



Reconstructive Microsurgery

THE AMERICAN SOCIETY FOR RECONSTRUCTIVE MICROSURGERY • VOLUME 24.2

**Autumn-Winter
2013**

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A MESSAGE FROM THE 2014 PROGRAM CHAIR

Remembering Our Past and Celebrating Our Future



**Liza Wu, MD,
FACS**
2014 Scientific
Program Chair

Aloha! The ASRM 2014 Annual Meeting in Kauai, Hawaii is just around the corner and I look forward to the camaraderie that is always present at this meeting. The focus of this year's meeting is the future of reconstructive microsurgery while we revisit the beautiful island of Kauai. We are building upon an already successful program with the addition of more breakout sessions, panels, and lectures from established experts as well as the emerging leaders of reconstructive microsurgery. We will be exploring a wide variety of topics on head and neck, breast, and extremity reconstruction from authorities around the world. Integrated panels with the ASPN and AAHS will focus on facial reanimation and limb transplantation versus prosthetics. In addition, there will be an exciting new program from the American Society for Lymphatic Surgery as well as updates from the American Society for Reconstructive Transplantation.

JANUARY 11-14
**ASRM 29TH ANNUAL
MEETING**
Grand Hyatt Resort
& Spa
Kauai, Hawaii



The educational component of the meeting promises to be comprehensive and thought provoking as we honor past accomplishments and embrace the future of plastic surgery. The social events will reflect the history and culture of Hawaii with ample time and activities to enjoy the beautiful setting of Kauai, the Garden Isle with your friends and family.

We look forward to seeing you in Hawaii's Island of Discovery. Mahalo! **RM**

PRESIDENT'S MESSAGE

Forging Ahead



Joseph Serletti, MD
President

The Fall is well in gear and the holidays will be upon us shortly, only to be followed by our annual meeting in Kauai. Liza Wu has done a phenomenal job as this year's Program Chair having put together an outstanding and very well balanced program. There will be something for everyone in this year's program.

This has been an active year for the ASRM. In July, we had our first strategic planning meeting with the Council and our facilitator, Tom Nelson. This was a wonderfully productive meeting and the outcomes and initiatives will be shared with all at this year's business meeting. Beginning July 1, PRS became the official organ of the ASRM. We encourage all of our members to send their best academic work to PRS for consideration for publication. We have

initiated some significant changes for our fellowship programs. This includes using the San Francisco Match program which is the same program that conducts the Independent Match in Plastic Surgery and the Craniofacial Surgery Fellowship Match. We also moved up the matching process so that candidates will match in the Spring, roughly 14 months before the start of the fellowship. This gives the needed time for programs to credential their new fellows including international fellows. We initiated a development campaign in our hopes to secure the future of our sponsored programs. We also hope to augment our abilities to sponsor multiple microsurgical research projects beyond our one combined project with ASPS.

Yearly, the ASRM supports and participates in awareness and

prevention campaigns. For the first time, the American Society for Reconstructive Microsurgery was a proud participant in BRA Day USA held on October 16. The ASRM helped spread the word of "Team Approach" and "Know your Options" while facing breast cancer not only through our members and website but also in the Chicago area on the "L" train system reaching over six million riders in a four week time period.

Our organization's mission is based on investing in the future of microsurgery through education and research. Every year the ASRM awards a limited number of scholarships to medical students and international surgeons. New this year, a Women in Microsurgery Group Travel Scholarship was available. We received 100 applications combined for our scholarship opportunities. Please help me congratulate the recipients of these scholarships and welcome them to the ASRM Annual Meeting.

I look forward to seeing you, sharing all of this and more with you in Hawaii. On behalf of the Serletti family and the staff of the ASRM, our heartiest wishes for Happy Holidays.

See you in Hawaii! **RM**



FROM THE EDITOR

A Respite from the Storms: ASRM 2014



**David Song, MD,
MBA, FACS**
ASRM Historian

Economic tumult appears not only to be certain, but also near. As I write this column, Congress is embroiled in a game of “chicken” whether to raise the debt ceiling or not with factions insistent on defunding the Affordable Care Act, known as Obamacare. How does this affect microsurgeons? It is unclear, but the looming dark clouds above portend a volatile few months regardless of how October 17th debt ceiling debate unfolds. Yet there is a bright opening in the sky as we look forward to January in Kauai at ASRM 2014.

Our society and plastic surgery overall has seen and survived tumultuous times and the spirit of problem solving that unites all of us helps to lead us in the right direction. This spirit of problem solving has been the underpinnings of several new developments within microsurgery. One such example is super-microsurgery for lymphedema correction, which has now matured from novelty to a reliable set of techniques providing answers for patients with lymphedema. These efforts have been developed, pioneered and now popularized by ASRM members. New symposia, webinars and panels featuring this advancement are unfolding and helping to disseminate these techniques to more microsurgeons as well as increasing this awareness for the public. ASRM 2014 will feature a

panel led by Dr. David W. Chang who is at the forefront of this field.

The collective skills of problem solving will also guide us through the uncertain times of Obamacare and the inevitable affects on reimbursement for reconstructive surgery. Crisis may be too strong of a word, but clearly the ACA will undoubtedly have a profound impact on the way we practice surgery and perhaps on the way we organize and deliver care in general. What will this look like for reconstructive microsurgeons both in academic and large health systems as well as those in private practice? How can we maximize our value to a health system and remain not only relevant, but also critical to the overall local, regional and national healthcare systems? These are the questions that will require astute collective problem solving from our members and a means to share the possible answers to these tough questions. Our annual meeting is just one such venue and will feature a panel focusing on this topic.

