



N.E.S.P.R.S. PROGRAM FOR 2016 MEETING

Saturday, June 11, 2016

7:00AM -	7:05AM	OPENING CEREMONIES – President – Welcome – Alan Babigian, MD
7:05AM -	7:10AM	Vice President / Program Chair – Welcome Melissa C. Johnson, MD
7:10AM -	7:12AM	Introduction of ASPS Representative
7:12AM -	7:27AM	ASPS / PSF Update – <u>Arun K. Gosain, MD</u> ASPS Executive Board Vice President

SCIENTIFIC SESSION A

Moderator:

Short Papers [4-Minute Papers / 3-Minute Discussion]

7:27AM -	7:34AM	(1)	The Impact of Resident Participation in Breast Reconstruction Surgery: An ACS-NSQIP Clinical Outcomes Analysis <u>Bryan J. Pyfer, BS</u> Abhishek Chatterjee, MD, MBA Lilian Chen, MD Tamara B. Dawli, MD Dale C. Vidal, MD Tufts Medical Center, Tufts University Dartmouth-Hitchcock Medical Center Dartmouth College
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▲ Patient Safety – **100%** of this Presentation pertains to Patient Safety

Saturday, June 11, 2016

SCIENTIFIC SESSION A

(Continued)

Short Papers [4-Minute Papers / 3-Minute Discussion] – Continued

7:34AM - 7:41AM (2) Case Report: A Unique Case of Allogeneic Fat Grafting
Between Brothers Radiation-Induced Ulcers
Samuel Kim, MD
Richard L. Edelson, MD
Brandon J. Sumpio, BA
Deepak Narayan, MD
Stephanie Kwei, MD
Yale-New Haven Hospital
Yale University

7:41AM - 7:48AM (3) Identification of Sentinel Lymph Nodes in Melanoma Patients
Using Indocyanine Green: A Novel Technique, Case Series,
and Cost Effectiveness
Andrew McGregor, MD
Sabrina Pavri, MD
Deepak Narayan, MD
Yale New Haven Health
Yale University

▲ Patient Safety – **70%** of this Presentation pertains to Patient Safety

7:48AM - 7:50AM Introduction to the Panel

7:50AM - 8:50AM PANEL – Clinical Problem Solving – Round 2

Moderator – Alan Babigian, MD
William G. Austen, Jr., MD
Janice F. Lalikos, MD
Kevin Maguire, MD

▲ Patient Safety – **100%** of this Presentation pertains to Patient Safety

8:50AM - 9:02AM † (4) Validation of Smartphone Camera for Practical Video Recording
and Assessment of Microsurgical Trainees
Robert P. Slamin, BS
Dylan J. Perry, BA
Leah Siegel-Reamer, BA
Mark G. Albert, MD
Mustafa Akyurek, MD, PhD
U Mass Memorial Medical Center
University of Massachusetts Medical School

▲ Patient Safety – **25%** of this Presentation pertains to Patient Safety

 Pap Technology Award consideration to be given for this Presentation

Saturday, June 11, 2016

SCIENTIFIC SESSION B

Moderator:

‡ Joseph E. Murray, M.D., Award Competition – PART I
Long Papers [7-Minute Papers / 5-Minute Discussion]

9:02AM - 9:14AM ‡ (5) Continuous Telemonitoring of Flap Physiology in Free Tissue Transfer Using Artificial Intelligence: Prototype and Proof of Concept
A. Samandar Dowlatshahi, MD
Dennis Giaya
Rebecca Stolarczyk
Yitzhak Mendelson, PhD
Raymond M. Dunn, MD
University of Massachusetts Medical Center
University of Massachusetts Medical School
Worcester Polytechnic Institute

▲ Patient Safety – 40% of this Presentation pertains to Patient Safety

SPH Pap Technology Award consideration to be given for this Presentation

9:14AM - 9:26AM ‡ (6) Comparing the Outcomes of Different Agents to Treat Vasospasm at Microsurgical Anastomosis during the Papaverine Shortage
Joseph A. Ricci, MD
Pieter G. Koolen, MD
Samuel J. Lin, MD, MBA
Bernard T. Lee, MD, MPH, MBA
Beth Israel Deaconess Medical Center
Harvard Medical School

▲ Patient Safety – 50% of this Presentation pertains to Patient Safety

SPH Pap Technology Award consideration to be given for this Presentation

9:26AM - 9:38AM ‡ (7) Photochemical Tissue Passivation Attenuates Intimal Hyperplasia in an Arteriovenous Fistula Model
Robert N. Goldstone, MD
Michael C. McCormack, MBA
Rachel Goldstein, DO
Mark A. Randolph, MAS
Robert W. Redmond, PhD
William G. Austen, Jr., MD
Massachusetts General Hospital
Harvard University

