCRIPTION TO CLINICAL PRACTICE
A. Wilkie

09H15 - 10H30 PLENARY ROOM

S22-A CRANIOFACIAL ORTHODONTICS PART 1
Chairpersons: *B. Grayson (USA), R. Evans (U.K.),
P. Santiago (USA)*

09H15 (6')
S22.A.1 INTRAORAL SPLINT DESIGN TO BE USED AT VARIOUS AGES
WITH THE RIGID EXTERNAL DISTRACTION (RED) SYSTEM FOR
MAXILLARY AND MIDFACE ADVANCEMENT
A. A. Figueroa, J. W. Polley

09H22 (6')
S22.A.2 EARLY SECONDARY GINGIVO-ALVEOLO-PLASTY IN THE
TREATMENT OF UNILATERAL CLEFT LIP AND PALATE PATIENTS:
20 YEARS EXPERIENCE
M. Meazzini, R. Brusati

09H29 (6')
S22.A.3 TREATMENT OUTCOMES IN PATIENTS WITH UNILATERAL CLEFT
LIP AND PALATE: THE AMERICLEFT PROJECT
*R. R. Hathaway, M. Cohen, J. Daskalogiannakis, R. E. Long,
Jr., A. Mercado, K. Russell, G. Semb, W. Shaw*

09H36 (6')
S22.A.4 LONG-TERM EFFECTS ON MIDFACE GROWTH OF
GINGIVOPERIOSTEOPLASTY WITH PRESURGICAL INFANT
ORTHOPEDICS IN UNILATERAL CLEFT LIP AND PALATE
*B. H. Grayson, J. S. Garfinkle, E. Giannoutsos, L. E. Brecht,
C. B. Cutting*

09H43 (5') **DISCUSSION**

09H49 (6')
S22.A.5 THREE- DIMENSIONAL NASAL CHANGES IN PATIENTS BORN
WITH UNILATERAL CLEFT LIP AND PALATE FOLLOWING
NASOALVEOLAR MOLDING AND PRIMARY LIP SURGERY
P. Santiago, G. D. Singh, M.A. Yanez, D. Levy



- 09H56 (6')**
S22.A.6 **MANAGEMENT OF THE GRAY ZONE – CORRECTION OF THE MIDFACE DEFICIENCY BY A NOVEL ORTHOPEDIC PROTRACTION OF MAXILLA**
E. Liou
- 10H03 (6')**
S22.A.7 **NEW CHART OF THE CRANIUM TO ASSESS LONG TERM GROWTH AND SHAPE IN CRANIOFACIAL SURGERY**
E. A. Christofides, M. M. E. Steinmann
- 10H10 (6')**
S22.A.8 **TEN YEAR FOLLOW UP OF SKELETAL STABILITY AND GROWTH FOLLOWING LE FORT III MIDFACE ADVANCEMENT IN SYNDROMIC CRANIOSYNOSTOSIS**
A. V. H. Greig, P. R. Shetye, H. Kapadia, S. M. Warren, B. H. Grayson, J. G. McCarthy
- 10H17 (3')**
S22.A.9 **ORTHODONTIC AND DENTAL CONSIDERATIONS IN FRONTOFACIAL ADVANCEMENT BY DISTRACTION**
R. D. Evans, T. Lloyd, A. Cobb, D. Gill, D. J. Dunaway
- 10H21 (3')**
S22.A.10 **CRANIOFACIAL CEPHALOMETRIC MORPHOLOGY IN 6-YEAR-OLD CHILDREN WITH UNILATERAL CLEFT LIP AND PALATE WHO LATER REQUIRED ORTHOGNATHIC SURGERY**
A. Heliövaara, J. Hukki
- 10H25 (5') DISCUSSION**
- 10H30 - 11H00**
Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriel Room
- 11H00 - 11H45** **PLENARY ROOM**
S22-B CRANIOFACIAL ORTHODONTICS PART 2
Chairpersons: *B. Grayson (USA), R. Evans (U.K.), P. Santiago (USA)*
- 11H00 (3')**
S22.B.2 **ALTERNATE RAPID PALATAL MAXILLARY EXPANSION FOR UNILATERAL CLEFT LIP AND PALATE PATIENTS IN THEIR TEENS**
Y. Sato, Y. Asama, E. J. W. Liou, R. Chowthury, K. Maki
- 11H04 (3')**
S22.B.3 **MAXILLARY DISTRACTION OSTEOGENESIS: GROWTH, STABILITY AND RELAPSE IN THE ADOLESCENT CLEFT PATIENT. A 3-DIMENSIONAL COMPUTED TOMOGRAPHY ANALYSIS**
Y. Por, P. Chen
- 11H08 (3')**
S22.B.4 **NASOLABIAL SOFT TISSUE CHANGES ASSOCIATED WITH LE FORT I OSTEOTOMY**
S. Vasudavan, V. Allareddy, S. R. Sullivan, B. L. Padwa
- 11H12 (6') DISCUSSION**
- 11H18 (6')**
S22.B.5 **MANDIBULAR RECONSTRUCTION BY BONE TRANSPORT AND ZYGOMATIC IMPLANTS**
M. González, C. A. Guerrero
- 11H25 (6')**
S22.B.6 **CAN DISTRACTION REPLACE ORTHOGNATHIC SURGERY FOR CORRECTION OF CF DEFORMITIES**
L. Cheung
- 11H32 (3')**
S22.B.7 **FUNCTIONAL RESCUE OF NASAL BREATHING**
V. L. N. Cardim, A. L. Silva, A. S. Silva, R. F. V. Dornelles, R. L. Salomons
- 11H35 (10') DISCUSSION**

- 11H45 - 12H30** **PLENARY ROOM**
S23 MISCELLANEOUS
Chairpersons: *R. Havlik (USA), S. Beals (USA)*
- 11H46 (6')**
S23.1 **CREATING AN ACADEMIC QUALIFICATION IN CRANIOFACIAL SURGERY**
D. J. David
- 11H53 (6')**
S23.2 **A MULTICENTER CRANIOFACIAL QUALITY REGISTRY**
D. Nowinsk, J. Leikola, A. Hedlund, J. Hukki, E. Arnaud
- 12H00 (3')**
S23.3 **THE USE OF TECHNOLOGY TO ENABLE AND EXTEND THE CRANIOFACIAL TEAM: A 35 YEAR EXPERIENCE**
L. P. Kerr, C. B. Kerr
- 12H04 (5') DISCUSSION**
- 12H09 (6')**
S23.4 **A METHOD OF PROVIDING CARE TO CHILDREN WITH COMPLEX CRANIOFACIAL PROBLEMS FROM UNDERSERVED COUNTRIES**
J. C. Chen, N. Clarke, M. M. Urata
- 12H16 (6')**
S23.5 **LONG-TERM SOLUTIONS FOR THE DELIVERY OF CRANIOFACIAL CARE IN INDIA AND THE DEVELOPING WORLD**
K. E. Salyer, A. K. Gosain, E. Arnaud
- 12H23 (3')**
S23.6 **WHEN ANY SURGERY IS TOO MUCH**
D. J. David
- 12H26 (4') DISCUSSION**
- 12H30 - 14H00**
Lunch break in Exhibition Hall (University Suite)
Posters viewing (Oriel Room)
- 12H30 - 14H00** **PLENARY ROOM**
BUSINESS MEETING – ISCFs Members only
- 14H00 - 15H40** **PLENARY ROOM**
S24 CRANIOFACIAL MICROSOMIA/ALLIED CONDITIONS
Chairpersons: *J. Rodriguez (Argentina), F. Molina (Mexico), N. Alonso (Brazil)*
- 14H01 (6')**
S24.1 **SURGICAL ALTERNATIVES FOR MANDIBULAR LENGTHENING**
C. A. Guerrero
- 14H08 (3')**
S24.2 **EVOLUTION OF SEMIBURIED MANDIBULAR DISTRACTION OSTEOGENESIS TECHNIQUE**
E. H. Davidson, D. J. Brown, P. R. Shetye, A. V. H. Greig, B. H. Grayson, S. M. Warren, J. G. McCarthy
- 14H12 (3')**
S24.3 **NO DISSECTION MANDIBULAR DISTRACTION**
C. B. Gordon, P. Reyna-Rodriguez, J. A. Taylor, L. Landa
- 14H16 (3')**
S24.4 **QUANTIFICATION APPRAISAL OF MANDIBULAR INTERNAL CURVILINEAR DISTRACTION**
D. Aizenbud, H. Hazan-Molina, B. Thimmappa, A. A. Schendel
- 14H20 (5') DISCUSSION**
- 14H25 (6')**
S24.5 **PREDICTING OUTCOME OF TONGUE-LIP ADHESION USING THE GILLS SCORING SYSTEM**
S. Abramowicz, G. F. Rogers, J. B. Mulliken
- 14H32 (3')**
S24.6 **POLYSOMNOGRAPHIC DEMONSTRATION OF THE NATURAL COURSE OF APNEA IN INFANTS WITH PIERRE ROBIN SEQUENCE**
A. A. Rozzelle, B. Shaqiri

