

**International Society of
Craniofacial Surgery**



IV Biannual Meeting
June 13-16, 1991
Santiago de Compostela
Spain

HONORARY PRESIDENT
H.M. the Queen of Spain

CHAIRMAN
Dr. A. G. Montoya



AUDITORIO DE GALICIA
Santiago de Compostela

under the patronage of the
Paul Tessier Foundation

SOCIAL PROGRAM

JUNE 13, 1991

20.00 Typical Galician Dances
(Seminario Mayor)
Pza. de la Azabachería

20.30 Cocktail Reception
(same place)

JUNE 14, 1991

20.00 Ofrenda al Apóstol Santiago
(Catedral de Santiago)

21.00 Official Dinner
(Hostal Reyes Católicos)

SPOUSES PROGRAM

JUNE 13, 1991

Walking Tour of Santiago
(Visita, "Galicia no Tempo")

JUNE 14, 1991

All day visit to the Rías Bajas, which includes lunch

GENERAL INFORMATION

REGISTRATION:

Wednesday June 12, 1991

Hostal Reyes Católicos 15.30 - 20.00

Thursday June 13, 1991

Auditorio de Galicia 08.00 - 18.00

SLIDE CHECK-IN

Wednesday June 12, 1991

Auditorio de Galicia 15.30 - 20.00

Thursday June 13, 1991

Auditorio de Galicia 07.30 - 18.00

Friday June 14, 1991

Auditorio de Galicia 08.00 - 18.00

Saturday June 15, 1991

Auditorio de Galicia 08.00 - 08.30

LOCATION OF THE SCIENTIFIC SESSION:

Auditorio de Galicia

Avda. do Burgo das Nacions

Santiago de Compostela

INAUGURAL ACT:

Excm. Sr. D. Manuel Fraga Iribarne

President of the "XUNTA DE GALICIA"

FOUNDING MEMBERS DINNER - Thursday, 21,30 (Rest.AnexoVilas)

E.U.R.A.P.S. LUNCH - Friday 13.45 (Host Reyes Católicos)

BUSES: From Hostal Reyes Católicos to the Auditorio de Galicia.

DEPARTURE: Hostal Reyes Católicos 08.00 - 14.30

Auditorio de Galicia 13.30 - 18.30

PROGRAM
IVth MEETING OF THE
INTERNATIONAL SOCIETY
OF CRANIOMAXILLOFACIAL SURGERY

Santiago de Compostela, Spain

June 13-16, 1991

THURSDAY

8:30 AM	Welcome	Dr. A. G. Montoya
8:35 AM	Inaugural act.	D. Manuel Fraga Iribarne
8:40 AM	History of Santiago	Pr. J. Carro
9:25 AM	Inaugural Tessier Lecture	Pr. P.L.Tessier
10:10 AM	Presidential Talk	Dr. J.G.McCarthy
10:30 AM	Coffee Break	

CHAIRMAN: Dr. I.R. Munro **Basic Science**

1 11:00 AM (8m.) **The Interactive Interrogation of CT Data for the Determination of Craniofacial Osseous Landmarks in Three Dimensions.**

A.H.Abbott M.D., D.J.Netherway M.D., T.Brown M.D., J.R. Abbott M.D., D.J.David M.D. No.Adelaide, S.Australia.

2 11:08 AM (8m.) **Computer Assisted Three-Dimensional Planning for Craniomaxillofacial Surgery: Osteotomy Simulation and Three-Dimensional Morphologic Templates.**

D.Altobelli M.D., R.Kikinis M.D., J.Mulliken M.D., W. Stephens M.D., W.Lorensen M.D., H.Cline M.D. Boston, USA

3 11:16 AM (8m.) **3D Panoramic Imaging of Craniosynostosis. J.Marsh M.D., M.Vannier M.D. St.Louis, USA**

4 11:24 AM (12m.) **Craniofacial Surgical Simulation System in 3DCT - Surgi-Plan.**

H.Nakajima M.D., T.Kanoko M.D., T.Kurihara M.D., T. Fujino M.D. Tokyo, Japan

(12 MINUTE VIDEO)