ASRM 2014 promises to be a fresh and hopeful program with Liza Wu as the scientific program chair; the committee has planned new panels, new faces and most importantly new content. Kauai happens to be the perfect setting and a symbol of respite from the macroeconomic storms that appear to be forming. I look forward to this respite and to seeing all of you in Kauai.

Mahalo! **RM**

RECONSTRUCTIVE MICROSURGERY

Autumn-Winter 2013

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The views expressed in articles, editorials, letters and or publications published by ASRM are those of the authors and do not necessarily reflect the society's point of view.

The mission of the American Society for Reconstructive Microsurgery is to establish a forum for teaching, research and free discussion of reconstructive microsurgical methods and principles among the members.

SOCIETY BRIEFS

New Women's Group Within ASRM



Julie E. Park, MD, FACS
Women's Microsurgery
Group Chair

I am pleased to announce the formation of the Women's Microsurgery Group (WMG). Our mission is to support women microsurgical and reconstructive surgeons in order to help them achieve their professional and personal aspirations. Our goals are to facilitate networking and mentoring and to foster

"Our goals are to facilitate networking and mentoring and to foster and promote professional development..."

and promote professional development, as well as to provide a safe forum to help women achieve work-life balance. Membership will be open to any female member or candidate member of ASRM.

We will be hosting the inaugural WMG reception at Kauai in the afternoon on Saturday, January 11th. The reception will be open to all women attending the meeting, including fellows, residents, and medical students. Partners and children will be welcomed as well.

This year, due to the generous sponsorship of ViOptix, we announced the first annual WMG Travel Fellowship to fund a female medical student or resident to attend the ASRM meeting in order to foster early interest in reconstructive microsurgery. Sixty-eight women applied for the fellowship. The awardee will be introduced at the WMG reception in Kauai. We hope to see you there. **RM**

ASRM SCHOLARSHIP RECIPIENTS

Medical Student Scholarship

Shane Morrison
Kristy Hamilton
James Thomas Paliga
Danielle Rochlin
Erik Wolfswinkel

International Travel Grant

Chen Wang, MD
Rachel Baptista, MD
Guilherme Barreiro, MD
Nidal Al Deek, MD

Women's Microsurgery Group Travel Scholarship

MarQuita Kilgore

ASRM COUNCIL AT WORK



ASRM officers and council members met in July to discuss ongoing plans and initiatives.

2014 ANNUAL MEETING PROGRAM AT A GLANCE

2014

AAHS ASPN ASRM
ANNUAL MEETINGS



January 8 – 14, 2014
Grand Hyatt Kauai Resort & Spa, Kauai, Hawaii



29th Annual Meeting of the American Society for Reconstructive Microsurgery

January 11–14, 2014

Grand Hyatt Resort & Spa
Kauai, Hawaii

Saturday, January 11, 2014

6:00–8:00am

Breakfast with Exhibitors

6:30–7:30 am

AAHS/ASPN/ASRM Instructional Courses

- 201 Nerve Transfers for Ulnar and Radial Nerve Injury
Chair: Amy M. Moore, MD
Instructors: Thomas H. Tung, MD; Ida K. Fox, MD; Christine B. Novak, PT, PhD
- 202 What Works, What Doesn't in Brachial Plexus Surgery and Rehabilitation
Chair: Vincent R. Hentz, MD
Instructors: Steve K. Lee, MD; Scott W. Wolfe, MD; Susan V. Duff, PT, OT, EdD, CHT; Robert Spinner, MD
- 203 Best Practices for Clinical Research in Your Practice
Chair: Joy MacDermid, BScPT, PhD
Instructors: Michael W. Neumeister, MD; Paul F. Velleman, PhD; Kristin A. Valdes, OTD, OTR, CHT; Dorcas E. Beaton, OTR, PhD
- 204 Neuropathic Pain/CRPS: A Pain to Deal With
Chair: A. Lee Dellon, MD
Instructors: Wyndell Merritt MD, Gedge Rosson MD
- 205 Novel Approaches to Surgical Nerve Repair: From Animals to Human
Chair: Tessa Gordon, PhD
Instructors: Oskar Aszmann, MD; Martijn Malessy, MD; Wale Sulaiman, MD

- 206 Outcomes Assessment in the Era of Quality Improvement and Cost Containment

Chair: Kevin C. Chung, MD

Instructors: Warren Hammert, MD; Catherine Curtin, MD; Jennifer Waljee, MD

- 207 Microsurgical Treatment of Upper Extremity Trauma: Tips and Tricks

Chair: James Higgins, MD

Instructors: Paul Cook, MD, Sang-il Lee, MD, Chih-Hung Lin, MD, Steven Moran, MD

- 208 Pediatric Microsurgery: Fresh Faces, New Cases

Chair: James Chang, MD

Instructors: Gregory Borschel, MD; Amir Taghinia, MD; Raymond Tse, MD

7:45–8:00 am

AAHS/ASPN/ASRM Presidents' Welcome

Donald H. Lalonde, MD, AAHS President

Allan J. Belzberg, MD, ASPN President

Joseph M. Serletti, MD, ASRM President

8:00–9:30 am

AAHS/ASPN/ASRM Combined Panel: Hand Transplant vs. Prosthetics

Moderators: Allan J. Belzberg, MD; A. Lee Osterman, MD

Panelists: Paul S. Cederna, MD; W.P. Andrew Lee, MD; Geoffrey Ling, MD; Oskar Aszmann, MD; Alexander Spiess, MD; L. Scott Levin, MD