14H36 (3')
S24.7 **MANDIBULAR LENGTHENING IN UNILATERAL TMJ ANKYLOSIS DURING GROWTH**
J. Linares, C. Guerrero, M. Gonzalez, M. Henriquez

14H40 (3')
S24.8 **FINAL RESULTS IN THE TREACHER COLLINS' MANDIBLE AFTER DISTRACTION OSTEOGENESIS**
F. Molina

14H43 (5') DISCUSSION

14H48 (6')
S24.9 **OPTIMIZING CRANIOFACIAL MICROSOMIA AND ROMBERG SOFT TISSUE RECONSTRUCTION WITH FAT GRAFTING**
J. P. Bradley, A. Lim, H. K. Kawamoto, H. Katchikian, R. Jarrahy

14H55 (3')
S24.10 **FAT TRANSFER IN HEMIFACIAL MICROSOMIA AND TREACHER COLLINS**
P. A. Diner, G. Franchi, S. Roman, C. Tomat, A. Picard

14H59 (3')
S24.11 **SURGERY OUTCOME IN PATIENTS WITH WAARDENBURG SYNDROME FACIAL FEATURES**
J. M. Chavanne, D. M. Steinberg, D. A. Lovera, A. Houssay

15H03 (3')
S24.12 **FACIAL ANIMATION IN MÖBIUS SYNDROME**
J. C. Rodriguez

15H06 (5') DISCUSSION

15H11 (6')
S24.13 **MICROTIA REPAIR WITH CULTURED AUTOLOGOUS HUMAN AURICULAR CHONDROCYTES: MIDDLE-TERM OUTCOME**
K. Imai, H. Yanaga, T. Fujimoto, M. Takahashi, M. Tamai, T. Hatano, A. Furukawa

15H18 (3')
S24.14 **THE PUBIC BONE GRAFT: THE FIRST CLINICAL SERIES**
J. W. Polley, N. Christopoulos, S. Maurice, G. Derman, A. Figueroa

15H22 (3')
S24.15 **ADVANCES IN 3D MODELING TECHNIQUES FOR PLANNING OF COMPLEX CRANIOFACIAL SURGERY**
A. L. Ivanov, L. A. Satanin, P. I. Agapov, V. V. Roginsky

15H26 (3')
S24.16 **SOCIAL AND RELATIONAL FUNCTIONING OF ADULTS WITH CONGENITAL AND ACQUIRED FACIAL DISFIGUREMENT; A CLINICAL-EMPIRICAL STUDY**
S. L. Versnel, M. E. P. van den Elzen, H. J. Duivenvoorden, I. M. J. Mathijssen

15H29 (11') DISCUSSION

15H40 - 16H10
Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriel Room

16H10 - 17H40 **PLENARY ROOM**

S25 **MANDIBLE, HTO AND CF-CLEFTIN**
Chairpersons: *F. Ortiz-Monasterio (Mexico), Y. Chen (Taiwan), A. Madaree (South Africa)*

16H10 (6')
S25.1 **NEUROSENSORY DYSFUNCTION OF THE INFERIOR ALVEOLAR NERVE AFTER LENGTHENING OF THE MANDIBLE: DISTRACTION OSTEOGENESIS VERSUS BILATERAL SAGITTAL SPLIT OSTEOTOMY**
J. Jansma, J. J. G. Wijbenga, C. R. A. Verlinden, A. G. Becking, B. Stegenga

16H17 (3')
S25.2 **STABILITY OF MANDIBULAR SYMPHYSEAL DISTRACTION (MSD) AND SURGICAL ASSISTED RAPID MAXILLARY EXPANSION (SARME)**
A. Bianchi, S. Amadori, S. Mazzoni, M. Pironi, C. Marchetti

16H21 (9') DISCUSSION

16H30 (6')
S25.4 **OUTCOME ANALYSIS OF TEMPOROMANDIBULAR JOINT ANKYLOSIS TREATMENT WITH AND WITHOUT MANDIBULAR DISTRACTION**
D. C. Goldenberg, N. Alonso, E. O. Bastos, M. C. Ferreira

16H37 (3')
S25.5 **QUANTITATIVE RESULTS OF MANDIBULAR DISTRACTION OSTEOGENESIS IN PIERRE ROBIN INFANTS USING A VERTICAL RAMUS OSTEOTOMY AND INTERNAL DISTRACTION DEVICE**
G. A. Fairbanks, G. M. Varkarakis, A. G. Scherer, R. J. Havlik

16H41 (3')
S25.6 **ANGIOGENESIS AND OSTEOGENESIS ARE ENHANCED BY CONTINUOUS TRACTION IN RABBIT MANDIBULAR LENGTHENING**
L. W. Zheng, L. Ma, L. K. Cheung

16H45 (3')
S25.7 **MICROSCOPIC RELATIONSHIP OF PALATOPHARYNGEUS WITH LEVATOR VELI PALATINI AND SUPERIOR CONSTRICTOR**
S. Hwang, K. Hwang

16H48 (5') DISCUSSION

16H53 (3')
S25.8 **WHAT IS A TESSIER 0-14 CLEFT?**
A. Fattah, J. A. Britto

16H57 (3')
S25.9 **THE TRIFLAGELLATE CLEFT PALATE**
E. Siolo, A. Madaree

17H01 (3')
S25.11 **THE PARENT LIAISON: A VITAL COMPONENT TO EFFECTIVE CLEFT AND CRANIOFACIAL CARE**
D. D. Sweeney, R. R. Reid, S. Agarwal, S. P. Bartlett, L. A. Whitaker

17H05 (5') DISCUSSION

17H10 (6')
S25.12 **CORRECTION OF HYPERTELORBITISM. LONG TERM RESULTS WITH DIFFERENT TECHNIQUES**
F. Ortiz-Monasterio

17H17 (6')
S25.13 **ORIENTAL SURGICAL PROTOCOL IN ORBITAL HYPERTELORISM: A 128 CASES**
X. Z. Mu, X. X. Yang, Q. Gu, Z. Y. Yu, M. X. Ding, Z. L. Guo, D. J. Cao, D. Yu, M. Wei, T. S. Chang, S. Z. Feng

17H24 (3')
S25.14 **FACIAL BIPARTITION WITH GRADUAL ORBITAL CONTRACTION: CORRECTION OF WIDE 0-14 CRANIOFACIAL CLEFT**
J. P. Bradley, C. Raposo du Amaral, H. K. Kawamoto, R. Jarrahy, A. Lim

17H28 (3')
S25.15 **BIPARTITION OR BOX OSTEOTOMY FOR THE CORRECTION OF HYPERTELORISM ?**
J. Britto, A. Fattah, R. D. Evans, K. K. Nischal, B. M. Jones, R. D. Hayward, D. J. Dunaway

17H32 (8') DISCUSSION

20H00 - 22H30 CHRIST CHURCH COLLEGE CONGRESS DINNER



TUESDAY 29th SEPTEMBER 2009

08H00 - 09H50

PLENARY ROOM

S26 SYNDROMIC CRANIOSYNOSTOSIS

Chairpersons: *E. Arnaud (France), J. Bradley (USA)*

08H01 (3')

S26.1 **NORMOCEPHALIC PANCRANIOSYNOSTOSIS RESULTING IN LATE PRESENTATION OF ELEVATED INTRACRANIAL PRESSURES**
R. Foo, L. A. Whitaker, S. P. Bartlett

08H05 (3')

S26.2 **CONSISTENCIES IN CEPHALOFACIAL GROWTH PATTERNING IN PATIENTS WITH APERT SYNDROME**
N. Minugh-Purvis, R. Foo, J. Huynh, R. F. Mayro, S. P. Bartlett, L. A. Whitaker

08H09 (3')

S26.3 **A NEW APPROACH TO THE MANAGEMENT OF SYNDROMIC CRANIOSYNOSTOSIS**
R. D. Hayward, D. Dunaway, J. Britto, R. Evans, B. Jones

08H13 (3')

S26.4 **PFEIFFER SYNDROME - A TREATMENT EVALUATION**
J. L. Rhodes, J. A. Fearon

08H17 (3')

S26.5 **MERCEDES BENZ PATTERN CRANIOSYNOSTOSIS**
J. L. Rhodes, J. A. Fearon

08H20 (5') **DISCUSSION**

08H25 (3')

S26.7 **LONG-TERM SURGICAL OUTCOMES OF PATIENTS TREATED FOR TWIST1-CONFIRMED SAETHRE-CHOTZEN SYNDROME**
R. Foo, Y. Guo, D. M. McDonald-McGinn, D. M. Steinbacher, E. H. Zackai, L. A. Whitaker, S. P. Bartlett

08H29 (3')

S26.8 **INTRACRANIAL PRESSURE CHANGES IN CHILDREN WITH APPARENTLY NON-SYNDROMIC UNICORONAL SYNOSTOSIS**
K. A. Eley, D. Johnson, A. Wilkie, J. Jayamohan, P. Richards, S. Wall

08H33 (3')

