

14th ANNUAL

JULY 21-22 | 2023

Hair Transplant 360 WORKSHOP

ST. LOUIS, MISSOURI, USA

Comprehensive Hair Transplant Course: Linear-Strip Excision (LSE) & FUE Hands-on Course



Two Parallel Courses for Physicians & Staff

Sign Up Your Staff for
The Intensive Hands-on
Assistant Course!

- Hairline Design
- Donor Harvest/Closure
- Recipient Site Creation
- Graft Dissection
- Graft Placement
- PRP, Laser, Etc.
- Crown Design
- Female Hairline Design
- Temporal Point Design
- Graft Calculation
- Marketing
- Consulting
- Medical Treatment
- Critical Thinking
- Quality Control
- FUE & LSE

Course Director:
Samuel M. Lam, MD, FACS, FISHRs

Course Co-Director:
Steven Gabel, MD, FACS, FISHRs

Assistant Course Director:
Aileen Ullrich

Honored Guests:
Marc Avram, MD, FISHRs
David Perez-Meza MD, FISHRs

International Skype Lecturer:
Maria Angelica Muricy, MD

And International World-Class Faculty

slu.edu/medicine/pase

SAINT LOUIS



UNIVERSITY.

In collaboration with



An offering through: Practical Anatomy & Surgical Education, Department of Surgery
Saint Louis University School of Medicine

Welcome!



Sam Lam, MD

This is the first year that we were able to obtain fresh, non-fixed tissue, and what a world of difference. We are still working to improve the hands-on experience but this was a great start! The student response was unanimously excellent, and I was blown away at how dedicated this group of students really was, staying to the very close of each lab session with tireless energy. Steve Gabel, my co-director, has taken an ever-increasing role in the development and success of this course with detailed attention to every facet of HT360, and I am truly indebted to his wisdom and work ethic to make this program a success. Aileen took over the helm to run the assistant course and was able to navigate this program with deft and grace that I thought would have taken her a few years to master. I am truly impressed with my new team of leadership who is driving the educational caliber to new heights! I'm looking

forward to new honored guests David Perez-Mesa and Marc Avram, who are world leaders and senior voices in our industry. They will undoubtedly have a profound impact in shaping the next generation of surgeons at our course. Of note, we sold out last year very early with a long waiting list. I encourage you to book your space as soon as you can. We look forward to seeing you at SLU in 2023.



Steven Gabel, MD, FACS

I am honored to serve as the co-director of the Hair Transplant 360 Workshop. The course is designed for both the beginner and intermediate hair restoration physician to gain new information and increase knowledge of important topics in the field. Planning is well underway for the 2023 workshop, and it promises to be an exceptional conference led by experts with years of experience in hair restoration.

The course is constantly evolving and there is a significant amount of time in a didactic lecture hall setting as well as the laboratory for hands-on experience. We will demonstrate cutting edge techniques in follicular unit extraction with a variety of motorized devices to learn from, and removal of donor hair via the linear strip method. We will have several stations set up in the laboratory to learn the use of forceps and implanters for graft placement.

The workshop has been designed to provide a comprehensive program in hair restoration surgery, and we look forward to seeing you in 2023.



Aileen Ullrich

We invite you to join us for the 2023 Hair Transplant 360 hands-on Surgical Assistants' Workshop. In 2022 we had another successful course with a record number of students in attendance. Regardless of educational background or experience level, we continue to receive overwhelmingly positive feedback on this workshop.

During the course, students learn all aspects of assisting in both Linear Strip Excision (LSE) and Follicular Unit Excision (FUE) procedures - with real scalp tissue. Key principles of graft survival are taught and then applied under the direct supervision of our experienced faculty in the hands-on cadaver lab. This format aids participants in developing good habits that can be easily transferred to the clinic environment.

Attendees are introduced to various techniques of graft preparation and placement using a variety of instrumentation including implanters and

forceps. Seasoned faculty provide real-time feedback as they guide students in building new and improving upon existing skill sets. Interactive-group discussions expose participants to the complexity of hair restoration surgery, encourage them to think critically and foster open communication among team members.

Whether you are considering the addition of hair restoration to your practice, want to refine a particular skill set, or need some inspiration towards quality improvement this is the course for you. We look forward to seeing you in Saint Louis in 2023!