9:30–10:00 am

Coffee Break with Exhibitors

10:00–11:00 am

AAHS/ASPN/ASRM Joint Outstanding Papers

11:00am–12:00pm

Joint Presidential Keynote Lecture

"When Hawaii Bites Back"

Peter A. Galpin, MD, FACS

continued on next page

2014 PROGRAM AT A GLANCE (continued)

12:00–5:00pm**Master Series in Microsurgery**

“Good to Great: How I Made the Leap”

Moderator: Christopher Brooks, MD

Panelists:

General Overview (including leadership development)

Joseph Serletti, MD

Head & Neck and Trauma Reconstruction

Eduardo Rodriguez, MD, DDS

Breast Reconstruction

Liza Wu, MD

Upper Extremity Reconstruction

James Higgins, MD

Lower Extremity Reconstruction

Lawrence Colen, MD

Nasal Reconstruction

Robert L. Walton, MD

5:00–6:00pm**ASRM Women’s Microsurgery Group Reception****6:00–7:00pm****ASRM Young Microsurgeon & New Member Reception****7:00–8:30pm****ASPEN/ASRM Welcome Reception**

Supported by ASSI

Sunday, January 12, 2014**6:15–8:00am****Breakfast with Exhibitors****6:45–7:00am****President and Program Chair Welcome**

Joseph Serletti, MD, ASRM President

Liza Wu, MD, Program Chair

7:00–8:00am**ASRM President’s Invited Panel**

The Future of Plastic Surgery: Predictions for Our Future in the Year 2025 and Beyond

Panelists:

Craniofacial Surgery

Joseph Losee, MD

Aesthetic Surgery

Gregory Evans, MD

11:00 AM, JANUARY 11

**Joint Presidential
Keynote Lecture****Peter A. Galpin, MD,
FACS**

Kahului, HI

**“WHEN HAWAII BITES BACK”**

A single surgeon’s experience with marine animal injuries. This talk will review a 20-year experience with injuries caused by marine animals in the waters around Maui. Includes the usual as well as unusual culprits.

Hand and Upper Extremity Surgery

James Higgins, MD

Breast Surgery

Liza Wu, MD

8:00–8:45am**Joint ASPEN/ASRM Panel: Enhancing Outcomes in
Facial Reanimation Utilizing a Multi-Modality
Approach; Present and Future**

Chair: Michael Klebuc, MD

Panelists: Tessa Hadlock, MD; Elliott Rose, MD;

Travis Tollefson, MD; Michael Zenn, MD

8:45–9:15am**ASPEN/ASRM Scientific Paper Presentations****9:15–9:45am****Break with Exhibitors****9:45–12:00pm****Scientific Paper Session: Breast****10:45am–12:00pm****ASRM Breakout Panels**

401 How to Avoid and Manage Complications

Chair: Eduardo Rodriguez, MD, DDS

Panelists:

Soft Tissue Facial Reanimation

Julian Pribaz, MD

Facial Reanimation

Ronald Zuker, MD

continued on next page

2014 PROGRAM AT A GLANCE (continued)

Microvascular Facial Reconstruction
Lawrence Gottlieb, MD

Nasal Reconstruction
Robert Walton, MD

Hard Tissue Facial Reconstruction
Eduardo Rodriguez, MD, DDS

402 Salvage Approach to the Failed Free Flap Breast Patient

Chair: Joan Lipa, MD

Panelists: Michael Zenn, MD; Edward Buchel, MD

403 Minimizing Complications in Perioperative Care

Chair: Loren Schechter, MD

Panelists: Bob Basu, MD; Robert Murphy, MD

404 Principles of Lower Extremity Reconstruction

Chair: Stephen Kovach, MD

Panelists: L. Scott Levin, MD; Scott Hollenbeck, MD; Samir Mehta, MD; John LoGiudice, MD

12:15–1:00pm**YMG Open Forum and Lunch**

“Starting a Microsurgical Practice: Lessons Learned and Tips for Success”

Moderator: Reuben Bueno, MD

Panelists: Bernard Lee, MD; John Houle, MD; Suhail Kanchwala, MD

12:15–1:00pm**Lunch****1:00–2:45pm****Scientific Paper Session: Basic Science/CVA****1:00–2:15pm****ASRM Breakout Panels**

405 Building a Successful Microsurgery Practice: Do's and Don'ts

Chair: Melissa Crosby, MD

Panelists: Robert Whitfield, MD; David Greenspun, MD; Steven Pisano, MD

406 Decision Making and Ethical Aspects in Palliative Reconstructive Microsurgery

Chair: Lawrence Gottlieb, MD

Panelists: Julian Pribaz, MD; Matthew Hanasono, MD; Allen Gustin, MD

407 Mandibular Reconstruction

Chair: Joseph Disa, MD

Panelists: Evan Matros, MD

408 Preoperative Imaging in Breast Reconstruction

Chair: John Hijawi, MD

Panelists: Thomas Hayakawa, MD; Justin Sacks, MD; Joseph Dayan, MD



1:00 PM, JANUARY 13

ASRM Godina Lecture**Michel Saint-Cyr, MD**

“Marko Godina was distinguished by his tireless energy, his impeccable logic, his boundless optimism, and his constant good humor and courtesy”

– G. Lister

It is these qualities that are sought after in choosing the ASRM Godina Lecturer, honoring Dr. Marko Godina, an unrivaled leader and innovator in reconstructive microsurgery whose life was tragically cut short at the young age of 43. Established by the trustees of the Marko Godina Fund, this distinguished lectureship highlights a young, upcoming microsurgeon who has demonstrated leadership, innovation and ongoing commitment to our field in the best traditions of Dr. Godina. It is a pleasure to introduce Michel Saint-Cyr, MD as the 2013 Godina Traveling Fellow.