PROGRAM
IVth MEETING OF THE
INTERNATIONAL SOCIETY
OF CRANIOMAXILLOFACIAL SURGERY

Santiago de Compostela, Spain

June 13-16, 1991

THURSDAY

8:30 AM	Welcome	Dr. A. G. Montoya
8:35 AM	Inaugural act.	D. Manuel Fraga Iribarne
8:40 AM	History of Santiago	Pr. J. Carro
9:25 AM	Inaugural Tessier Lecture	Pr. P.L.Tessier
10:10 AM	Presidential Talk	Dr. J.G.McCarthy
10:30 AM	Coffee Break	

CHAIRMAN: Dr. I.R. Munro **Basic Science**

1 11:00 AM (8m.) **The Interactive Interrogation of CT Data for the Determination of Craniofacial Osseous Landmarks in Three Dimensions.**

A.H.Abbott M.D., D.J.Netherway M.D., T.Brown M.D., J.R. Abbott M.D., D.J.David M.D. No.Adelaide, S.Australia.

2 11:08 AM (8m.) **Computer Assisted Three-Dimensional Planning for Craniomaxillofacial Surgery: Osteotomy Simulation and Three-Dimensional Morphologic Templates.**

D.Altobelli M.D., R.Kikinis M.D., J.Mulliken M.D., W. Stephens M.D., W.Lorensen M.D., H.Cline M.D. Boston, USA

3 11:16 AM (8m.) **3D Panoramic Imaging of Craniosynostosis. J.Marsh M.D., M.Vannier M.D. St.Louis, USA**

4 11:24 AM (12m.) **Craniofacial Surgical Simulation System in 3DCT - Surgi-Plan.**

H.Nakajima M.D., T.Kanoko M.D., T.Kurihara M.D., T. Fujino M.D. Tokyo, Japan

(12 MINUTE VIDEO)

5 11:36 AM (8m.) **Craniofacial Skeletal Measurement Based on CT: Accuracy and Reproducibility; Normal Values and Growth Trends.**

A.Waitzman M.D., J.C.Posnick M.D., D.Armstrong M.D., G.Pron M.D. Toronto, Canada

6 11:44 AM (8m.) **A Comprehensive Three Dimensional Cephalometric System of Craniofacial Anomalies.**

C.B.Cutting M.D., A.Kalvin M.D., B.Haddad M.D., J.G. McCarthy M.D. New York, USA

7 11:52 AM (3m.) **Three Dimensional Measurement and Display of an Occlusal Plane Using Cephalograms.**

K.Kusumoto M.D., Y.Ogawa M.D., A.Yanagida M.D. Osaka, Japan

8 11:55 AM (8m.) **3-D Imaging of the Human Skull: Experimental Validation of Image Quality.**

W.J.Holtje M.D., N.Holzknecht M.D., A.Pommert M.D., U.Thiede M.D., K.H.Hohne M.D. Hamburg, Germany

9 12:03 AM (8m.) **An Interactive 3D-CT Surgical Localizer for Craniofacial Surgery.**

C.Vander Kolk M.D., J.Zinreich M.D., N.Bryan M.D., B.Carson M.D. Balmtimore, USA

12:11 PM Questions

12:20 PM Coffee Break

CHAIRMAN: Dr. A. Wolfe **Basic Science**

10 12:38 PM (3m.) **Study of Relationship between the Intelligence Level and the M.N.R. Findings in 40 Aperts Patients.**

L.Brunet M.D., D.Renier M.D., D.Marchac M.D. Paris, France

11 12:41 PM (3m.) **Health Promotion Lifestyle Activities of Mothers of Children with Craniofacial Disorders.**

A.Gudmundsen M.D. Dallas, USA

12 12:44 PM (3m.) **Incidence of Learning Disorders among Children with Hemifacial Microsomia.**

S.Porter-Levy M.D., I.R.Munro M.D., K.Salyer M.D. Dallas, USA

13 12:47 PM (3m.) **Behavior Assessment Before and After Corrective Surgery in Patients with Craniosynostosis.**

J.Scheuerle M.D., M.Habal M.D. Tampa, USA

14 12:50 PM (8m.) **An Index for the Study of Telecanthi and Teleorbitism.**

C.Raposo do Amaral M.D. Sao Paulo, Brasil

15 12:58 PM (8m.) **An Anthropometric Analysis of the Key Foramina of Maxillofacial Surgery.**

W.Schubert M.D., N.Quillopa M.D., A.Shons M.D. Cleveland USA

16 1:06 PM (3m.) **Categorization of Craniofacial Dysmorphology for Purposes of Predicting Surgical Outcome.**