S26.9 **REOPERATION FOR INTRACRANIAL HYPERTENSION IN TWIST1 CONFIRMED SAETHRE-CHOTZEN SYNDROME**
R. H. Woods, E. Ul-haq, A. O. M. Wilkie, J. Jayamohan, P. G. Richards, D. Johnson, T. Lester, S. A. Wall

08H37 (3')

S26.10 **CLINICAL FEATURES OF DELAYED CRANIAL PANSYNOSTOSIS**
J. E. Clune, J. M. Stoler, A. K. Greene, M. R. Proctor, J. G. Meara, J. B. Mulliken, G. F. Rogers

08H41 (3')

S26.11 **INCIDENCE OF RAISED INTRACRANIAL PRESSURE IN PATIENTS WITH CROUZON'S SYNDROME**
G. S. Abu-Sitta, D. Dunaway, R. Hayward, K. Nishal, A. Liasis, D. Thompson

08H44 (5') **DISCUSSION**

08H49 (6')

S26.13 **NEUROSURGICAL PRIORITIES OF MULTIDISCIPLINARY MANAGEMENT OF EXTREME FACIOCRANIOSYNOSTOSIS : EXPANDING THE SKULL VERSUS SHUNTING**
F. Di Rocco, E. Arnaud, L. Roisin, S. James, D. Nowinski, P. Meyer, C. Sainte-Rose, V. Couloigner, M. Morisseau Durand, P. Diner, C. Tomat, D. Renier

08H56 (3')

S26.14 **RAISED INTRACRANIAL PRESSURE IN PFEIFFERS SYNDROME**
N. U. O. Jeelani, A. Khan, A. White, D. Dunaway, R. Hayward

09H00 (3')

S26.15 **THE PLACE OF ENDOSCOPIC THIRD VENTRICULOSTOMY IN CHILDREN WITH FACIOCRANIOSYNOSTOSIS**
F. Di Rocco, C. Juca, C. Sainte-Rose, E. Arnaud, D. Renier

09H04 (3')

S26.16 **CLOVERLEAF CRANIOSYNOSTOSIS AND HYDROCEPHALUS**
G. Machado, F. Di Rocco, P. Meyer, D. Marchac, E. Arnaud, D. Renier

09H07 (5') **DISCUSSION**

09H12 (6')

S26.18 **PFEIFFER SYNDROME: THE CHALLENGING SYNDROMIC CRANIOSYNOSTOSIS**
A. V. H. Greig, J. Wagner, S. M. Warren, B. H. Grayson, J. G. McCarthy

09H19 (3')

S26.19 **NON-SYNDROMIC COMPLEX CRANIOSYNOSTOSIS**
M. Czerwinski, J. Kolar, J. A. Fearon

09H23 (3')

S26.20 **SEQUENCE OF CRANIO-FRONTO-ORBITAL RECONSTRUCTION IN SYNDROMIC PANSYNOSTOSIS ASSISTED WITH DISTRACTION OSTEOGENESIS AND TISSUE EXPANSION**
V. K. Singhal

09H27 (3')

S26.21 **CEREBRAL EXPANSION AND EXTERNAL LUMBAR DRAINAGE AFTER FRONTO-FACIAL MONOBLOC ADVANCEMENT**
F. Di Rocco, E. Arnaud, P. Meyer, D. Renier

09H30 (5') **DISCUSSION**

09H35 (3')

S26.23 **QUANTITATIVE MORPHOMETRIC OUTCOMES FOLLOWING THE MELBOURNE METHOD OF TOTAL VAULT REMODELLING FOR SCAPHOCEPHALY**
R. Toma, R. P. Teixeira, A. D. Holmes, L. A. Ellis, S. K. Williams, A. Costa, D. R. McKay, D. Chong, A. L. Greensmith

09H39 (3')

S26.24 **RESULTS OF EARLY SURGERY FOR SCAPHOCEPHALY: EVOLUTION OF A TECHNIQUE**
M. van Veelen, O. Eelkman Rooda, I. Mathijssen, L. van Adrichem

09H43 (3')

S26.25 **OUTCOME ANALYSIS OF OUR FIRST 100 CASES OF SPRING ASSISTED SURGERY FOR THE TREATMENT OF SCAPHOCEPHALY**
L. R. David, S. Glazier, D. Couture, C. Sanger, L. Argenta

09H46 (4') **DISCUSSION**

09H50 - 10H20

Coffee break in Exhibition Hall (University Suite)

Posters viewing in Oriol Room

- 10H20 - 12H15** **PLENARY ROOM**
- S27** **NON SYND CRANIOSYNOSTOSIS**
Chairpersons: *L. David (USA), L. Van Adrichem (The Netherlands), S. Bartlett (U.K.)*
- 10H20** (3')
S27.1 **SURGICAL MANAGEMENT OF SAGITTAL SYNOSTOSIS IN INFANTS: TREATMENT OUTCOMES, CT-BASED MORPHOMETRIC ASSESSMENT AND COMPLICATIONS**
C. R. Forrest, D. Chong, D. J. Murray, P. Dirks, A. Kulkarni
- 10H24** (3')
S27.2 **THE MANAGEMENT OF ISOLATED SAGITTAL SYNOSTOSIS IN THE ABSENCE OF SCAPHOCEPHALY: A CASE SERIES OF EIGHT**
D. G. Morrirt, J. Yen, S. A. Wall, P. Richards, J. Jayamohan, D. Johnson
- 10H27** (3')
S27.3 **MANAGEMENT OF SHUNT RELATED SAGITTAL SYNOSTOSIS**
X. Doorenbosch, C. J. Molloy, S. Santoreneos, D. J. David, P. J. Anderson
- 10H31** (3')
S27.4 **NEW MORPHOMETRIC PARAMETERS FOR SCAPHOCEPHALY ASSESSMENT: SAGITTAL INDEX AND VERTEX SHIFT**
R. P. Teixeira, A. A. Heggie, A. D. Holmes, L. A. Ellis, S. K. Williams, D. Chong, A. L. Greensmith
- 10H34** (3')
S27.6 **LIMITED INCISION STRIP CRANIECTOMY: IS THE ENDOSCOPIC-ASSISTED APPROACH TO SINGLE-SUTURE CRANIOSYNOSTOSIS SAFE?**
M. A. Kerr-Valentic, J. Kestle, F. A. Siddiqi
- 10H38** (3')
S27.7 **LIMITED INCISION SAGITTAL STRIP CRANIECTOMY AND POST-OPERATIVE HELMET THERAPY: REVIEW OF A MULTI-CENTER EXPERIENCE**
A. Mitchell, D. G. Genecov, B. E. Weprin, F. H. Sklar, J. C. Kolar, C. Hobar
- 10H41** (3')
S27.8 **RESULTS OF ENDOSCOPICALLY-ASSISTED SUTURECTOMY AND POST-OPERATIVE HELMET THERAPY TO TREAT SAGITTAL SYNOSTOSIS**
G. Rogers, J. Berry-Candelario, E. Ridgeway, R. Grondin, M. R. Proctor
- 10H44** (5') **DISCUSSION**
- 10H49** (3')
S27.9 **SPRING CRANIOPLASTY ALTERS THE GROWTH VECTORS OF ADJACENT CRANIAL SUTURES**
C. Davis, C. Lauritzen
- 10H53** (3')
S27.10 **CRANIAL EXPANSION BY DISTRACTION FOR CRANIOSYNOSTOSIS IN JAPAN: COMBINED REPORT OF 231 OPERATIONS AND OUR CONSENSUS**
S. Kyutoku, Y. Komuro, Y. Sugawara, A. Hirano, K. Imai, T. Miyawaki, K. Satoh
- 10H57** (3')
S27.11 **DISTRACTION OSTEOGENESIS IN THE CORRECTION OF CONGENITAL PLAGIOCEPHALY**
X. Mu, D. Cao, G. Chai, Z. Yu
- 11H00** (5') **DISCUSSION**
- 11H05** (3')
S27.12 **ANALYSIS OF BRAIN MALFORMATIONS IN SYNDROMIC CRANIOSYNOSTOSIS AND PSYCHOLOGICAL DEVELOPMENT**
J. M. G. Florisson, M. Maliepaard, M. Lequin, I. M. J. Mathijssen
- 11H08** (3')
S27.13 **THE IMPACT OF THE AGE OF SURGERY ON LONG-TERM NEUROPSYCHOLOGICAL OUTCOMES IN SAGITTAL CRANIOSYNOSTOSIS**
A. Patel, D. Bridgett, J. A. Persing
- 11H12** (3')
S27.14 **NEURODEVELOPMENTAL FUNCTIONING AND GENOTYPE IN INFANTS WITH ISOLATED CRANIOSYNOSTOSIS**
A. C. Da Costa, S. J. Knight, V. A. Anderson, S. Reilly, A. Bialocerkowski, A. D. Holmes, D. K. Chong, A. L. Greensmith, R. Savarirayan
- 11H15** (3')
S27.15 **COGNITIVE DEVELOPMENT AND PSYCHOLOGICAL OUTCOMES IN CHILDREN WITH NON-SYNDROMIC, SINGLE-SUTURE CRANIOSYNOSTOSIS: ASSESSING 3 YEAR OLDS POST-SURGICAL INTERVENTION**
H. Care, M. Knapp, J. Reed, C. Godber, D. Hearst
- 11H19** (3')
S27.16 **POST-OPERATIVE NEUROPSYCHOLOGICAL OUTCOMES DURING INFANCY AND EARLY CHILDHOOD IN ISOLATED CRANIOSYNOSTOSIS**
A. C. Da Costa, D. K. Chong, A. D. Holmes, J. G. Meara, A. L. Greensmith
- 11H22** (3')
S27.17 **PSYCHIATRIC DISORDERS IN 86 TRIGONOCEPHALY PATIENTS**
J. J. B. Vlugt van der, J. J. N. M. Meulen van der, H. E. Creemers, E. R. Hovus, J. M. E. Okkerse
- 11H25** (5') **DISCUSSION**
- 11H30** (3')
S27.18 **SQUAMOSAL SUTURE SYNOSTOSIS: AN UPDATE ON A CAUSE OF ATYPICAL SKULL ASYMMETRY**
J. M. Smartt, Jr., D. J. Singh, R. R. Reid, J. C. Hellinger, V. M. Hsu, S. P. Bartlett
- 11H33** (3')
S27.19 **PROGRESSIVE MULTISUTURE SYNOSTOSIS AND PAPILLOEDEMA FOLLOWING METOPTIC CRANIOSYNOSTOSIS REPAIR**
P. P. Sun, S. T. Koseoglu, B. A. Toth
- 11H37** (3')
S27.20 **INTRACRANIAL DEFORMITIES IN METOPIC SYNOSTOSIS**
J. van der Meulen, J. van der Vlugt, A. Stolwijk, J. Okkerse, L. van Adrichem, I. Mathijssen, M. Lequin
- 11H41** (3')
S27.21 **LATE CRANIAL VAULT EXPANSION BY DISTRACTION FOR SYMPTOMATIC CEPHALOCRANIAL DISPROPORTION**
A. D. Denny
- 11H44** (3')
S27.22 **SPRING ASSISTED POSTERIOR VAULT DISTRACTION FOR RAISED INTRACRANIAL PRESSURE – A REVIEW OF OUR FIRST YEAR'S WORKLOAD OF 15 CASES**
M. U. O. Jeelani, A. Khan, A. White, D. Dunaway, R. Hayward
- 11H47** (5') **DISCUSSION**
- 11H52** (3')
S27.23 **DOES THE INCIDENCE OF TRAUMATIC BRAIN INJURY IN CHILDREN INCREASE FOLLOWING CRANIOFRONTAL SURGERY?**
M. S. Gilardino, S. Jandali, L. A. Whitaker, S. P. Bartlett
- 11H55** (3')
S27.24 **PERIOPERATIVE CORTICOSTEROID REDUCES HOSPITAL STAY FOLLOWING FRONTO-ORBITAL ADVANCEMENT**
J. E. Clune, G. F. Rogers, C. Guo, L. Gao, S. Kim, J. G. Meara, M. R. Proctor, J. B. Mulliken, A. K. Greene