409 Thinking Outside the Box: Extremity Replantations that would make Marko Godina Proud

Chair: Jason H. Ko, MD

Panelists: Pedro Cavadas, MD, PhD; James Higgins, MD; Bauback Safa, MD; Ian Valerio, MD

2:45–4:15pm**ASRT Panel: Sharing Complications of the VCA Transplants**

Chair: Maria Z. Siemionow, MD, PhD, DSc

Panelists: W.P. Andrew Lee, MD; Kodi Azari, MD; Christina Kauffmann, PhD; Bohdan Pomahac, MD; Eduardo Rodriguez, MD; Linda Cendales, MD

5:00–7:00pm**ASRM Best Case/Best Save**

Supported by an educational grant from Synovis, MCA

continued on next page

2014 PROGRAM AT A GLANCE (continued)

Monday, January 13, 2014**6:15–8:15am**

Breakfast with Exhibitors

6:45–8:00am

ASRM Breakout Panels

- 410 Autologous Breast Reconstruction: Maximizing Aesthetic Outcomes and Solving Difficult Problems
Chair: Michel Saint-Cyr, MD
Panelists: John Hijjawi, MD; Melissa Crosby, MD
- 411 Genitourinary & Perineal Reconstruction
Chair: Lawrence Gottlieb, MD
Panelists: Charles Butler, MD; Lawrence Colen, MD; Loren Schechter, MD
- 412 Head On: Propeller vs. Free Flaps – Making Decisions for Lower Extremity Reconstruction
Co-Chairs: J.P. Hong, MD and T.C. Teo, MD
- 413 The Great Midface Debate
Chair: Roman Skoracki, MD
Panelists: Joseph Disa, MD; Eduardo Rodriguez, MD, DDS; Ming Huei Cheng, MD; Eric Santamaria, MD; Goetz Giessler, MD; Jamie Levine, MD; Matthew Hanasono, MD

6:45–8:15am

Scientific Paper Session: Extremities

8:15–9:15am

Lymphatic Surgery: Separating Fact from Fiction

- Chair: David W. Chang, MD*
Panelists: Ming-Huei Cheng, MD; Isao Koshima, MD; Babak Mehrara, MD; Joseph Dayan, MD

9:15–9:45am

ASRM Presidential Lecture

*Joseph Serletti, MD, ASRM President***9:45–10:15am**

Break with Exhibitors

10:15–11:15am

YMG Panel: Microsurgical Education: An Evolving Paradigm

- Chair: Jesse Selber, MD*
Invited Panelists: Michael Neumeister, MD; Gordon Lee, MD; Yelena Akelina, DVM, MS

7:00 AM, JANUARY 14



Elisabeth K. Beahm Memorial Lecture

Robert L. Walton, MD, FACS

Dr. Elisabeth K. Beahm, Professor of Plastic Surgery at the University of Texas, MD Anderson Cancer Center, is remembered for her contributions to the field of plastic surgery. As the consummate academic surgeon, she has advanced breast and nasal reconstruction, educated medical students, residents, and fellows in her field of expertise, and helped thousands of patients with compassionate care. She has enriched the lives of all who have been fortunate to know her. It is only appropriate that the ASRM recognizes her contributions and honor her with a very special memorial lecture.

10:15–11:30am

ASRM Breakout Panels

- 414 Advances in Abdominal Wall Reconstruction: What We Know Now but Didn't Know 5 Years Ago
Chair: Charles Butler, MD
Panelists: Donald Baumann, MD; Gregory Dumanian, MD; Stephen Kovach, MD
- 415 Bring Your Complications
Chair: Peter Neligan, MD
Panelists: Lawrence Gottlieb, MD; William C. Pederson, MD; J.P. Hong, MD
- 416 Extremity Sarcoma 101. How to Achieve Excellence In Diagnosis, Management, Reconstruction and Outcomes
Chair: Stefan Hofer, MD, PhD
Panelists: Jay Wunder, MD; E. Gene Deune, MD
- 417 Maximizing Function after Oral-Pharyngoesophageal Reconstruction
Chair: Peirong Yu, MD
Panelists: Matthew Hanasono, MD; Jan Lewin, PhD
- 418 25 Options when the Abdomen is Not Enough for Breast Reconstruction
Co-Chairs: Robert Allen, MD; Ali Sadeghi, MD

11:15–12:15pm

Scientific Paper Session: Trunk/Torso

continued on next page

2014 PROGRAM AT A GLANCE (continued)

11:30–12:15pmASRM Business Meeting (*Members Only*)**12:15–1:00pm**

Lunch with Exhibitors

1:00–2:00pm

ASRM Godina Lecture

*Michel Saint-Cyr, MD***2:15–5:00pm**The American Society for Lymphatic Surgery (ASLS):
Update on Lymphatic Surgery**6:00–7:00pm**