C.Dufresne M.D., J.Richtsmeier M.D. Chevy Chase, USA

1:09 PM Questions

1:30 PM Lunch

CHAIRMAN: Dr. F. Ortiz-Monasterio **Basic Science**

17 3:00 PM (8m.) **Significant Blood Loss Reduction in Craniofacial Surgery.**

S.S.Smith M.D., I.R.Munro M.D., J.Fearon M.D. Dallas, USA

18 3:08 PM (3m.) **A Proposal for a Modification in the Training of Craniomaxillofacial Surgeons.**

D.Hemmy M.D. Milwaukee, USA

19 3:11 PM (3m.) **Vascularization of the Proximal Segment of the Mandibular Sagittal Osteotomy-Anatomical Investigation.**

C.Angrigiani M.D., D.Grilli M.D. Buenos Aires, Argentina

20 3:14 PM (8m.) **Bending Mechanics of Bone Grafts: An Experimental Study.**

G.Caputy M.D., O.Antonyshyn M.D. Halifax, Canada

21 3:22 PM (8m.) **The 3-D Osteosynthesis in Craniofacial Surgery.**
M.Farmand M.D. Erlangen, Germany

22 3:30 PM (8m.) **Is the Craniofacial Membranous Bone Tissue Really Passive in Regard to Growth Control?**

S.Hirabayashi M.D., K.Harii M.D., A.Sakurai M.D.,
Y.Ogata M.D. Tokyo, Japan

3:38 PM Questions

23 3:48 PM (8m.) **Osteoprogenitor Capability of Periosteum and Dura.**
P.C.Hobar M.D., J.S.Schreiber M.D., J.G.McCarthy
M.D. New York, USA

24 3:56 PM (3m.) **Demineralized Bone Implants in
Cranio-maxillofacial Surgery.**

D.Motoki M.D., L.Morales M.D. Salt Lake, USA

25 3:59 PM (8m.) **Perforated Demineralized Bone in Craniofacial Sur-
gery.**

K.Salyer M.D., El Gendler M.D. Dallas, USA

26 4:07 PM (8m.) **Longterm Results after Implantation of Different
Lyophilized Bones and of Cartilage for
Reconstruction in Craniofacial Surgery.**

H.Sailer M.D. Zurich, Switzerland

27 4:15 PM (8m.) **Membranous Versus Endochondral: Bone by Any
Other Name.**

W.Sullivan M.D., P.Szwajkun M.D. St. Antoin, USA

28 4:23 PM (8m.) **The Effects of Neonatal Facial Nerve Ablation on
Craniofacial Growth in Rabbits.**

W.Y.Hoffman M.D., J.G.McCarthy M.D. San Francis-
co, USA

4:31 PM Questions

4:41 PM Coffee Break

CHAIRMAN: Dr. Y.Raulo Basic Science

29 5:00 PM (8m.) **Bone Lengthening of the Human Mandible by Gradual Distraction.**

J.G.McCarthy M.D., J.S.Schreiber M.D., N.Karp M.D.,
C.H.Thorne M.D., B.G.Grayson M.D. New York, USA

30 5:08 PM (8m.) **Orbital Expansion for Microphthalmos: Computer Assisted Design and Clinical Application of a Custom Intraorbital Bone Expander.**

O.Antonyshyn M.D., U.Bite M.D. Halifax, Canada

31 5:16 PM (8m.) **Lateral Cranial Base Expansion - Craniofacial Effects.**

J.Persing M.D., E.P.Morgan M.D., A.J.Cronin M.D.,
W.P. Wolcott M.D. Charlottesville, USA

32 5:24 PM (8m.) **The Effects of Implantable Calvarial Bone Distraction on Craniotomy Site Patency and Compensatory Cranio-facial Growth Changes in Rabbits with Experimental Coronal Suture Immobilization.**

A.Tschakaloff M.D., H.W.Losken M.D., M.P.Mooney
M.D., M.I.Siegel M.D., A.Losken M.D., J.Swan M.D.
Pittsburg, USA