- 11H59 (3')**
S27.25 **THE ORIGIN OF TEMPORAL HOLLOWING**
J. van der Meulen, J. Willemsen, J. van der Vlugt, P. Nazir, L. van Adrichem, E. Ongkosuwito, I. Mathijssen, M. Vaandrager
- 12H02 (3')**
S27.26 **DEVELOPMENT OF A NOVEL ADHESIVE RESORBABLE PLATING SYSTEM FOR CRANIOFACIAL RECONSTRUCTION: ANALYSIS OF FRONTAL AND ORBITAL OSTEOTOMY FIXATION**
J. Weinzweig, J. V. Manchio, S. Sati, S. A. Jain, K. Panter, Q. Wu, A. Shrivastava, S. McCarthy
- 12H05 (3')**
S27.27 **PAEDIATRIC CRANIAL VAULT DEFECTS: EARLY EXPERIENCE WITH VITROSS BONE GRAFT SUBSTITUTE**
D. J. Singh, N. Biskup, S. P. Beals, E. F. Joganic, K. Manwaring
- 12H08 (7') DISCUSSION**
- 12H15 - 13H30**
Lunch break in Exhibition Hall (University Suite)
Posters viewing (Oriel Room)
- 13H30 - 14H20** **PLENARY ROOM**
- S28** **IMAGING**
Chairpersons: *J. Persing (USA), A. Stratoudakis (Greece)*
- 13H30 (3')**
S28.1 **A VIRTUAL SURGICAL ATLAS FOR THE TREATMENT OF CRANIOSYNOSTOSIS. PART I – THREE-DIMENSIONAL DIGITAL MODELING OF CRANIOSYNOSTOSIS DEFORMITIES**
R. L. Flores, B. H. Grayson, A. Oliker, J. G. McCarthy
- 13H34 (3')**
S28.2 **A VIRTUAL SURGICAL ATLAS FOR THE TREATMENT OF CRANIOSYNOSTOSIS. PART II – SURGICAL ANIMATIONS**
R. L. Flores, A. Oliker, J. G. McCarthy
- 13H38 (3')**
S28.3 **QUANTITATIVE EVALUATION OF CRANIOFACIAL SURGICAL OUTCOMES IN METOPIC SYNOSTOSIS WITH THREE-DIMENSIONAL PHOTOGRAPHY**
R. P. Teixeira, S. K. Williams, L. A. Ellis, A. Costa, A. D. Holmes, D. Chong, A. L. Greensmith
- 13H42 (3')**
S28.4 **THREE DIMENSIONAL PHOTOGRAPHIC COMPARISON OF EARLY POST-OPERATIVE FACIAL AND FOREHEAD SYMMETRY IN PATIENTS WITH UNILATERAL CORONAL SYNOSTOSIS: FRONTO-ORBITAL ADVANCEMENT VS. SUTURECTOMY AND HELMET THERAPY**
S. P. K. Tan, M. R. Proctor, J.B. Muliken, G. F. Rogers
- 13H46 (3')**
S28.5 **MEASURING CRANIAL VAULT VOLUME WITH 3D PHOTOGRAPHY: A NOVEL APPROACH TO QUANTITATIVELY EVALUATING OUTCOMES IN SURGERY FOR CRANIOSYNOSTOSIS**
D. R. McKay, S. K. Williams, L. A. Ellis, K. M. Davidge, R. P. Texeira, D. K. Chong, A. L. Greensmith, A. D. Holmes
- 13H49 (5') DISCUSSION**
- 13H54 (3')**
S28.6 **CT SCANS IN THE MANAGEMENT OF NON-SYNDROMIC SINGLE SUTURE CRANIOSYNOSTOSIS: INCIDENTAL FINDINGS AND ROLE IN MANAGEMENT**
C. R. Forrest, B. Rechner
- 13H58 (3')**
S28.7 **DIAGNOSTIC PAEDIATRIC CT SCANS OF THE HEAD: ACTUAL DOSAGE VS. ESTIMATED RISK**
D. Jaffurs, A. D. Denny

- 14H02 (3')**
S28.8 **COMPREHENSIVE MORPHOLOGIC ANALYSIS OF CRANIOSYNOSTOSIS**
L. F. Domeshek, M. Schoemann, A. Harijan, S. Saba, S. Mukundan, J. Van Aalst, J. Marcus
- 14H06 (3')**
S28.9 **THREE-DIMENSIONAL VOLUMETRIC APPROACH TO EVALUATING THE MORPHOLOGY AND QUANTIFYING THE AIRWAY SPACE IN CRANIOFACIAL ANOMALIES**
G. Captier, P. A. Diner, M. Bigorre, C. Baumler, A. Picard
- 14H10 (3')**
S28.10 **ANATOMIC STUDY OF THE MAXILLO-MANDIBULAR RELATIONSHIP IN HUMAN FETUSES : INTRODUCTION TO A PRENATAL CEPHALOMETRY**
G. Captier, J. Faure, M. Baumler, F. Canovas, F. Bonnel, J. Daures
- 14H13 (7') DISCUSSION**
- 14H20 - 15H20** **PLENARY ROOM**
- S29-A** **SCIENCE AND RESEARCH PART 1**
Chairpersons: *A. Wilkie (U.K.), M. Longaker (USA)*
- 14H20 (6')**
S29.A.1 **USE OF RHBMP-2 AND MASTERGRAFT (TM) IN THE REPAIR OF CRANIAL DEFECTS IN CHILDREN**
D. G. Genecov, C. R. Barceló, B. E. Weprin, L. R. Opperman
- 14H27 (3')**
S29.A.2 **INKJET BASED BIO-PATTERNING OF BMP2 AND NOGGIN TO SPATIALLY CONTROL BONE FORMATION IN VIVO**
M. R. Bykowski, G. M. Cooper, E. D. Miller, E. L. Lensie, G. E. DeCesare, A. Usas, J. Huard, L. E. Weiss, J. E. Losee, P. G. Campbell
- 14H30 (3')**
S29.A.3 **THE DIFFERENTIAL EFFECTS OF BMP-2 AND 9 IN CRITICAL-SIZED, MURINE CRANIAL DEFECTS**
I. A. Seitz, L. Spiguel, C. M. Teven, C. Wietholt, M. Januzek, R. Hayden, H. H. Luu, T. He, R. R. Reid
- 14H34 (3')**
S29.A.4 **RHBMP-2 INDUCES BONE FORMATION IN LARGE CRANIAL DEFECTS IN THE PRESENCE OF REPAIRED DURA MATER**
L. A. Opperman, D. He, M. Herbert, R. Barceló, M. E. Elsalanty, B. E. Weprin, D. G. Genecov
- 14H37 (3')**
S29.A.5 **BMP-2-BASED REGENERATION OF LARGE-SCALE CALVARIAL DEFECTS FOLLOWING SEVERE SURGICAL SITE INFECTION IN RABBITS**
G. E. DeCesare, G. M. Cooper, D. M. Smith, J. J. Cray, E. L. Lensie, M. Bykowski, M. P. Mooney, J. E. Losee
- 14H40 (5') DISCUSSION**
- 14H45 (6')**
S29.A.6 **CRANIOSYNOSTOSIS: CLINICAL INSIGHTS AND IDENTIFICATION OF POTENTIALLY NEW ASSOCIATED LOCI**
D. N. McDonald-McGinn, S. Bartlett, L. Whitaker, A. Santani, C. Stolle, E. Zackai
- 14H51 (3')**
S29.A.7 **THE ROLE OF ANK AND INORGANIC PYROPHOSPHATES IN BONE REMODELING AND OSTEOCLASTIC ACTIVITY: CELLULAR AND MOLECULAR BASIS OF CRANIOMETAPHYSEAL DYSPLASIA**
H. Nah, S. Abdelmagid, A. Zajac, S. Imad, M. A. Radecki