St. Louis Attractions

St. Louis offers lively attractions throughout the city for visitors of any age. Forest Park is less than 4 miles from Practical Anatomy and Surgical Education and offers the Art Museum, Science Center, Zoo, Jewel Box greenhouse, History Museum, 7.5-mile biking, jogging and skating path and lakes all for FREE. The downtown riverfront is a short cab ride from the hotels and offers attractions including the Old Cathedral, Gateway Arch and the Jefferson National Expansion Memorial and Museum.

Register Online at

<http://slu.edu/medicine/pase>

ACCREDITATION:

Saint Louis University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION:

Saint Louis University School of Medicine designates this live activity for a maximum of: *19.25 AMA PRA Category 1 Credits™* for Physicians.

Physicians should only claim credit commensurate with the extent of their participation in the activity.

A certificate of attendance will be issued for Surgical Assistants. The certificate will reflect the activity was approved for *17.5 AMA PRA Category 1 Credits™*.

It is the responsibility of the participant to understand their boards CE approval process.

The education the participant gains through our CME activities does not satisfy training requirements to perform the surgery.

Practical Anatomy and Surgical Education
Attn: Course Coordinator
3839 Lindell Blvd., St. Louis, MO 63108 USA

Phone: (314) 977-7400

Fax: (314) 977-7345

E-mail: pa@slu.edu

Website: <http://slu.edu/medicine/pase>

Course Director:

Samuel M. Lam, MD, FACS, FISHRS

Course Co-Director:

Steven Gabel, MD, FACS, FISHRS

Honored Guests:

Marc Avram, MD, FISHRS

David Perez-Meza MD, FISHRS

Live International Lecturer:

Maria Angelica Muricy, MD

Faculty:

Marco Barusco, MD, FISHRS

Ken Buchwach, MD, FACS

Vance Elliott, MD, FISHRS

Nicole E. Rogers, MD, FAAD, FISHRS

Paul T. Rose, MD, FAAD, FISHRS, JD

Lawrence Samuels, MD, FISHRS

Marie Schambach, MD, FISHRS

Video Faculty:

Juliana Guida

Christina Smith

Mauro Speranzini MD

Emina Vance, MD

Assistant Course Director:

Aileen Ullrich

Surgical Assistants Faculty:

Susana Andrade

Laura Burdine

Lisa Kozak

Tina Lardner

Nancy Rayas

Al Romero

Sherry Xinjing Wang

Faculty subject to change, for updates, please go to
<http://slu.edu/medicine/pase>

Tuition Fees

Physicians: \$3500

(\$400 off Early Bird Registration by February 1st)

Fellow/Resident/US Military: \$1950

Surgical Assistants: \$2250

(\$200 off Early Bird Registration by February 1st)

Early bird discount only applicable if paid in full by February 1, 2023.

All fees are denoted in U.S. Dollars (USD)

Video Lecture Series

As part of this course, after completion of the course to further enhance your education and development as a hair surgeon, physician attendees will receive a link to an online package of videos and video lectures by prominent surgeons from across the world.

Female Hairline Lowering	James E. Vogel, MD, FISHS
Eyebrow Hair Transplant.....	Marc S. Dauer, MD
Beard and Body Hair Transplant	Jeffrey S. Epstein, MD, FISHS
Scalp Micropigmentation	Sara L. Salas, MD
Understanding FUE Instrumentation.....	Arthur Tykocinski, MD, FISHS
Implanters	Mauro Speranzini, MD
Oral Minoxidil Usage	Damkerng Pathomvanich, MD, FISHS
Tissue Expanders, Flaps, & Reductions	Robert H. True, MD, MPH, FISHS
Scalp Micropigmentation - Techniques and Safety.....	Greg Williams, MBBS, FRCS, FISHS and Dawn Forshaw
FUE vs. LSE Donor Considerations.....	Ronald L. Shapiro, MD, FISHS
Correcting Facelift Scars, Emergency Medical Management, How to Build A Hair-Transplant Business, Planning Hair-Transplant Cases for Beginners, Recipient-Site Planning & Design, Surgical Hairline Lowering.....	Mario Marzola, MBBS

Suggested Viewing

ISHRS On-Demand Basics Bundle Enduring Material, Online Format.