Godina Alumni Club Reception

6:00–7:00pm

Poster & Exhibits Cocktail Reception

7:00–10:00pm

ASRM “Hawaiian Style” Social Event

Tuesday, January 14, 2014**6:30–7:30am**

Breakfast

7:00–8:00am

Elisabeth K. Beahm Memorial Lecture

*Robert L. Walton, MD, FACS***8:00–9:45am**

Scientific Paper Session: Head & Neck

8:15–9:30am

ASRM Incoming Council Meeting

8:15–9:30am

ASRM Breakout Panels

419 Aesthetic Head and Neck Reconstruction

*Chair: Julian Pribaz, MD**Panelists: Peter Neligan, MD; Elliott Rose, MD;
Robert L. Walton, MD*420 Challenging the Paradigm of Microsurgery
Education: Going Beyond: “See One, Do One,
Teach One”*Chair: Gordon Lee, MD**Panelists: Joseph Carey, MD; Jesse Selber, MD;
Reuben Bueno, MD*

9:45 AM, JANUARY 14

**Buncke
Lecture****Isao Koshima, MD**

The Harry J. Buncke Lectureship has been created with the support of the California Pacific Medical Center to honor Dr. Buncke’s remarkable contributions to the field of microsurgery. Dr. Harry Buncke played a major role in the development of our specialty and helped develop several microsurgical laboratories across the globe. He influenced countless residents and fellows as well as numerous department chairs throughout the world. It is with great appreciation that the ASRM is able to honor Dr. Harry J. Buncke with this lectureship. It is our pleasure to introduce Isao Koshima, MD as the 2014 Buncke Lecturer.

421 Current Concepts in Chest Wall Reconstruction

*Chair: Donald Baumann, MD**Panelists: Justin Sacks, MD; Patrick Garvey, MD;
Shayan Izaddoost, MD, PhD*422 Maximizing Efficiency in Autologous Breast
Reconstruction*Chair: Edward Buchel, MD**Panelists: Thomas Hayakawa, MD; Michael Zenn, MD***9:45–10:45am****Buncke Lecture***Isao Koshima, MD***10:45am–12:00pm**Concurrent Scientific Paper Sessions: Microsurgical
Training and Outcome Studies**12:00–1:30pm**Panel: How Will Microsurgeons Afford the
Affordable Care Act?*Moderator: David Song, MD, MBA**Panelists: Michael Zenn, MD; Jeffrey Friedman, MD;
L. Scott Levin, MD; Ed Buchel, MD*

2014 ANNUAL MEETING INFORMATION

Tips for Enjoying Your Stay in Paradise

KAUAI, THE "GARDEN ISLE"

The oldest and northernmost island in the Hawaiian chain, Kauai lets you escape to an exotic and dramatic landscaped world. Centuries of growth have formed tropical rainforests, forking rivers, cascading waterfalls and emerald valleys, sometimes only allowing access to breathtaking views by sea or air. Beyond Kauai's dramatic beauty, the island is home to a variety of activities. Kayak the Wailua River, snorkel on Poipu Beach, hike the trails of Kokee State Park. Even go ziplining above Kauai's lush valleys. But it is the island's laid-back atmosphere and rich culture found in its small towns and along its one-lane bridges that make it truly timeless. Make your escape to Kauai and discover the undeniable allure of Kauai. For most destination information visit www.gohawaii.com/kauai

GRAND HYATT KAUAI RESORT AND SPA

Lush gardens and dramatic waterfalls set the mood for an experience that is nothing short of spectacular at this year's host hotel. This stunning resort embraces the mystic and enchanting charm of the Garden Isle while allowing you to create your own personal retreat with the vast array of exceptional amenities available for all ages. You'll find a little piece of paradise by packing your day full of adventure or by utilizing the serene setting of the hotel for a day of blissful relaxation. Each moment spent here is precious. For a full list of amenities and more hotel information, visit www.grandhyattkauai.com

GRAND HYATT KAUAI RESORT ACTIVITIES

Water Activities

Idle away the day in your floating chair surrounded by lush greenery and lagoons. At the Kauai beach resort, you'll find everything from scuba lessons to kayak rentals. If its ocean

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JANUARY 11-14
ASRM 29TH ANNUAL MEETING

Grand Hyatt Resort
& Spa
Kauai, Hawaii



AAHS/ASRM Golf Tournament

Saturday, January 11, 12:30pm
\$220, \$65 club rental

Just steps from the hotel door, the Poipu Bay Golf Course is a Hawaiian Classic situated on 210 oceanfront acres. The 18-hole championship course is bordered by emerald green mountains, 30 acres of tropical plants, and ancient places of worship. The layout combines the beauty of nature and the design of Robert Trent Jones, Jr. Exceptional amenities include, in cart navigation, on course beverage cart, and cold citrus-scented towels to keep you refreshed. This year's format is a Shamble, each member of your foursome hits a tee shot. The best drive of the team is selected and all players play their own ball out from that point. Lunch will be provided on the carts.