14H55 (3')
S29.A.8 **FRONTORHINY, A DISTINCTIVE PRESENTATION OF FRONTONASAL DYSPLASIA CAUSED BY RECESSIVE MUTATIONS IN THE ALX3 HOMEBOX GENE**
S. R. F. Twigg, S. L. Versnel, G. Nurnberg, M. M. Lees, M. Bhat, P. Hammond, R. C. M. Hennekam, J. M. Hoogeboom, J. A. Hurst, D. Johnson, A. A. Robinson, P. J. Scambler, D. Gerrelli, P. Nurnberg, I. M. J. Mathijssen, A. O. M. Wilkie

14H58 (5') DISCUSSION

15H03 (6')
S29.A.9 **TISSUE TURNOVER IN THE XENOPUS LAEVIS SKULL DURING METAMORPHOSIS**
B. J. Slater, K. J. Liu, N. Quarto, M. D. Kwan, M. T. Longaker

15H09 (3')
S29.A.10 **PROGENITOR CELL MOBILIZATION ENHANCES BONY HEALING VIA IMPROVED NEOVASCULARIZATION AND OSTEOGENESIS**
X. Wang, R. J. Allen Jr., J. Tutela, E. H. Davidson, P. D. Nguyen, A. M. Sailon, G. K. Paek, P. B. Saadeh, S. M. Warren

15H13 (3')
S29.A.11 **INFLUENCE OF PLATELET RICH PLASMA ON NICOTINE COMPROMISED DISTRACTION OSTEOGENESIS**
L. Ma, L. W. Zheng, L. K. Cheung

15H16 (4') DISCUSSION

15H20 – 15H50
Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriol Room

15H50 - 17H05 **PLENARY ROOM**
S29-B SCIENCE AND RESEARCH PART 2
Chairpersons: *A. Wilkie (U.K.), M. Longaker (USA)*

15H50 (3')
S29.B.1 **HUMAN ADIPOSE-DERIVED STROMAL CELLS ELABORATE AND RESPOND TO BONE MORPHOGENETIC PROTEIN-2 (BMP-2) DURING IN VITRO OSTEOGENIC DIFFERENTIATION**
D. M. Gupta, N. J. Panetta, D. C. Wan, M. T. Longaker

15H54 (6')
S29.B.2 **TISSUE-HARVEST PROCEDURE HAS NO EFFECT ON ADIPOSE-DERIVED STROMAL CELL-MEDIATED BONE TISSUE ENGINEERING IN VITRO**
N. J. Panetta, D. M. Gupta, M. D. Kwan, D. C. Wan, G. W. Commons, M. T. Longaker

16H00 (3')
S29.B.3 **RAPID AND EFFICIENT FEEDER-FREE GENERATION OF HUMAN ADIPOSE STROMAL CELL-DERIVED INDUCED PLURIPOTENT STEM CELLS (HASC-IPSCS)**
N. J. Panetta, D. M. Gupta, N. Sun, K. D. Wilson, A. Lee, F. J. Jia, R. C. Robbins, M. T. Longaker, J. C. Wu

16H04 (5') DISCUSSION

16H09 (6')
S29.B.4 **IRF6 AS A DOWNSTREAM EFFECTOR OF TGF β 3 SIGNALING IN PALATOGENESIS: IN UTERO SOMATIC DELIVERY OF AD-IRF6 RESCUES THE PALATAL FUSION DEFECT IN TGF β 3-/- MICE**
C. Wu, G. Lakin, B. H. Yang, I. Salhab, R. E. Kirschner, H. D. Nah

16H16 (6')
S29.B.5 **CHEMICAL RESCUE OF CLEFT PALATE AND MIDLINE DEFECTS IN CONDITIONAL GSK-3 β MICE**
K. J. Liu, J. R. Arron, K. Stankunas, G. R. Crabtree, M. T. Longaker

16H23 (3')
S29.B.6 **ALTERNATIVES OF ALVEOPLASTY: PERIODONTAL REGENERATION AFTER REPAIRED MAXILLA ALVEOLAR BONY DEFECT BY ENGINEERED AUTOLOGOUS BONE MARROW MESENCHYMAL STEM CELLS**
H. Chao, T. Lin, H. Chung, S. Chang

16H27 (3')
S29.B.7 **EFFECTS OF CRITICAL PALATAL BONE DEFECT ON CRANIOFACIAL GROWTH IN A RAT MODEL**
B. Bahuleyan, K. Chadipiralla, A. Gallego, E. Jolley, J. Godel, C. Huang, F. Garcia-Godoy, E. J. Stelnicki

16H30 (6') DISCUSSION

16H36 (6')
S29.B.8 **DEVELOPMENT OF NEW SYNTHETIC BONE BY USING OF ELECTRON BEAM IRRADIATION ON THE HYDROXYAPATITE AND TRICALCIUM PHOSPHATE MIXTURES**
S. M. Kim, J. M. Park, M. Y. Eo, J. H. Lee

16H43 (3')
S29.B.9 **COMPOSITE TISSUE ENGINEERING SOLUTIONS FOR CRANIOFACIAL DEFECTS**
E. H. Davidson, A. C. Allori, D. D. Reformat, E. A. Clark, J. L. Ricci, S. M. Warren

16H47 (3')
S29.B.10 **COMBINATION OF GUIDED OSTEOGENESIS WITH INJECTABLE AUTOLOGOUS PLATELET-RICH FIBRIN GLUE (PRFG) AND MESENCHYMAL STEM CELL FOR RECONSTRUCTION OF MANDIBULAR DEFECTS**
H. T. Liao, C. H. Chen, C. T. Chen

16H51 (3')
S29.B.11 **REGIONAL DIFFERENCES IN NEURAL CREST AND PARAXIAL MESODERM-DERIVED CALVARIAL BONE HEALING EXIST, PERSIST WITH AGE, AND ARE ASSOCIATED WITH DIFFERENTIALLY ACTIVATED WNT SIGNALING**
N. J. Panetta, D. M. Gupta, N. Quarto, B. Behr, M. D. Kwan, M. T. Longaker

16H55 (3')
S29.B.12 **LARGE SCALE MEMBRANOUS BONE REPAIR ENGINEERED BY TRICALCIUM PHOSPHATE AND GELATIN-SANDWICHED SCAFFOLD AND BONE MARROW MESENCHYMAL STEM CELLS**
H. Chung, F. Lin, T. Lin, S. Chang