For those new to hair restoration surgery, it is highly encouraged that you take this self-paced, online learning program prior to the Workshop. It is an excellent primer and will enable you to get the most out of the Workshop. It was developed by the CME Committee of the International Society of Hair Restoration Surgery and includes pre-recorded, comprehensive lectures covering medical and surgical hair restoration. It includes over 80 lectures for a combined 24 hours of education. You can watch the full bundle or click through to the topics as you choose.

The fee is \$299 for members of the ISHRS, \$395 for member applicants, and \$449 for non-members.

For the list of lectures and to order, go to: <https://ishrs.org/basics-course/>

The International Society of Hair Restoration Surgery (ISHRS) is the preeminent medical association in the hair restoration field composed of more than 1,200 members throughout 70 countries. The ISHRS is dedicated to achieving excellence in patient outcomes by promoting the highest standards of medical practice, medical ethics, and research in the medical hair restoration industry. The ISHRS provides continuing medical education to physicians specializing in hair transplant surgery. Among its CME Program, the annual ISHRS World Congress is a highlight of the year in which the latest techniques, treatments, and outcomes are shared, discussed and debated. It is not to be missed!



www.ISHRS.org

Physicians



Friday, July 21, 2023

LECTURES

6:45 am	SIGN-IN and BREAKFAST	
7:00 am	Introduction & Laboratory Guidelines	S. Lam
7:15 am	HAIR BASICS Scalp Anatomy Relevant for Every Hair Surgeon	S. Gabel
7:35 am	HAIR BASICS Principles of Hair Transplantation	S. Gabel
7:55 am	HAIRLINE DESIGN Simplified Macro Male Hairline Design: A Focus on Shape and Position	V. Elliott
8:10 am	HAIRLINE DESIGN Live Demo of Male Hairline Design.....	V. Elliott & S. Lam
8:30 am	DONOR ANESTHESIA Linear-Strip Excision (LSE) and FUE Anesthesia.....	S. Lam
9:00 am	BREAK & EXHIBITS	
9:30 am	DONOR REGION FUE vs. LSE Selection & Critical Thinking.....	M. Schambach
9:45 am	DONOR REGION Graft Calculation & Planning	S. Gabel
10:00 am	DONOR REGION LSE Donor Preparation, Tumescence, Harvesting & Closure	V. Elliott
10:30 am	DONOR REGION FUE Donor Harvesting: Principles & Techniques	M. Schambach
10:45 am	RECIPIENT REGION How Hair Grows (Live Demo)	S. Lam
10:55 am	RECIPIENT REGION Recipient-Site Creation Instrumentation & Design	S. Lam
11:10 am	RECIPIENT REGION Recipient-Site Planning & Distribution	V. Elliott
11:35 am	GRAFT MANAGEMENT LSE Slivering & Dissection (Video)	A. Ullrich
11:40 am	GRAFT MANAGEMENT Graft Placement & FUE Graft Inspection (Video).....	T. Lardner
11:50 am	GRAFT MANAGEMENT Graft Quality & Survival (Video)	E. Vance
12:00 pm	PRACTICE: Information about the International Society of Hair Restoration Surgery (ISHRS)	
	PRACTICE: Preparing for the American Board of Hair Restoration Surgery (ABHRS) Exam & Ethics for the Hair Surgeon....	
	M. Barusco	
12:15 pm	LUNCH & EXHIBITS	

HANDS-ON CADAVER TISSUE LAB Physician Faculty

1:00 pm	Hairline Design
2:00 pm	Recipient-Site Creation
3:00 pm	Break & Exhibits
3:30 pm	GROUP 1: LSE Donor Harvesting GROUP 2: FUE Donor Harvesting
4:30 pm	GROUP 1: FUE Donor Harvesting GROUP 2: LSE Donor Harvesting

LECTURES

5:30 pm	Patient Consultation (Live Demo).....	V. Elliott
5:40 pm	MEDICAL MANAGEMENT Medical Management for Male and Female Hair Loss.....	M. Avram
6:00 pm	DERMATOLOGY Scalp Pathologies: Scarring & Non-Scarring Alopecias: What Every Surgeon Must Know	N. Rogers
6:15 pm	DERMATOLOGY Dermoscopy Fundamentals & How I Use It.....	N. Rogers
6:30 pm	Adjourn – Shuttles to Hotels	

NOTE: Please go to: slu.edu/medicine/pase for new safety guidelines to be implemented during workshops.