COMMITTEE REPORT: MICROSURGERY MATCH

Microsurgery Match 2013



Michel Saint-Cyr, MD
Microsurgery Match
Chair

With Peter Neligan, MD; Liza Wu, MD; Tom Hayakawa, MD; and Peter Cordeiro, MD

The 2013 Microsurgery Match is a success with 22 programs and 43 applicants participating. One of the major changes to the Match next year is a transition to the San Francisco Match (SF Match) for the facilitation of the Match process. The Match will now be done in the Spring resulting in matching 15 months prior to the start of the fellowship year. Applicants will begin to register in January 2014 and the Match will take place in May 2014 for a fellowship start in July 2015.

"The Match will now be done in the Spring resulting in matching 15 months prior to the start of the fellowship year."

This first year of partnership there will be a centralized portal and process for the match. A centralized application process will be implemented for all future matches.

By partnering with the SF Match the Microsurgery Fellowship Match can now offer its program partners with a less expensive, user-friendly system that is more robust and will encourage growth in our specialty.

The SF Match provides:

- Direct phone support to all micro-fellowship programs
- A centralized management office where questions about specific applicants can be answered quickly.
- Direct phone support to programs at no extra cost.
- Allows multiple users on the system as needed to help administer and manage the fellowship.
- Program Directors can have others assist during rank time and can view 'votes' for each candidate.
- The program will have access to the largest pool of applicants and programs that choose to not participate cannot post a listing for a position.
- Any program that is a member of the Match and has a sudden departure of a fellow can post an advertisement at no cost to help fill the position. **RM**

TIPS ON KAUAI *Continued*

breezes you prefer, the white sand beach is just steps away. The nationally renowned water playground includes an adult pool, a large activity pool, a meandering river pool with waterfalls and hidden caves, 150 foot waterslide, cabanas, three Jacuzzis, and a saltwater lagoon.

Golf

Like no other course in the world, the Poipu Bay Golf Course is Kauai's championship golf experience. Holding the PGA Grand Slam of Golf from 1994-2006, the course was designed by renowned designer Robert Trent Jones Jr. conspired to create a stunning Hawaii golf

resort. A unique and unforgettable round of golf awaits you just steps away from the hotel's front door. The AAHS/ASRM Annual Golf Tournament will be held at this pristine course on Saturday, January 11th. See preceding pages for details.

Concierge & Amenities

A designated concierge desk for the AAHS-ASPN-ASRM attendees, along with contacts for the resort spa will be set up near the meeting registration desk for your convenience in tailoring activities for your stay. For a full listing of local attractions visit, www.grandhyattkauai.com/local-attractions. **RM**

YOUNG MICROSURGEONS GROUP

Microsurgery in Practice: Can You Do It?



Reuben Bueno, MD
Young Microsurgeons
Group Chair

As a medical student, were you inspired to pursue a residency in plastic surgery by reconstructive microsurgery? Perhaps there was a sense of awe and wonder about transferring a piece of tissue from one part of the body to another to reconstruct a defect.

You found the technical challenge of sewing a vessel under the microscope invigorating and wanted to learn how to do that. Like your mentors in medical school, you wanted to feel the thrill of watching blood flow across the anastomosis—the culmination of being totally immersed and engaged mentally and physically in the technical feat with the additional reward of trying to do something good for the patient.

Residency reinforced your decision about becoming a reconstructive microsurgeon as your case logs filled up—breast, upper extremity, lower extremity, functional muscle transfers, head and neck. Maybe you even did a microsurgery fellowship. In training, you sought out the big cases with big problems. You knew there would be long hours, but the satisfaction of knowing that a microsurgical solution was required to solve the problem kept you motivated and inspired.

And so you just finished training or are getting ready to finish, and you wonder what lies ahead for you...

Can you still do the kinds of cases that brought you to plastic surgery in the first place?

Will you have the support needed to be successful?

How do you get established in a microsurgical practice?

How do you sustain a microsurgical practice?

The Young Microsurgeons Group has invited 3 young microsurgeons to show you that it CAN be done!

The goal of the YMG Open Forum and Lunch at this year's Annual Meeting (*Starting a Microsurgical Practice: Lessons Learned and Tips for Success*) is to share with the audience what they have learned—mistakes they have made, as well as what has worked for them—as they have built their practices to include microsurgery. The panelists include Bernard Lee, MD (Boston, MA), John Houle (St. Cloud, MN), and Suhail Kanchwala, MD (Philadelphia, PA).

On behalf of the Young Microsurgeons Group, I invite all attendees of this year's meeting to join us for a lively and useful discussion on starting a microsurgical practice. **RM**

YOUNG MICROSURGEONS GROUP (YMG)

The ASRM Young Microsurgeons Group (YMG) is a resource for young micro-surgeons which provides opportunities for networking, sharing of ideas, and leadership development. Acting as a liaison between reconstructive surgeons in the early stages of their careers and established ASRM Member Surgeons, the YMG facilitates opportunities for young reconstructive surgeons to become involved in the ASRM.

YMG members serve on key committees and have a representative that sits on the council. In addition, the YMG hosts the YMG Forum as well as a panel during the annual meeting.