16H58 (7') DISCUSSION

19H30 – 21H00 OXFORD UNIVERSITY MUSEUM OF NATURAL HISTORY CONGRESS RECEPTION



WEDNESDAY 30th SEPTEMBER 2009

08H00 - 09H20 PLENARY ROOM

- S30** **MONOBLOC, MIDFACE, DISTRACTION**
Chairpersons: *J. Polley (USA), D. Dunaway (U.K.), P. Dogliotti (Argentina)*
- 08H00 (3')**
S30.1 **OCULAR MOVEMENT IN MONOBLOC DISTRACTION SURGERY**
E. J. Fitzgerald O'Connor, O. Jeelani, A. Pooniah, D. D. Marucci, H. Witherow, D. Dunaway, R. Hayward
- 08H04 (3')**
S30.2 **REOSSIFICATION OF CRANIUM AND ZYGOMATIC ARCH AFTER MONOBLOC FRONTOFACIAL DISTRACTION ADVANCEMENT FOR SYNDROMIC CRANIOSYNOSTOSIS**
A. Oyama, D. Renier, D. Marchac, E. Arnaud
- 08H07 (3')**
S30.3 **REFINING AESTHETIC OUTCOMES IN FRONTOFACIAL ADVANCEMENT BY DISTRACTION**
D. J. Dunaway, T. Lloyd, R. D. Evans, J. Britto, B. M. Jones, R. D. Hayward
- 08H10 (6')**
S30.4 **COMBINED DISTRACTION, TRACTION AND CONTRACTION IN EXTREME FACIOCRANIOSYNOSTOTIC INFANTS**
E. Arnaud, F. Di Rocco, P. Meyer, D. Renier
- 08H16 (5') DISCUSSION**
- 08H21 (6')**
S30.5 **SUB-CRANIAL LE FORT III MAXILLARY ADVANCEMENT WITH INTRAORAL DEVICES**
C. A. Guerrero, M. Gonzalez
- 08H27 (3')**
S30.6 **OUTCOMES OF SYNDROMIC CRANIOSYNOSTOSIS TREATMENT WITH EXTERNAL DEVICES BASED ON SURGICAL TECHNIQUE AND VECTOR DIRECTION**
N. Alonso, D. C. Goldenberg, H. Matushita, E. O. Bastos, M. C. Ferreira
- 08H31 (3')**
S30.7 **OUR PREFERENCE OF DISTRACTION DEVICE FOR LE FORT III USING ZYGOMA-ZYGOMA TYPED INTERNAL DEVICE AND TRANSFACIAL PINNING SYSTEM IN OUR SYNDROMIC CRANIOSYNOSTOSIS SERIES**
K. Satoh, N. Mitsukawa, K. Kadomatsu, Y. Kanazawa
- 08H35 (3')**
S30.8 **A COMPARISON OF INTERNAL AND EXTERNAL DISTRACTION IN THE MANAGEMENT OF MID-FACIAL DEFICIENCY IN PATIENTS WITH SYNDROMIC CRANIOSYNOSTOSIS**
A. A. C. Heggie, A. D. Holmes, A. L. Greensmith
- 08H38 (5') DISCUSSION**
- 08H43 (6')**
S30.9 **MULTI-DIRECTIONAL CRANIOFACIAL DISTRACTION OSTEOGENESIS (MCDO) METHOD FOR THE TREATMENT OF CRANIOSYNOSTOSIS**
Y. Sugawara, H. Uda, S. Sarukawa, A. Sunaga
- 08H49 (3')**
S30.10 **ENDOSCOPICALLY ASSISTED LEFORT III OSTEOTOMY USING AN ULTRASONIC SCALPEL—A FEASIBILITY STUDY IN CADAVERS**
J. A. Taylor, D. C. Jones, R. A. Maercks, C. B. Gordon

- 08H53 (3')**
S30.11 **VOLUMETRIC AIRWAY CHANGES FOLLOWING LE FORT III ADVANCEMENT IN SYNDROMAL CRANIOSYNOSTOSIS PATIENTS**
E. B. Wolvius, E. Nout, F. Bouw, L. N. A. van Adrichem, I. M. J. Mathijssen, J. J. N. M. vander Meulen, J. F. Veenland

- 08H56 (3')**
S30.12 **PALATAL SPLIT FOR UPPER AIRWAY OBSTRUCTION**
W. J. Flapper, P. J. Anderson, D. J. David

08H59 (5') DISCUSSION

- 09H04 (3')**
S30.13 **HEALTH RELATED QUALITY OF LIFE OF CHILDREN WITH A SYNDROMIC CRANIOSYNOSTOSIS AND THEIR PARENTS**
M. Maliepaard, N. Bannink, I. M. J. Mathijssen

- 09H08 (3')**
S30.14 **AUDIOLOGIC FINDINGS IN SAETHRE-CHOTZEN SYNDROME**
H. Rosen, B. Andrews, J. B. Mulliken, J. G. Meara, G. F. Rogers

- 09H12 (3')**
S30.15 **RELIABLY PREDICTING OSA IN COMPLEX AND SYNDROMIC CRANIOSYNOSTOSIS**
I. Mathijssen, N. Bannink, K. Joosten

09H15 (5') DISCUSSION

09H20 - 09H40 PLENARY ROOM

- S31-A** **TRAUMA PART 1**
Chairpersons: *J. Gruss (USA), N. Alonso (Brazil)*

- 09H20 (6')**
S31.A.1 **179 MANDIBLE FRACTURES IN 96 CHILDREN: DEMOGRAPHICS, TREATMENT, EARLY OUTCOMES, AND A PROSPECTIVE ANALYSIS OF GROWTH AND DEVELOPMENT**
D. M. Smith, M. Bykowski, G. DeCesare, L. Vecchione, M. P. Mooney, A. Rottgers, S. Naran, S. Jiang, F. Deleyiannis, J. Madia, J. E. Losee

- 09H26 (3')**
S31.A.2 **RECONSTRUCTION OF VARIOUS MANDIBULAR DEFECTS USING BONE TRANSPORT DISTRACTORS, A STUDY OF 44 CASES**
H. A. El-Mekkawi, T. N. Taher, M. E. Hassan, M. E. El-Salanty, G. K. El-Morshedy

- 09H30 (3')**
S31.A.3 **DYNAMIC DISTRACTION TREATMENT FOR MANDIBULAR CONDYLAR FRACTURE USING INTERNAL DISTRACTION DEVICE**
Y. Watanabe, T. Akizuki, K. Yoshimura, K. Agawa, T. Ota, T. Osawa, R. Sasaki

- 09H34 (3')**
S31.A.4 **COMPARISON OF FUNCTIONAL OUTCOME OF ABSORBABLE AND TITANIUM PLATE FIXATION IN MANDIBULAR FRACTURE—A ONE YEAR PROSPECTIVE STUDY**
H. T. Liao, C. H. Chen, C. T. Chen

09H37 (3') DISCUSSION

09H40 - 10H10
Coffee break in Exhibition Hall (University Suite)
Posters viewing in Oriel Room

10H10 - 11H15 PLENARY ROOM

- S31-B** **TRAUMA PART 2**
Chairpersons: *J. Gruss (USA), D. Goldenberg (Brazil)*

- 10H10 (6')**
S31.B.1 **COMPLEX ACQUIRED ORBITAL ANOPHTALMOS : 100 CASES**
E. Sorrel Dejerine

10H16 (3')
S31.B.2 **CONSECUTIVE CASE REVIEW OF THE LINEAR-TYPE BLOWOUT FRACTURE**

H. Yano, A. Hirano

10H20 (3')
S31.B.3 **MANAGEMENT OF FACIAL FRACTURES WITH CONCOMITANT BRAIN INJURIES**

Y. Chen, H. Liao, C. Chen, C. Chen

10H24 (3')
S31.B.4 **ANTERIOR SKULL BASE FRACTURES: A PHILOSOPHY OF CARE**

M. Galiè, R. Tieghi, L. Clauser

10H27 (5') **DISCUSSION**

10H32 (6')
S31.B.5 **THE SPECTRUM OF PAEDIATRIC FACIAL FRACTURES: INJURY PATTERNS, ASSOCIATED INJURIES, AND OUTCOMES IN 782 CONSECUTIVE PATIENTS WITH SEVERE AND NON-SEVERE INJURIES**

L. J. Grunwaldt, N. S. Zuckerbraun, G. E. DeCesare, M. Chao-Mills, R. Saladino, D. M. Smith, S. Naran, S. Jiang, F. W. B. Deleyiannis, J. V. Madia, L. Bolling, L. Vecchione, J. E. Losee

10H38 (3')
S31.B.6 **MILD TRAUMATIC BRAIN INJURY (MTBI) IN CHILDREN AND ADOLESCENTS: CAN FACIAL FRACTURE PATTERN HELP TO PREDICT PATIENTS AT RISK?**

L. J. Grunwaldt, N. S. Zuckerbraun, G. E. DeCesare, M. Chao-Mills, R. Saladino, D. M. Smith, S. Naran, J. V. Madia, S. Jiang, F. W. B. Deleyiannis, L. Vecchione, L. Bolling, J. E. Losee

10H42 (3')
S31.B.7 **SEVERE PAEDIATRIC ORBITAL FRACTURES – TREATMENT AND FOLLOW-UP**

D. J. Nowinski, E. Arnaud, F. Di Rocco, T. Roujeau, D. Renier

10H46 (3')
S31.B.8 **ADVERSE OUTCOMES IN PAEDIATRIC FACIAL FRACTURES**

S. Rottgers, G. DeCesare, M. Chao, D. Smith, S. Naran, M. Bykowski, L. Vecchione, L. Grunwaldt, J. E. Losee

10H49 (5') **DISCUSSION**

10H54 (3')
S31.B.9 **TOWARDS AN ANATOMICAL RECONSTRUCTION OF LARGE CRANIAL DEFECTS USING PEEK CUSTOM-MADE IMPLANTS**

F. Lauwers, F. Jalbert, F. Boutault, S. Boetto, E. Schmidt, F. Roux

10H58 (3')
S31.B.10 **NEOPLASM OF CRANIOFACIAL SKELETON IN CHILDHOOD. DIAGNOSIS AND TREATMENT**

M. Zama, L. Santecchia, G. Spuntarelli, U. Urbani, F. Maggiulli

11H02 (3')
S31.B.11 **CRANIOFACIAL SURGICAL ONCOLOGY IN ADULTS & CHILDREN: CONTRASTS IN MANAGEMENT PHILOSOPHY & EXPERIENCE**