SPH Pap Technology Award consideration to be given for this Presentation

Saturday, June 11, 2016

SCIENTIFIC SESSION B

(Continued)

‡ Joseph E. Murray, M.D., Award Competition – PART I

Long Papers [7-Minute Papers / 5-Minute Discussion]

9:38AM - 9:50AM ‡ (8) Analysis of Acute Skin Rejection in a Non-Human Primate Model of Face and Hand Allotransplantation

Zhi Yang Ng, MD

Alexandre G. Lellouch, MD

Matthew W. Defazio, BS

Zachary W. Heroux, BS

Josef M. Kurtz, PhD

Curtis L. Cetrulo, Jr., MD

Massachusetts General Hospital

Harvard Medical School

▲ Patient Safety – **80%** of this Presentation pertains to Patient Safety

9:50AM - 10:02AM ‡ (9) Personalized Medicine in Cleft Lip and Palate Malformations: Functional Genomics Analysis of IRF6 Gene Variants

Edward B. Li, BA

Brittany Garrity, BS

Christina Nguyen, BS

Kusumika Mukherjee, PhD

Eric C. Liao, MD, PhD

Massachusetts General Hospital

Harvard Medical School

10:02AM - 10:35AM COFFEE BREAK – VISIT THE EXHIBITS

SCIENTIFIC SESSION C

Moderator:

‡ Joseph E. Murray, M.D., Award Competition – PART II

Long Papers [7-Minute Papers / 5-Minute Discussion]

10:35AM - 10:47AM ‡ (10) Honduran Provider Perspectives on Surgical Missions: A Mixed Methods Study

Carolyn Chuang, BS

Kyle Ragins, MD

Deepak Narayan, MD

J. Grant Thomson, MD

Yale-New Haven Hospital

Yale University School of Medicine

▲ Patient Safety – **10%** of this Presentation pertains to Patient Safety

Saturday, June 11, 2016

SCIENTIFIC SESSION C

(Continued)

‡ Joseph E. Murray, M.D., Award Competition – PART II
Long Papers [7-Minute Papers / 5-Minute Discussion]

- 10:47AM - 10:59AM ‡ (11) Fat Grafts Survive Through Initial Revascularization Followed by Adipogenesis From the Vascular Progenitor Niche
Jorge Lujan-Hernandez, MD
SoYun Min
Raziel Rojas-Rodriguez,
Ava G. Chappell, MD
Dylan J. Perry, BA
Patrick Teebagy, BA
Leah Siegel-Reamer, BA
Michael S. Chin, MD
Silvia Corvera, MD
Janice F. Lalikos, MD
UMass Memorial Medical Center
University of Massachusetts Medical School
- 10:59AM - 11:11AM ‡ (12) Morcellized Tissue and Hyperbaric Oxygenation in Autologous Fat Grafting
Brandon J. Sumpio, BA
Andrew McGregor, MD
Alain Kaldany
Samuel Kim, MD
Andre W. Alcon, MD
Deepak Narayan, MD, MBBS, FRCS
Yale New Haven Hospital
Yale University School of Medicine
▲ Patient Safety – 50% of this Presentation pertains to Patient Safety
- 11:11AM - 11:23AM ‡ (13) Abdominoplasty in the Post-Partum Patient: Solving the Problem of Central Abdominal Soft Tissue Atrophy from Umbilical Hernia
Karen K. Leong, MD
Richard J. Zienowicz, MD, FACS
Rhode Island Hospital
Brown University
▲ Patient Safety – 30% of this Presentation pertains to Patient Safety
- 11:23AM - 11:35AM ‡ (14) Avoiding Deformity When Faced with A Common Trap in Rhinoplasty
Mark G. Albert, M.D
Mark B. Constantian, M.D
UMass Memorial Medical Center / St. Joseph Hospital (Nashua, NH)
University of Massachusetts
▲ Patient Safety – 90% of this Presentation pertains to Patient Safety

‡ End of the Joseph E. Murray, M.D., Award Competition

Saturday, June 11, 2016

SCIENTIFIC SESSION C

(Continued)

Long Papers [7-Minute Papers / 5-Minute Discussion]

11:35AM - 11:47AM (15) The Effect of Nasal Tip Rotation on Upper Lip Length
Ajul Shah, MD
Ean Saberski, MD
Kevin Perkins, BS
Anup Patel, MD, MBA
Derek M. Steinbacher, DMD, MD
Yale New Haven Hospital
Yale University School of Medicine

 Pap Technology Award consideration to be given for this Presentation

Sunday, June 12, 2016

7:00AM - 7:05AM The 'Passing of the Gavel'
Immediate Past President Alan Babigian, MD
President Melissa C. Johnson, MD

7:05AM - 7:10AM Vice President / Program Chair – Sunday Morning Announcements
Melissa C. Johnson, MD