All reconstructive surgeons who have been a Candidate or Active member in practice for fewer than eight years are eligible to participate. If you are interested in joining the YMG and meet the qualifications, email the Central Office at contact@microsurg.org to join. **RM**

FROM THE EDUCATION COMMITTEE

Microsurgical Pearls



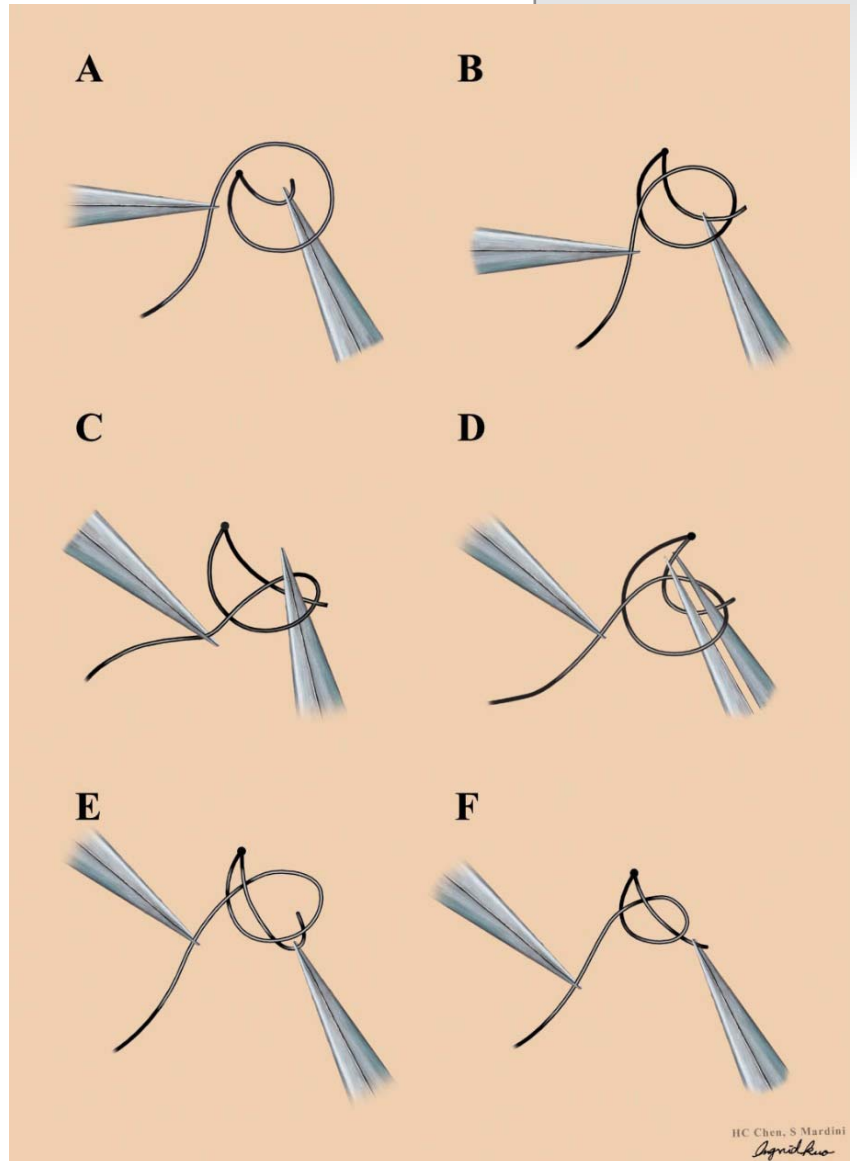
**Samir Mardini,
MD**
Education
Committee Chair

With **Karim Bakri, MBBS, Michel Saint-Cyr MD, and Hung-Chi Chen, MD, PhD, FACS**

Tip #1

MINIMIZING ISCHEMIA TIME – THE “AIRBORNE SUTURE TECHNIQUE”

The microvascular surgeon should always aim to minimize flap ischemia time. Free functioning muscle transfers and microvascular intestinal transfers can be exquisitely sensitive to a prolonged ischemia time, and in these cases, the ability to perform efficient microvascular anastomoses is of key importance. The surgeon should possess advanced technical expertise in all aspects of microvascular setup, vessel manipulation and suture handling to be able to restore perfusion expeditiously. However, often during knot-tying, one end of the suture may get stuck within surrounding tissues or the vessel adventitia, causing frustration and unnecessary manipulation resulting in an inelegant, time-consuming anastomosis. A refinement in suture handling and knot tying, the “airborne suture tying” technique¹, leaves the suture end in mid-air, removing the cumbersome step of freeing the suture end from the surrounding tissues. We have found that this technical trick maximizes efficiency in executing the



anastomosis, and provides an elegant way of cutting the time for anastomosis by 15 to 20 percent.

After the needle has been placed through both sides of the anastomosis, the suture is pulled through so that the leading end is approximately 2.5 to 3 times longer than the free end of the suture. Subsequently, the knot can be tied in one of two ways, each placing the knot in a different direction.

continued on next page

*Figure 1.
Airborne suture technique
Method 1*

HC Chen, S Mardini
S. Mardini

EDUCATION COMMITTEE (continued)

PEARLS *Continued*

The free end is passed behind the leading end so that it is held up in the air by a segment of suture, the right forceps forms the knot, while the free end is still supported by a more distal segment of the suture, the free end is picked up at its tip which is still positioned in mid-air and the knot is tied (Fig. 1)

The free end is placed behind the leading end allowing the free end to lean on the other segment of the suture, the knot is formed by passing the right forceps through the loop formed by the leading edge, while the free end is still supported by a more distal segment of the suture, the free end is picked up at its tip which is still positioned in mid-air and the knot is tied. (Fig. 2)

Both methods rely on a segment of the leading end of the suture and one of the microvascular instruments to support the free suture end while tying. This trick prevents the free suture end from dropping into the field and provides an elegant solution to the problem of microvascular suture ends sticking into the adventitia or surrounding tissues.