33 5:32 PM (3m.) **The Long-Stemmed Superficial Temporal Fascia Island Flap.**

D.Furnas M.D. Irvine, USA

5:35 PM Questions

5:45 PM Adjourn

FRIDAY

CHAIRMAN: Dr. D. Marchac **Congenital**

34 8:30 AM (8m.) **Rare Cranio-Facial Clefts: Principles of Management.**

D.David M.D. No. Adelaide, S.Australia

35 8:38 AM (8m.) **Massive Teratomas of the Cranial Base - Treatment & Outcome: A Two Center Report.**

J.Fearon M.D., I.R.Munro M.D., L.A.Whitaker M.D.,
D.A.Bruce M.D. Dallas, USA

36 8:46 AM (3m.) **Surgical Correction of Large Occipital Encephaloceles.**

M.Habal M.D. Tampa, USA

37 8:49 AM (8m.) **Frontoethmoidal Meningoencephaloceles Classification and Associated Features.**

A.Hanieh M.D., D.David M.D. No.Adelaide, Australia

38 8:57 AM (3m.) **Fronto-Naso-Orbital Encephaloceles: Transcranial or Transfacial Surgical Treatment?**

D.Montandon M.D., M.Forcada M.D., B.Rilliet M.D. Geneva, Switzerland

39 9:00 AM (3m.) **Extensive Midline Cleft Syndrome with Sphenothmoid Meningo-Encephalocele and Its Surgical Correction.**

M.R.Wexler M.D., F.Umansky M.D., P.Ben Meir M.D., A.Weinberg M.D., R.Neuman M.D. Jerusalem, Israel

9:03 AM

Questions

40 9:13 AM (3m.) **Technique for Hypertelorism Correction in Young Children.**

B.Jones M.D., R.Hayward M.D. London, England

41 9:16 AM (3m.) **How to Choose between Bipartition and Orbital Shift when Correcting a Teleorbitism.**

D.Marchac M.D. Paris, France

42 9:19 AM (8m.) **Hypotelorism Craniofacial Operations.**

W.Muhlbauer M.D., J.D.Fairley M.D. München, Germany

43 9:27 AM (10m.) **The Subcranial Approach for the Correction of Craniofacial Deformities and Teleorbitism.**

J.Raveh M.D., V.Thierry M.D. Bern, Switzerland

44 9:37 AM (8m.) **Subcranial Hemifacial Mobilization.**

F.Ortiz-Monasterio M.D., F.Molina M.D. Mexico D.F., Mexico

45 9:45 AM (8m.) **Treacher Collins Syndrome - Personal Contributions.**

S.Zanini M.D., M.B.Seagle M.D. Bauru, Brasil

46 9:53 AM (8m.) **Naso-Maxillary Osteotomies in Treacher Collins Treatment.**

A.Fuente del Campo M.D. Mexico D.F., Mexico

47 10:01 AM (3m.) **Nager Acrofacial Dysostosis: Speech Characteristics and the Benefits of Nasopharyngoscopy and Multi-view Videofluoroscopy in Their Assessment and Treatment.**

J.Tobe M.D., I.R.Munro M.D., K.Salyer M.D. Dallas, USA

48 10:04 AM (3m.) **Johanson-Blizzard Syndrome Facial Anomaly and its Correction Using a Microsurgical Bone Graft and Tripartite Osteotomy.**

S.Kobayashi M.D., Kitaro Ohmori M.D. Tokyo, Japan

10:07 AM

Questions

10:20 AM

Coffee

CHAIRMAN: Dr. D.David **Congenital. Basic Science**

49 10:42 AM (3m.) **Cytological Features in Craniosynostosis.**

A.C.Stratoudakis M.D., J.Stutzmann M.D., A.Petrovic M.D. Atenas, Greece

50 10:45 AM (8m.) **The Microscopic Hypothesis of Single Suture Craniosynostosis.**

M.J.Burke M.D., K.R.Winston M.D., L.L.Ketch M.D. Denver, USA

51 10:53 AM (8m.) **The Use of ^{99m}Tc MDP Craniography in the Diagnosis and Treatment of the Craniosynostosis.**

J.Huertas M.D., S.Schendel M.D., R.Pearl M.D. Sta.Clara, USA

52 11:01 AM (3m.) **The Ultrastructure of Cranial Suture: A Scanning Electron Microscopic Analysis.**