Saturday, July 22, 2023

6:45 am SIGN-IN & BREAKFAST

LIVE INTERNATIONAL LECTURES

7:00 am The Use of Beard as Donor Area in FUE Surgery (Live from Brazil) M.A. Muricy

LECTURES

7:40 am **DONOR MANAGEMENT** Age & Norwood Specific Transplant Planning: Principles of Safety & Long-Range Decision Making...S. Gabel
 7:55 am **DONOR MANAGEMENT** FUE vs. LSE Decision-Making S. Lam
 8:10 am **DONOR MANAGEMENT** FUE Donor Math P. Rose
 8:30 am **DONOR MANAGEMENT** FUE Donor Management: Planning for Future Sessions..... M. Schambach
 8:45 am **SPECIAL SURGICAL TOPICS** Temporal Hairline & Lateral Hump Reconstruction: Planning, Design, & Pitfalls S. Lam
 9:00 am **SPECIAL SURGICAL TOPICS** Female Hair Loss & Hair Restoration..... S. Lam
 9:15 am **SPECIAL SURGICAL TOPICS** Crown Hair Transplant S. Lam
 9:30 am **SPECIAL SURGICAL TOPICS** Eyebrow Hair Transplant S. Lam
 9:45 am **SPECIAL SURGICAL TOPICS** FUE Skin-Type Challenges, Complications, and Difficult Situations M. Schambach

10:00 am BREAK & EXHIBITS

LECTURES

10:30 am **PRACTICE** FUE Operative Set Up and Time Flow (Video).....S. Gabel
 10:40 am **PRACTICE** LSE Operative Set Up and Time Flow (Video) M. Barusco
 10:50 am **PRACTICE** Postoperative Care S. Gabel
 11:05 am **SPECIAL SURGICAL TOPICS** Beard & Body Hair FUE Pearls, Pitfalls, Techniques M. Schambach
 11:20 am **SPECIAL SURGICAL TOPICS** Difficult Cases S. Lam & Physician Faculty
 11:35 am **ANCILLARY MEASURES** Storage Solutions & Graft-Survival Studies S. Lam
 11:50 am **GRAFT MANAGEMENT** Critical Thinking During Graft Preparation and Placement (Video) E. Vance

12:00 pm LUNCH & EXHIBITS

HANDS-ON CADAVER TISSUE LAB Physician Faculty

1:00 pm Customized Learning Station Rotations: Hairline, Recipient Site, LSE Donor Harvest, FUE Donor Harvest, Crown Design, Temple Design, Eyebrow Design, Female Hairline Design & Dermoscopy, Business Development & Marketing Graft Placement: With Forceps & Implanters.

4:00 pm Break & Exhibits

LECTURES

4:30 pm **SPECIAL SURGICAL TOPICS** FUE Instrumentation & Punch Characteristics S. Gabel
 4:40 pm **SPECIAL SURGICAL TOPICS** Difficult Situations N. Rogers
 5:00 pm **GRAFT MANAGEMENT** Critical Thinking “What Went Wrong?” (Video) E. Vance
 5:15 pm **ANCILLARY MEASURES** Low-Level Laser Therapy S. Gabel
 5:25 pm **ANCILLARY MEASURES** Regenerative Medicine & Platelet Rich-Plasma S. Gabel
 5:40 pm **PRACTICE** Practice Management & Leadership S. Lam
 5:50 pm **PRACTICE** Small Cases: How to Start Small but Think Big..... N. Rogers
 6:00 pm **PRACTICE** How I Do FUE D. Perez-Mesa
 6:10 pm **PRACTICE** How I Do It Physician Faculty Panel S. Lam & Physician Faculty
 6:30 pm Closing Remarks & ADJOURN..... S. Lam