J. A. Britto, J. Pollock, A. Maheshwar, B. Hartley, R. D. Hayward, D. J. Dunaway

11H06 (3')
S31.B.12 **COMPUTER GENERATED HARD TISSUE REPLACEMENT (HTR) IMPLANTS FOR RECONSTRUCTION OF COMPLEX PAEDIATRIC CRANIAL DEFECTS**

C. R. Forrest, D. Peters

11H09 (6') **DISCUSSION**

11H15 - 12H05 **PLENARY ROOM**

S32 TUMOR
Chairpersons: *M. Mckinnon (USA), X. Mu (China)*

11H15 (3')
S32.1 **EXCISION OF ORBITAL TUMORS USING HORIZONTAL Y INCISION AND LATERAL ORBITOTOMY**

M. D. Pereira, P. G. Manso, L. Paves, A. Woloosker, L. M. Ferreira

11H19 (3')
S32.2 **NOT ALL ORBITS ARE ALIKE - IN SEARCH OF MORPHOLOGICAL PARAMETERS MAKING ORBITAL DECOMPRESSION PROCEDURES FOR THYROID EYE DISEASE MORE PREDICTABLE**

B. Hammer, L. Kamer, H. Noser

11H23 (3')
S32.3 **CRANIOFACIAL NEUROFIBROMA**

M. Mckinnon

11H27 (3')
S32.4 **STRATEGIES FOR A SAFE SURGICAL MANAGEMENT OF HIGH FLOW VASCULAR MALFORMATIONS**

D. C. Goldenberg, J. G. Caldas, P. Puglia, N. C. Alonso, E. O. Bastos, M. C. Ferreira

11H31 (3')
S32.5 **CRANIOFACIAL FIBROUS DYSPLASIA: REMODELING SURGERY USING THE DYSPLASTIC BONE**

R. L. Salomons, R. F. V. Dornelles, A. L. Silva, A. S. Silva, V. L. N. Cardim

11H34 (5') **DISCUSSION**

11H39 (6')
S32.6 **APPROACH TO ANTERIOR SKULL BASE TUMOURS**

H. J. Jaju

11H46 (3')
S32.7 **SUBCRANIAL APPROACH FOR ANTERIOR SKULL BASE TRAUMA AND TUMORS**

S. Heredero, A. Dean, J. Solivera, F. Alamillos

11H50 (3')
S32.8 **A LATERAL APPROACH AT UPPER CORNER OF ORBIT IN FRONTO-ORBITAL FIBROUS DYSPLASIA: LESS INVASIVE AND MORE EFFECTIVE APPROACH FOR MORPHOLOGICAL RECONSTRUCTION AND OPTIC FUNCTIONAL RESTORATION**

X. X. Yang, X. Z. Mu, Z. L. Guo, Z. Y. Yu

11H54 (3')
S32.9 **THE INTERNAL MAMMARY ARTERY COMBINED FLAP FOR CRANIOFACIAL RECONSTRUCTION**

Y. Takeichi, T. Hiroyuki, Y. Hiramatsu, M. Katoh, K. Yokoo

11H57 (7') **DISCUSSION**

12H05 - 12H55 **PLENARY ROOM**

S33 AESTHETIC SURGERY
Chairpersons: *L. Whitaker (USA), K. Satoh (Japan)*

12H05 (3')
S33.1 **SURGICAL RESTORATION OF ORBITAL VOLUME IN THE AGED ENOPHTHALMIA. AN INTERFACE BETWEEN AESTHETIC AND CRANIOFACIAL TECHNIQUES**

J. M. Chavanne

12H09 (3')
S33.2 **ORBITAL EXPANSION IN FACIAL REJUVENATION SURGERY. A STIMULUS TO CORRECT EXOPHTHALMOS?**

J. M. Chavanne, D. M. Steinberg, D. A. Lovera



12H13 (3')
S33.3 **A GRADED APPROACH TO ORBITAL EXPANSION IN CONGENITAL MICROPHALMIA USING OSMOTIC EXPANDERS AND DERMIS FAT GRAFTS**
W. R. Katowitz, J. A. Katowitz

12H17 (3')
S33.4 **REDUCTION MALARPLASTY USING WEDGE-SECTION OSTEOTOMY IN ASIAN AESTHETIC FACIAL CONTOURING: COMPARED STUDY WITH CONVENTIONAL PROCEDURES**
X. Z. Mu, X. X. Yang, Z. Y. Yu, Q. Gu, D. J. Cao, D. Yu, M. Wei, T. S. Chang

12H21 (3')
S33.5 **SUBPERIOSTEAL REJUVENATION OF THE MIDFACE AND PERIORBITAL AREA - A 19 YEAR EXPERIENCE**
C. Hobar

12H24 (5') DISCUSSION

12H29 (3')
S33.6 **VERTICAL OPTIMIZATION OF THE FACE WITH GENIOPLASTY**
C. Hobar

12H33 (3')
S33.7 **BINDER SYNDROME: A 30 YEAR REVIEW**
N. R. McLean, S. Chummun, T. Al-Bulushi, P. J. Anderson, M. Nugent, D. J. David

12H37 (3')
S33.8 **SINGLE-SPLINT ORTHOGNATHIC SURGERY AND ITS APPLICATION ON TREATING FACIAL ASYMMETRY**
Y. Chen

12H41 (3')
S33.9 **AESTHETIC REDUCTION SURGERY FOR ZYGOMA AND MANDIBULAR ANGLE: AN OUTCOME ASSESSMENT**
B. Choi, L. Lo

12H45 (3')
S33.10 **MASCULINIZATION OF THE MALE FACE**
D. K. Ousterhout

12H48 (7') DISCUSSION

12H55 - 13H00 **PLENARY ROOM**

S34 **CONGRESS CLOSING**
WELCOME TO NEW OFFICERS
S. Wall
E. Arnaud

POSTERS

Posters are on display in the Oriol room (ground floor)