J.Korman M.D., S.Schendel M.D. Stanford, USA

- 53** 11:04 AM (8m.) **The Calvaria and Cranial Base in Aperts & Crouzon Syndromes - A 3-D Analysis.**
S.Kreiborg M.D., J.Marsh M.D., M.M.Cohen M.D.,
M.Liversage M.D., M.Vannier M.D. Kobenhavn, Denmark
- 54** 11:12 AM (8m.) **The Role of the Cranial Base in Facial Growth: Experimental Craniofacial Synostosis Syndrome in the Rabbit.**
G.LaTrenta M.D. New York, USA
- 55** 11:20 AM (3m.) **Cytochemical Features of the Cranial Base in Pfeiffer's Syndrome.**
R.Mixter M.D., E.Gilbert M.D., M.Cohen M.D.
Janesville, USA
- 56** 11:23 AM (3m.) **Histomorphometric Study of Sutures from Infants with Craniodyostosis.**
J.Mulliken, M.D., J.Glowacki M.D., B.Perona, M.D.
Boston USA
- 57** 11:26 AM (8m.) **Pre and Postoperative Evaluation of Exophtalmos in Complex Craniosynostosis by Using CT Scans.**
K.Imai M.D., S.Tajima M.D. Takatsuki, Japan
- 58** 11:34 AM (8m.) **Indirect Intracranial Volume Measurements Using CT Scans: Clinical Application for Craniosynostosis.**
J.Posnick M.D., U.Bite M.D., P.Nakano M.D., J.Davis
M.D. D.Armstrong M.D. Toronto, Canada
- 59** 11:42 AM (3m.) **Intra-Operative ICP Monitoring in Craniosynostosis.**
L.Solomon M.D., E.Ruas M.D., L.Love M.D.
St.Petersburg, USA
- 60** 11:45 AM (8m.) **Hydrocephalus and the Chiari I Malformation in Patients with Crouzon's Syndrome.**
S.Beals M.D., P.Francis M.D., H.Rekate M.D., J.Reiff
M.D., H.Pittman M.D., K.Manwaring M.D. Phoenix,
USA

61 11:53 PM (3m.) **Routine Assessment of Intracranial Pressure in Patients with Craniosynostosis.**

W.F.J.Harkness M.D., U.Andar M.D., R.D.Hayward M.D., B.Jones M.D. London, England

11:56 PM Questions

12:10 PM Coffe Break

62 12:35 PM (8m.) **Aggressive Surgical Management for Obstructive Sleep Apnoea Syndrome in the Syndromal Craniosynostosis.**

T.J.C.Edwards M.D., D.J.David M.D., J.Martin M.D. No. Adelaide, Australia

63 12:43 PM (8m.) **Assessment of the Airway in Craniosynostosis.**

R.D.Hayward M.D. London, England

64 12:51 PM (3m.) **Neonatal Growth Discontinuities in Apert's Syndrome: Implications for Clinical Management.**

N.Minuch-Purvis M.D., L.A.Whitaker M.D., S.B.Bartlett M.D., R.Mayro M.D., D.McDonald M.D., E.Zackai M.D., E.J.Bowers M.D. Philadelphia, USA

65 12:54 PM (3m.) **Pfeiffer's Syndrome - A Clinical Spectrum.**

J.A.Trott M.D. No.Adelaide, Australia

66 12:57 PM (3m.) **Prevention of Cranial Suture Re-Fusion after Surgical Release.**

M.D. Poole M.D., M.F.Fatah M.D., I.Ermis M.D. Oxford, England


1:00 PM Questions

1:30 PM Lunch

CHAIRMAN: Dr. L. Whitaker **Congenital**

67 3:00 PM (8m.) **Total Cranial Vault Reshaping in Primary and Secondary Craniosynostosis: Techniques and Early Results.**

S.Bartlett M.D., L.Whitaker M.D., J.DeLozier M.D., L.Schut M.D., L.Sutton M.D. Philadelphia, USA



68 3:08 PM (8m.) **Surgical Correction of Craniosynostosis Utilizing Floating Sagittal Bar Technique.**

H.Kamiishi M.D., M.Hamaguchi M.D., H.Honda M.D.
Osaka, Japan

69 3:16 PM (8m.) **Advancement-Onlay: An Improved Technique of Fronto Orbital Remodeling in Craniosynostosis.**