7:10AM - 7:12AM Introduction of ASAPS Representative

7:12AM - 7:27AM ASAPS Update –
Charles K. Thorne, MD
ASAPS Treasurer & Education Commissioner

SCIENTIFIC SESSION D

Moderator:

Long Papers [7-Minute Paper / 5-Minute Discussion]

7:27AM - 7:39AM (16) Using Small Molecule Screens to Identify Novel IRF6 Gene
Regulatory Pathways and Mitigate Orofacial Cleft Pathogenesis
Brittany Garrity, BS
Edward B. Li, BA
Christina Nguyen, BS
Kusumika Mukherjee, PhD
Eric C. Liao, MD, PhD
Massachusetts General Hospital
Harvard Medical School

Sunday, June 12, 2016

SCIENTIFIC SESSION D

(Continued)

Long Papers [7-Minute Paper / 5-Minute Discussion]

7:39AM - 7:51AM (17) Gene Dosage of Actin-Capping Protein CAPZB Regulates Craniofacial Morphogenesis
Kusumika Mukherjee, PhD
Kana Ishii, MD
Qiongchao J. Xi, PhD
Michael Talkowski, PhD
James Gusella, PhD
Richard Maas, MD, PhD
Cynthia C. Morton, PhD
Eric C. Liao, MD, PhD
Massachusetts General Hospital
Harvard University

7:51AM - 8:03AM (18) Analysis of Follicle-Stimulating Hormone Receptor Expression in Infantile Hemangioma
Reid A. Maclellan, MD, MMSc
Fu Xi, MD
Javier A. Couto, BS
Lan Huang, PhD
Matthew P. Vivero, BA
Joyce Bischoff, PhD
Arin K. Greene, MD, MMSc
Boston Children's Hospital
Harvard Medical School

 Pap Technology Award consideration to be given for this Presentation

8:03AM - 8:15AM (19) Suction-Assisted Lipectomy May Improve Physiologic Function in Patients with Lymphedema
Reid A. Maclellan, MD, MMSc
Arin K. Greene, MD, MMSc
Boston Children's Hospital
Harvard Medical School

▲ Patient Safety – 75% of this Presentation pertains to Patient Safety

 Pap Technology Award consideration to be given for this Presentation

Sunday, June 12, 2016

SCIENTIFIC SESSION D

(Continued)

Long Papers [7-Minute Paper / 5-Minute Discussion]

- 8:15AM - 8:27AM (20) Honduran Patient Perspectives in a Hand Surgery Mission:
A Mixed Methods Study
Carolyn Chuang, BS
Jacob Azurdia, MD
David Asuzu, PhD
Kyle Ragins, MD
Deepak Narayan, MD
J. Grant Thomson, MD
Yale-New Haven Hospital
Yale University School of Medicine
▲ Patient Safety – **10%** of this Presentation pertains to Patient Safety

- 8:27AM - 8:39AM (21) Experience with the MACS Facelift
Lawrence N. Gray, MD
Portsmouth Regional Hospital
▲ Patient Safety – **20%** of this Presentation pertains to Patient Safety

SCIENTIFIC SESSION E – PART I

Moderator:

+ Founders' Award Competition

Long Papers [7-Minute Papers / 5-Minute Discussion]

- 8:39AM - 8:51AM + (22) Benefits of Closed Pulse Irrigation* (CPI*) to Improve
Wound Care in Rural Africa
Patrick V. Marasco, Jr., MD, FACS
Madeleine Allard, RN
Lawrence General Hospital
▲ Patient Safety – **75%** of this Presentation pertains to Patient Safety

 Pap Technology Award consideration to be given for this Presentation

- 8:51AM - 9:03AM + (23) Avoiding Breast Animation Deformity with Pectoralis-Sparing
Subcutaneous Direct to Implant Breast Reconstruction
Eric C. Liao, MD, PhD
Edward M. Kobraei, MD
Ryan Cauley, MD
Michele Gadd, MD
William G. Austen, Jr., MD
Massachusetts General Hospital
Harvard Medical School
▲ Patient Safety – **80%** of this Presentation pertains to Patient Safety

 Pap Technology Award consideration to be given for this Presentation

Sunday, June 12, 2016

SCIENTIFIC SESSION E – PART I
(Continued)

+ Founders' Award Competition

Long Papers [7-Minute Papers / 5-Minute Discussion]

9:03AM - 9:15AM + (24) Invention in Plastic Surgery: Lessons from the NESPRS
William G. Austen, Jr., MD
Massachusetts General Hospital
Harvard Medical School

▲ Patient Safety – **10%** of this Presentation pertains to Patient Safety

 Pap Technology Award consideration to be given for this Presentation

+ End of the Founders' Award Competition

9:15AM - 9:45AM COFFEE BREAK – VISIT THE EXHIBITS

SCIENTIFIC SESSION F – PART I

Moderator:

Long Papers [7-Minute Papers / 5-Minute Discussion]

10:50AM - 11:02AM (25) A Novel Text Messaging Alert System Used with Continuous
Tissue Oximetry Monitoring to Improve Free Flap Outcomes
Joseph A. Ricci, MD
Amir H. Taghinia, MD, MBA
Bernard T. Lee, MD, MPH, MBA
Beth Israel Deaconess Medical Center
Harvard Medical School

▲ Patient Safety – **50%** of this Presentation pertains to Patient Safety

 Pap Technology Award consideration to be given for this Presentation

11:02AM - 11:14AM (26) The Use of Novel Antispasmodic Agents to Treat Vasospasm
After Microsurgical Anastomosis
Joseph A. Ricci, MD
Pieter G. Koolen, MD
Samuel J. Lin, MD, MBA
Bernard T. Lee, MD, MPH, MBA
Beth Israel Deaconess Medical Center
Harvard Medical School

▲ Patient Safety – **50%** of this Presentation pertains to Patient Safety

Sunday, June 12, 2016

SCIENTIFIC SESSION F – PART I
(Continued)

Long Papers [7-Minute Papers / 5-Minute Discussion]

- 11:14AM - 11:26AM (27) Comparison of Prepectoral Versus Subpectoral Expander Placement in Latissimus Dorsi Immediate Breast Reconstruction
A. Samandar Dowlatshahi, MD
Martha Luitje, BA
Mark G. Albert, MD
Robert Quinlan, MD
Mustafa Akyurek MD, PhD
University of Massachusetts Medical Center
University of Massachusetts Medical School
▲ Patient Safety – **10%** of this Presentation pertains to Patient Safety

SCIENTIFIC SESSION F – PART II

Moderator:

Short Papers [4-Minute Papers / 3-Minute Discussion]

- 11:26AM - 11:33AM (28) Upper Extremity Allotransplantation: Three-Year Functional and Immunological Outcomes
Zhi Yang Ng, MD
Kyle R. Eberlin, MD
Jonathan M. Winograd, MD
William G. Austen, Jr., MD
Josef M. Kurtz, PhD
Curtis L. Cetrulo, Jr., MD
Massachusetts General Hospital
Harvard Medical School
▲ Patient Safety – **20%** of this Presentation pertains to Patient Safety
- 11:33AM - 11:40AM (29) Precision Analysis of the Temporomandibular Joint in Mandibular Reconstruction using Virtual Surgical Planning
Rajendra Sawh-Martinez, MD
Christopher DeSesa, DMD
Yassmin Parsaei, BA
Robin Wu, BA
Philipp Metzler, MD, DMD
Derek M. Steinbacher, MD, DMD
Yale New-Haven Hospital
Yale University School of Medicine
▲ Patient Safety – **80%** of this Presentation pertains to Patient Safety

Sunday, June 12, 2016

SCIENTIFIC SESSION F – PART II

(Continued)

Short Papers [4-Minute Papers / 3-Minute Discussion]

- 11:40AM - 11:47AM (30) Clockwise and Counterclockwise LeFort I Movements Influence Nasolabial Morphology Differently
Rajendra Sawh-Martinez, MD
Alex Lin, BA, MS
Christopher R. DeSesa DMD
Robin Wu, BA
Derek M. Steinbacher, DMD, MD
Yale New-Haven Hospital
Yale University School of Medicine
▲ Patient Safety – 50% of this Presentation pertains to Patient Safety
- 11:47AM - 11:54AM (31) Requirement of Cranial Neural Crest Migration in Palate and Mandibular Development Revealed by Functional Analysis of Talin1
Kana Ishii, MD
Kusumika Mukherjee, PhD
Irving Ling, MBBS, MRCS
Eric C. Liao, MD, PhD
Massachusetts General Hospital
Harvard University
- 11:54AM - 12:01PM (32) The Relationship Between Age and Facial Asymmetry
Olivia E. Linden, BA
Jun Kit He, BA
Stephen R. Sullivan, MD, MPH
Helena O.B. Taylor, MD, PhD
Rhode Island Hospital
The Warren Alpert Medical School of Brown University
- 12:01PM - 12:08PM (33) Microvascular Replantation of Completely Avulsed Facial Parts
Natalie D. Godfrey, MD
Aparajit Naram, MD
Dylan J. Perry, BA
Mustafa Akyurek, MD, PhD, FACS
UMass Memorial Medical Center
University of Massachusetts
▲ Patient Safety – 5% of this Presentation pertains to Patient Safety
- 12:10PM - 12:15PM Announcement of the Founders Award Winner
- 12:15PM - 12:20PM Closing Remarks
- 12:20PM Meeting Adjourned