- P01** TRANSLAMBDROID SPRING-ASSISTED SKULL EXPANSION IN INFANTS
D. Renier, F. Di Rocco, R. Ven, E. Arnaud
- P02** MANAGEMENT OF PAEDIATRIC OBSTRUCTIVE SLEEP APNEAS BY DISTRACTION OSTEOGENESIS
A. Rachmiel, D. Aizenbud
- P03** FRONTOFACIAL MONOBLOC DISTRACTION UTILISING THE STEALTHSTATION® INTRA OPERATIVE NAVIGATION SYSTEM - "THE ABILITY TO SEE WHERE YOU ARE CUTTING."
N. U. O. Jeelani, A. Khan, E. J. Fitzgerald O'Connor, D. Dunaway, R. Hayward
- P05** MANDIBULAR DISTRACTION OSTEOGENESIS TO RELIEVE PIERRE ROBIN SEVERE AIRWAY OBSTRUCTION IN NEONATES: INDICATION AND OPERATION
W. M. Shen, J. Cui, J. B. Chen, J. J. Zou, Y. Ji
- P07** PAEDIATRIC CRANIOFACIAL FRACTURE PATTERNS AND OUTCOMES
R. E. Rubinstein, S. Naran, G. DeCesare, S. Jiang, D. Smith, J. E. Losee
- P08** ORBIT-ZYGOMATIC RECONSTRUCTION WITH A BIOGLASS IN POLYMERIC MATRIX COMPOSITE – A NEW PROSPECT IN BIOMATERIALS – CLINICAL AND TOMOGRAPHIC FINDINGS
C. L. Turrer, A. P. Figueiredo, R. L. Oréfice, P. E. Maciel, J. S. F. Barbi
- P09** ECTOPIC GLIONEURONAL TISSUE IN THE MIDDLE CRANIAL FOSSA REGION
J. S. Gruss, A. Avellino, S. Manning, T. J. Abel
- P10** SURGICAL TREATMENT OF NASO-ETHMOIDAL TUMORS
A. Hirano
- P11** JAW TUMORS IN A PAEDIATRIC POPULATION. A RETROSPECTIVE ANALYSIS
N. Kadlub, V. A. I. Belle Mbou, I. Mejri, A. Coulomb L'Hermine, H. Ducou Le Pointe, M. Vazquez, A. Picard
- P12** COMPARATIVE STUDY BETWEEN CORTICAL BONE GRAFT VERSUS BONE DUST FOR THE RECONSTRUCTION OF CRANIAL BURR HOLES
P. V. Worm, M. B. Faria, N. P. Ferreira, M. P. Ferreira, J. L. Kraemer, R. Lenhardt, R. P. M. Alves, L. F. Toschi, M. V. M. Collares
- P13** AUTOLOGOUS FAT TRANSFER FOR FACIAL SOFT TISSUE AUGMENTATION
R. Guijarro, L. Miragall, I. Solis, R. Villar, J. Pascual
- P14** INTRAORAL APPROACH FOR THE CORRECTION OF PROMINENT MANDIBULAR ANGLE ACCORDING TO THE MARK OF MENTAL FORAMEN
J. Han, L. Yu, X. Mu
- P15** PHOTO IMAGING AS A TOOL IN ASSESSING OF FACIAL AESTHETICS BEFORE AND AFTER LE FORT 1 OSTEOTOMY IN PATIENTS WITH CLEFT LIP AND PALATE
S. H. Railavo, K. Hurmerinta
- P16** TBX22 EXPRESSIONS DURING PALATAL DEVELOPMENT IN THE GLUCOCORTICOID/ALCOHOL INDUCED C57BL/6N CLEFT PALATE FETUSES
S. M. Kim, J. M. Park, M. Y. Eo, H. Myoung, J. H. Lee, J. Y. Choi, P. H. Choung, M. J. Kim
- P17** TREATMENT OF FRONTOETHMOIDAL MENINGOENCEPHALOCELE IN CAMBODIA. AN EXPERIENCE OF 52 PATIENTS OVER 3 YEARS
F. Lauwers, F. Roux, N. Oucheng, B. Say, F. Jalbert, B. Joly, J. Gollogly
- P18** MANDIBULAR GROWTH IN PATIENTS WITH HEMIFACIAL MICROSOMIA: A 3DCT IMAGE ANALYSIS
C. Lin, Z. Chen, L. Lo, Y. Chen
- P19** PRESURGICAL ORTHOPEDICS AND PRIMARY GINGIVOPERIOSTEOPLASTY REDUCES THE NEED FOR BONE GRAFTING IN PATIENTS WITH BILATERAL CLEFTS OF THE LIP, ALVEOLUS, AND PALATE
P. D. Nguyen, E. H. Davidson, S. Obaid, B. H. Grayson, C. B. Cutting, S. M. Warren
- P20** PRIMARY GRAFTING WITH BMP-2 AT LIP REPAIR VS. PALATE REPAIR: 4 YEAR RESULTS
M. H. Carstens, E. Ewings
- P21** A NEW TECHNIQUE FOR EAR RECONSTRUCTION USING ONE CARTILAGE
R. da Silva Freitas, G. A. O. Cruz, M. C. Ono, J. H. Shin, N. Alonso
- P22** MANAGEMENT OF MEDIAL CANTHUS AND LATERAL CANTHUS IN ORBITAL HYPERTELORISM
W. M. Shen, G. Wang, J. Cui, J. B. Chen
- P23** AMNIOTIC BAND SYNDROME WITH SIGNIFICANT ORO-CRANIOFACIAL CLEFTS. PRESENTATION OF ONE CASE ALONG WITH ITS TREATMENT
M. Zama, L. Santecchia, G. Spuntarelli, U. Urbani, F. Maggiulli
- P24** OCCIPITAL VAULT EXPANSION AND FORAMEN MAGNUM DECOMPRESSION IN CRANIOSYNOSTOSIS
Y. Komuro, T. Masuda, M. Miyajima, H. Arai
- P25** ANALYSIS OF A MOUSE MODEL FOR SAETHRE-CHOTZEN SYNDROME
T. Nuri, K. Ueda, S. Iseki, M. Ota, M. Hara
- P26** EAR POSITION IN LAMBDOID SYNOSTOSIS
C. J. Chike-Obi, D. A. Hatef, A. Momoh, R. C. Dauser, L. H. Hollier
- P27** ASSOCIATED FACTORS FOR HYPONATREMIA IN SURGICAL CORRECTION OF CRANIOSYNOSTOSIS IN CHILDREN
M. Bykowski, S. Naran, L. Grunwaldt, E. Schmitt, M. Moritz, I. Pollack, J. Losee, F. Cladis
- P28** MAJOR COMPLICATION AND MORTALITY RATES IN CRANIOFACIAL SURGERY: AN ANALYSIS OF 8053 MAJOR PROCEDURES
M. Czerwinski, R. Hopper, J. A. Fearon
- P29** INTELLECTUAL OUTCOMES IN CROUZON AND PFEIFFER SYNDROME
W. J. Flapper, P. J. Anderson, R. M. Roberts, D. J. David
- P30** SURGICAL CORRECTION OF METOPIC SYNOSTOSIS: CT BASED MORPHOMETRIC AND OUTCOME ANALYSIS OF 35 CASES
C. R. Forrest, H. O. B. Taylor, J. Mansfield, A. Kulkarni, P. Dirks, J. Drake, J. T. Rutka
- P31** MULTIPLE CALVARIAN DISTRACTION: LONG TERM FOLLOW-UP
E. Nadal López, P. Dogliotti
- P32** PLAGIOCEPHALY CORRECTION WITH IMPLANTABLE SPRINGS
A. S. Silva, V. N. Cardim, R. F. V. Dornelles, R. L. Salomons, A. L. Silva



- P33** ANALYSIS OF DIFFERENCES IN THE CRANIAL BASE AND FACIAL SKELETON IN PATIENTS WITH DEFORMATIONAL PLAGIOCEPHALY AND LAMBDROID SYNOSTOSIS
J. M. Smartt, Jr., R. Elliott, R. R. Reid, J. Hellinger, S. P. Bartlett
- P34** SPRING MEDIATED CRANIOPLASTY IN SAGITTAL AND MULTIPLE SUTURE SYNOSTOSIS
A. Kayçolu, G. Tunçbilek, N. Akalan, K. Benli
- P35** THE RISK OF PSYCHOPATHOLOGY IN CHILDREN WITH CRANIOSYNOSTOSIS
J. J. B. Vlugt van der, J. J. N. M. Meulen van der, S. Willemsen, H. E. Creemers, M. Lequin, J. M. E. Okkerse
- P36** PREVENTION AND TREATMENT OF PENICILLIN-RESISTANT STREPTOCOCCUS PNEUMONIAE (PRSP) MENINGITIS AFTER INTRA-CRANIOFACIAL SURGERY WITH DISTRACTION OSTEOGENESIS
Y. Watanabe, T. Akizuki
- P37** KOMEDYPLAST: A NEW PARADIGM FOR INTERNATIONAL CRANIOFACIAL SURGERY MISSIONS
J. Weinzwieg, S. B. Baker, J. Losee, P. Taub, R. Menard, R. Harshbarger, F. Cladis, M. Starks, J. Duncan
- P38** THE CEPHALOMETRIC ANALYSIS OF “CATCH-UP GROWTH” AFTER DISTRACTIVE OSTEOGENESIS IN A CASE OF PIERRE ROBIN SEQUENCE
M. Hara, K. Ueda, T. Nuri
- P39** TRANSPLANTATION OF A TISSUE-ENGINEERED OSTEOGENIC MATERIAL TO THE DISTRACTED CALLUS IN THE RABBIT MAXILLA
K. Kinoshita, H. Hibi, Y. Yamada, M. Ueda
- P40** MIDFACIAL DISTRACTION USING A TRANSFACIAL PINNING SYSTEM: CASES OF SYNDROMIC CRANIOSYNOSTOSIS WITH OBSTRUCTIVE RESPIRATORY DISORDERS
N. Mitsukawa, K. Satoh, Y. Hosaka
- P41** LENGTHENING OF THE MANDIBLE; BSSO VERSUS DISTRACTION
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Citation for Paul Tessier Medal 2009: Professor Linton A Whitaker

Awarded for major contributions to craniofacial care in general and services to the ISCFS in particular.

It is with pleasure that I announce the decision of the ISCFS Council to award a Tessier Medal to Professor Linton Whitaker of the Children's Hospital of Philadelphia and University of PENNSYLVANIA Medical Centre.

This is in recognition of his long-term commitment and contribution to craniofacial care over many years. He is noted for substantial contributions in surgical technique, research and particularly education (with 222 Scientific papers and co-author of 6 Textbooks). He was the founder of the Craniofacial Programme at CHOP in 1972 with the subsequent implementation of the Philadelphia Fellowship programme in 1975. This has contributed to the education and training of a substantial number (39)of currently practicing Craniofacial Surgeons on an international basis.

Professor Whitaker 's award is also in recognition of his contribution to the ISCFS structure in terms of the financial management of the organisation from 1993. The official title of Chief Financial Officer was conferred on him by the society in 1997.

As a result of his stewardship during this tenure, the ISCFS has achieved a robust financial status despite the financial challenges throughout the period and particularly in the last few years.

As current President, I would like to extend congratulations to Professor Whitaker on behalf of our ISCFS membership, as well as express heartfelt thanks for both his achievements and commitments in the past and the anticipated ongoing contributions for the future.

Steven Arthur Wall,
MBBCh (rand) FRCS FRCPCH FCS (SA) plast
ISCFS President, 2007-2009



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