H.Kawamoto M.D., S.Cohen M.D., F.Burstein M.D.,
W.Peacock M.D. Sta. Monica, USA

70 3:24 PM (8m.) **Treatment of Scaphocephaly by Dynamic Skull Shortening.**

C.Lauritzen M.D., H.Friede M.D., H.Stephensen M.D.,
J.Lilja M.D. Götensburg, Sweden

71 3:32 PM (8m.) **The Effects of Frontal Bone Advancement with or without Biodegradable Microplates on Advancement Stability and Compensatory Craniofacial Growth Changes in Rabbits with Experimental Coronal Sutures Immobilization.**

H.W.Losken M.D., A.Tschakaloff M.D., M.P.Mooney
M.D., R.Von Oepen M.D., M.I.Siegel M.D., J.Swan
M.D., A.Losken M.D. Pittsburg, USA

3:40 PM Questions

72 3:50 PM (8m.) **Long Term Followup of Infants Operated on for Plagiocephaly.**

R.Albin M.D., L.McCleary M.D., R.Hendee M.D. Den-
ver, USA

73 3:58 PM (8m.) **Development of the Frontal Sinuses After Frontal Remodeling in Infancy.**

E.Arnaud M.D., D.Renier M.D., D.Marchac M.D. Paris,
France

74 4:06 PM (8m.) **Long Term Results of Isolated Craniofacial Dysostosis Correction in Infancy.**

J.DeLozier M.D., L.Whitaker M.D., S.Bartlett M.D.,
L.Schut M.D. Philadelphia, USA

- 75** 4:14 PM (3m.) **Fate of Calvarial Defects in 62 Patients Following Extended Craniectomies for Craniosynostosis.**
J.Iacobucci M.D., K.Hemmer M.D., J.Marsh M.D. St. Louis, USA
- 76** 4:17 PM (8m.) **Simple Craniosynostosis - Rigid vs. Wire Fixation: Growth Implications.**
L.Morales M.D., D.Motoki M.D., M.Walker M.D. Salt Lake, USA
- 77** 4:25 PM (8m.) **Late Morphological Evaluation of Fronto-Cranial Remodeling for Craniosynostosis in Infancy.**
D.Renier M.D., D.Marchac M.D. Paris, France
- 78** 4:33 PM (8m.) **An Analysis of the Extradural Space Remaining After Frontal Bone Advancement/Cranial Vault Remodeling.**
H.Spinelli M.D., D.Irrizarry M.D., J.G.McCarthy M.D., M.Nozi M.D. New York, USA
- 79** 4:41 PM (8m.) **The Monobloc Frontofacial Advancement: Do the Pluses Outweigh the Minuses?**
S.A.Wolfe M.D. Miami, USA
- 80** 4:49 PM (3m.) **Cherubism: Report on Two Cases.**
Y.Raulo M.D. Dulud, France
- 4:52 PM Questions
- 5:00 PM Coffee Break
- CHAIRMAN: Dr. J.Marsh **Orthognathic**
- 81** 5:20 PM (8m.) **Growth of Costochondral Junction and Costochondral Graft.** Y.R.Chen M.D. Taipei, Taiwan
- 82** 5:28 PM (3m.) **Autogenous Reconstruction of the Temporomandibular Joint.**
W.Crawley M.D., J.Serletti M.D., P.Manson M.D. Baltimore USA
- 83** 5:31 PM (8m.) **TMJ Ankylosis Release and Immediate Reconstruction with Costochondral Rib Graft and Rigid Fixation in the Paediatric Population.**
J.Goldstein M.D., J.Posnick M.D. Toronto, Canada

84 5:39 PM (8m.) **Cervical Spine Subluxation Associated with Torticollis and Skull Asymmetry.**
R.K.Slate M.D., J.C.Posnick M.D., D.Armstrong M.D.
Toronto, Canada

85 5:47 PM (3m.) **Microsurgical Triple Reconstruction for Hemifacial Microsomia.**
D.Grilli M.D., C.Angrigiani M.D. Buenos Aires, Argentina

86 5:50 PM (8m.) **Hemifacial Microsomia - Soft Tissue Deficiency or Displacement.**
G.Millicovsky M.D., J.Cabrera M.D., I.R.Munro M.D.
Dallas, USA

87 5:58 PM (8m.) **Comparison of Complication Rate between Rigid and Wire Fixation in Orthognathic Surgery.**
B.Guyuron M.D., R.Raszewski M.D. Cleveland, USA