Assistants

Friday, July 21, 2023

6:45 am	Sign-In & Breakfast	
7:00 am	Welcome	S. Lam

LECTURES

7:15 am	Introduction and Handout Overview	A. Ullrich
7:55 am	HAIR BASICS Hair Loss & Hair Anatomy	E. Vance
8:10 am	HAIR BASICS Principles of Hair Restoration & Graft Survival	E. Vance
8:25 am	TECHNIQUE Principle of Slivering & Graft Dissection	A. Ullrich
8:30 am	TECHNIQUE Trimming & Sorting	A. Ullrich
8:35 am	TECHNIQUE Magnification & Instrumentation	A. Ullrich
8:40 am	TECHNIQUE Principle of Graft Placement	T. Lardner
8:45 am	TECHNIQUE Placing Strategy	T. Lardner
8:50 am	TECHNIQUE Magnification & Instrumentation	T. Lardner
8:55 am	TECHNIQUE Principle of Graft Removal in FUE	T. Lardner
9:00 am	TECHNIQUE FUE Graft Evaluation	T. Lardner
9:10 am	TECHNIQUE Magnification & Instrumentation	T. Lardner
9:15 am	TECHNIQUE Principle of Graft Placement Using Implanters	T. Lardner
9:30 am	PRACTICE & SETUP Surgical Flow Chart: Who Does What in Surgery	A. Ullrich
9:35 am	PRACTICE & SETUP Clean Procedure & Lab Etiquette	A. Ullrich
9:45 am	Break & Exhibits	

HANDS-ON CADAVER TISSUE LAB Assistant Faculty

10:15 am	Demonstration: Graft Placement with Forceps & Implanters
10:30 am	Graft Placement & Loading Implanters
12:00 pm	Lunch & Exhibits
1:00 pm	Demonstration: Slivering & Graft Dissection
1:10 pm	Adjust Microscopes
1:20 pm	Hand-and-eye Coordination (Inanimate Model)
1:30 pm	Graft Dissection, Trimming and Sorting, Slivering
2:30 pm	Break & Exhibits

HANDS-ON CADAVER TISSUE LAB Assistant Faculty

3:00 pm	Catchup Stations: Slivering, Dissection, Graft Placement, FUE Graft Removal, Implanters
5:00 pm	Round Table Discussion: Tips, Pearls & Insights
6:00 pm	Adjourn—Shuttles to Hotels

Assistants continued

Saturday, July 22, 2023

6:45 am Sign-In and Breakfast

LECTURES

7:00 am	CRITICAL THINKING	Round Table Discussion	A. Ullrich & Faculty
7:30 am	CRITICAL THINKING	Quality Control in Graft Preparation & Placement	E. Vance & Faculty
7:40 am	CRITICAL THINKING	Graft Trimming & Sorting.....	E. Vance & Faculty
7:50 am	CRITICAL THINKING	Graft Placement.....	E. Vance & Faculty

HANDS-ON CADAVER TISSUE LAB Assistant Faculty

8:00 am	Catchup Stations: Slivering, Dissection, Graft Placement, FUE Graft Removal, Implanters
9:30 am	Break & Exhibits
10:00 am	Catchup Stations: Slivering, Dissection, Graft Placement, FUE Graft Removal, Implanters
11:45 am	Lunch & Exhibits

LECTURES

1:00 pm	HAIR BASICS	Hair Transplant History: Looking Back	A. Romero
1:10 pm	HAIR BASICS	Postoperative Healing and Timeline.....	A. Ullrich
1:20 pm	PRACTICE & SETUP	Comparing Postoperative Care: How we do it.....	A. Ullrich & Faculty
1:40 pm	PRACTICE & SETUP	Office Setup Equipment and Instruments	E. Vance
1:50 pm	TECHNIQUE	Slivering, cutting, placing, FUE Graft Removal: How we do it (Video)	A. Ullrich & Faculty
2:00 pm	Break & Exhibits		

HANDS-ON CADAVER TISSUE LAB Assistant Faculty

2:30 pm	Catchup Stations: Slivering, Dissection, Graft Placement, FUE Graft Removal, Implanters
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INTERNATIONAL VIDEO LECTURES

4:00 pm	TECHNIQUE	Graft Implantation: KEEP For Graft Placement: Dr. Tony Ruston.....	J. Guida
4:10 pm	TECHNIQUE	Graft Implantation: Forceps or Implanters, When and Why.....	Dr. M. Speranzini
4:30 pm	PRACTICE & SETUP	Virtual Visit: Dr. Parsa Mohebi's Office (California)	C. Smith
4:40 pm	PRACTICE & SETUP	FUE Surgical Flow.....	Dr. M. Schambach
4:50 pm	TIPS & TRICKS	Velcro for Long Hair FUE	Dr. M. Schambach
5:00 pm	Round Table Discussion & Closing Remarks A. Ullrich & Assistant Faculty		
6:00 pm	Adjourn		