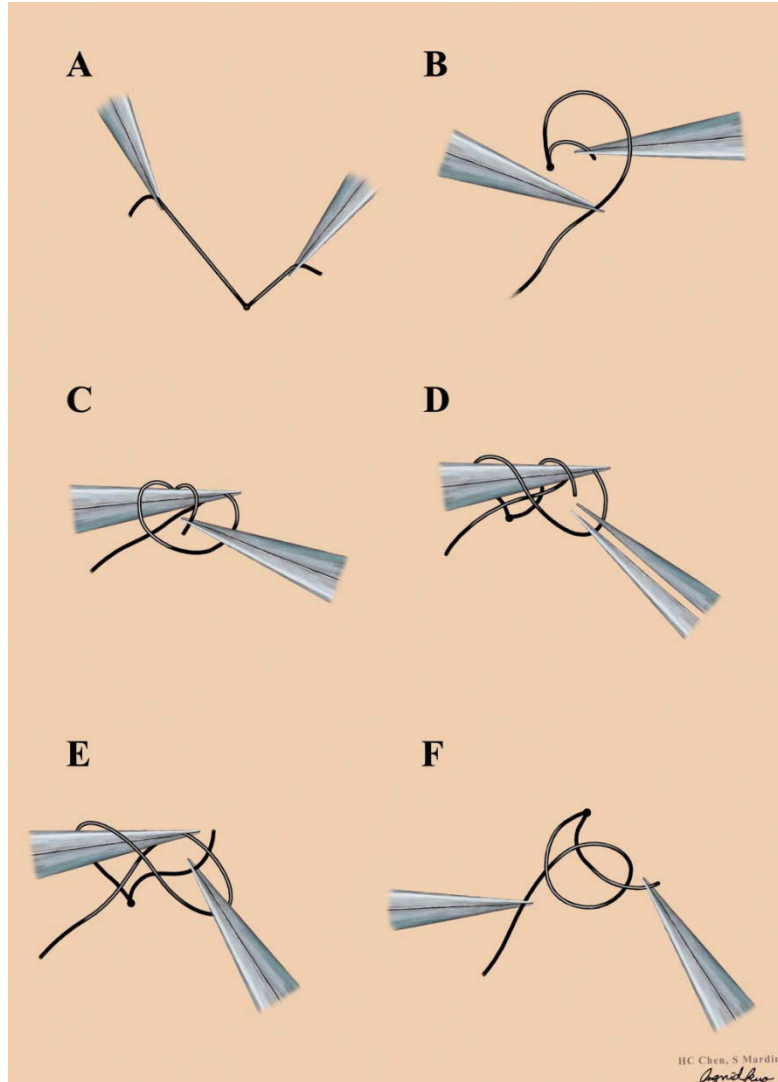


Figure 2. Airborne suture technique Method 2

Tip #2

KEEPING THE MICROVASCULAR NEEDLE READY

Standard microsurgical practice is to place or “park” the microsurgical needle in the foam packet or soft instrument wipe when not being used. Occasionally, you may find yourself in a situation where it would be preferable to have the needle mounted in the driver, ready to use immediately although may not be using a locking needle driver. In this

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ASRM Calendar

2014

JANUARY 11-14
ASRM 29TH ANNUAL MEETING

Grand Hyatt Resort & Spa
Kauai, Hawaii

2015

JANUARY 24-27
ASRM 30TH ANNUAL MEETING

Atlantis Hotel
Paradise Island,
The Bahamas

2016

JANUARY 16-19
ASRM 31ST ANNUAL MEETING

Westin Kierland Resort and Spa
Scottsdale, Arizona

2017

JANUARY 14-17
ASRM 32ND ANNUAL MEETING

Hilton Waikoloa Village
Waikoloa, Hawaii

EDUCATION COMMITTEE (continued)

PEARLS *Continued*

situation, ask for a 3 cc syringe, remove the plunger, and place the proximal end of the microsurgical needle driver inside the syringe barrel, with the needle mounted in your preferred position (Fig. 3). Care should be taken to position the driver in a place that the needle is out of harm's way. We have found this trick useful when lacking an assistant or scrub technician who is unfamiliar with microsurgical instruments and technique.



Figure 3. The needle driver is placed in the barrel of a 3 cc syringe to keep the needle mounted.

Tip #3

BARBED SUTURES FOR QUILTING

Pedicle or free flap donor site closures can sometimes be fraught with complications such as wound dehiscence or seromas, all of which increase postoperative morbidity. One effective way of minimizing dead space and reducing final wound closing tension is to use a combination of interrupted progressive tension sutures and running barbed progressive tension sutures. These sutures can be used to close all major flap donor sites where large surface areas are undermined (latissimus dorsi flap, abdominal based flaps eg. DIEP, and all advancements of major cutaneous flaps to minimize tension eg. closure of large hemipelvectomy defects). The interrupted sutures are

used in hard to reach areas and running barbed sutures used for large surface areas with easy access. Use of these sutures either individually or in combination has allowed us to significantly reduce our complication rates, minimize drain placement time, and in some cases avoid the use of drains altogether (for example not using drains in DIEP flap donor sites). **RM**

REFERENCES

Chen HC, Mardini S, Tsai FC. "Airborne" suture tying technique for the microvascular anastomosis. *Plast Reconstr Surg.* 2004 Apr 1;113(4):1225-8

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