6:06 PM

Questions

6:16 PM

Adjourn

SATURDAY

CHAIRMAN: Dr. Y.R. Chen **Post-Traumatic**

88 8:30 AM (8m.) **Early Definitive Treatment of Facial Fractures with Soft Tissue Loss.**
L.Leipziger M.D., P.Manson M.D., C.Vander Kolk M.D., W.Crawley M.D., T.Rumley M.D. Baltimore, USA

89 8:38 AM (3m.) **The Frozen Globe Following Repair of Pediatric Orbital Fractures.**
G.Lovaas M.D., S.A.Wolfe M.D. Miami, USA

90 8:41 AM (3m.) **Treatment of Late Complications Following Fractures of the Frontal Sinus.**
J.Serletti M.D., W.Crawley M.D., P.Manson M.D. New York, USA

91 8:44 AM (10m.) **The Correction of Traumatically Induced Craniofacial Skeletal Disruption with Concomitant Hypertelorism and Skull Base Involvement.**

V.Thierry M.D., J.Raveh M.D. Bern, Switzerland

92 8:54 AM (3m.) **Reconstruction of the Internal Orbit with Rigid Fixation Techniques.**

M.Yaremchuk M.D., J.Shore M.D. Boston, USA

93 8:57 AM (3m.) **Facial Reconstruction After Treatment of Mucormycosis: The Combined Use of Bone Grafts and Free Tissue Transfers.**

I.Wornom M.D., S.Gonzales M.D., A.Pozes M.D. Richmond, USA

94 9:00 AM (8m.) **Orbital Reconstruction: Creating a More Accurate Shape.**

P.Sullivan M.D., D.Altobelli M.D. Providence, USA

9:08 AM

Questions

CHAIRMAN: Dr. P.Manson **Tumors**

95 9:20 AM (8m.) **Primary Reconstructive Microsurgery in Paediatric Craniomaxillofacial Tumor Management.**

H.Cleland M.D., R.Zuker M.D., J.Posnick M.D. Toronto, Canada

96 9:28 AM (8m.) **Dismantling and Reassembling of the Face: Another Approach to the Skull Base.**

C.Curioni M.D., L.Clauser M.D. Vicenza, Italy

97 9:36 AM (8m.) **Craniofacial Techniques Adapted to Cranial Base Surgery**

C.Hall M.D., A.Kantrowitz M.D., J.Fehgali M.D. Bronx, USA

98 9:44 AM (8m.) **The Surgical Approach to the Rhinopharyngeal Angio-fibroma.**

G.Iannetti M.D., P.Cascone M.D., F.DePonte M.D. Rome, Italy

99 9:52 AM (8m.) **Advantages of the Subcranial Approach for Frontal Skull Base Tumor Resection.**

K.Laedrach M.D., J.Raveh M.D. Bern, Switzerland

100 10:00 AM (8m.) **Osteotomy and Its Use in the Management of Orbital Malignancy.**

B.Toth M.D., W.Stewart M.D. San Francisco, USA

101 10:08 AM (8m.) **The Free Fibula Flap in the Immediate Reconstruction of Paediatric Mandibular Tumours.**

M.Wells M.D., R.M.Zuker M.D., J.C.Posnick M.D. Toronto, Canada

10:16 AM Questions

10:26 AM Coffee Break

CHAIRMAN: Dr. H. Kawamoto **Aesthetic**

102 10:46 AM (8m.) **Malar Augmentation by Zygomatic Osteotomy Using a Subciliary Approach.**

M.H.Bailey M.D. Newport Beach, USA

103 10:54 AM (8m.) **Temporal Contour Deformity following Extended Coronal Flap Elevation: An Anatomic Study.**

M.Lacey M.D., O. Antonyshyn M.D., J.H.McGregor M.D. Halifax, Canada

104 11:02 AM (8m.) **Long Term Results of Experimental Lateral Displacement of the Zygomatic Arch.**

D.Ousterhout M.D., K.Vargervik M.D. San Francisco, USA

105 11:10 AM (8m.) **Temporal Fossa Augmentation and Reduction.**

L.Whitaker M.D. Philadelphia, USA

11:18 AM Questions

11:28 AM Adjourn

11:45 AM Business Meeting of Active Members

The Society wishes to thank "Lorenz-Martin International Partners in Maxillofacial Surgery" for funding the endowment of the Tessier Lectureship.