

2022

# ISHRS PANAMA



30TH WORLD CONGRESS

WESTIN PLAYA BONITA · PANAMA CITY

OCTOBER 27-29, 2022

#ISHRS2022

30thannual.org

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Marie A. Schambach, MD, FISHRS | GUATEMALA | *Immediate Past Chair*

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*Chief COVID Officer*

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CHEERS  
TO 30 YEARS

EDUCATION  
RESEARCH  
COLLEGIALLY

# FINAL PROGRAM GUIDE



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# WELCOME

## MESSAGE FROM THE ISHRS PRESIDENT

Dear Colleagues,

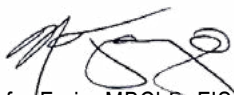
**A warm welcome to Panama City and our 30th Annual World Congress celebrations.** It is wonderful to finally make it in person: third time lucky! This year's meeting will be the first time that many of you have been able to travel outside your home country for a few years, so it's an even greater opportunity to meet old colleagues and make new friends. The city has many exciting features, and if touring around isn't your thing, then the beach is just steps away. For those with a sense of adventure the tropical rainforest is within easy reach and, of course, don't miss one of the greatest wonders of modern engineering, the Panama Canal.

**The ISHRS continues to grow** with members from 70 countries now represented. Our three pillars of **education, research, and collegiality** remain the core of the society. The Board of Governors, Committees, and ISHRS administration with the generous help of our volunteer members have been working behind the scenes to make the ISHRS the **world leader in education for hair restoration**. Ongoing webinars provide valuable CME points, and interactive courses such as the ISHRS live surgery workshop headed by the ISHRS Europe Council in association with the Italian Society for Hair Science and Restoration was a huge success. We are back to our full program of events with Basics and Advanced courses, and teaching for surgical assistants. So take advantage of all the ISHRS has to offer.

Our program Chair, Sara Wasserbauer, has worked tirelessly to create **an interesting and innovative program that encompasses all the latest that our specialty has to offer**. There are courses, workshops, didactic lectures, round table discussions, and more to suit all types of learning. Research projects will be presented, and new ones are welcome so **please apply for research grants** to get your project off the ground so that you can present at next year's congress. And of course, let's not forget the collegiality from tips learnt in the corridors, to social events and discussion during coffee breaks at the exhibitor stands. **If you are a newcomer, please attend the newcomers meeting** as it allows you to meet experienced colleagues who can help you navigate through what may appear to be a daunting program of events.

**I hope you all enjoy this special year** and give us your feedback on how we can improve in the future.

With warm personal regards,



Nilofer Farjo, MBChB, FISHRS | United Kingdom  
ISHRS President



Nilofer Farjo, MBChB



**PHOTO POLICY** Conference attendees may take photographs during oral or CSI presentations provided that the photographs are strictly for personal, noncommercial use, and not disruptive to the speaker or other learners.  
**VIDEO POLICY** No video recording allowed.

## MESSAGE FROM THE PROGRAM CHAIR

**Getting to plan a World Congress is one of the great privileges of my life.** When you get handed this opportunity, the entire process seems a blank slate. You think you can do anything! Little notes you have made for yourself over the years all might come true. It is...well, overwhelming!

Thankfully, just like our patients' limited donor areas, there are constraints on the ISHRS Congress planning. There is a limit to the time we will be together (815 minutes in General Session). There is a limit to a human attention span (5-7 minutes). There is a limit on the budget, and meeting spaces, and schedules...

Having goals and limits makes the process easier, paradoxically. My goals for this meeting are to shift the focus of the tiresome "FUE vs linear (FUT)" debate to the **subjects that unite us**; excellent hairlines, graft optimization, and generally achieving superior results by doing what is **best for our patients** – our shared goal.

*"Coming together is a beginning.  
Keeping together is progress.  
Working together is success."*

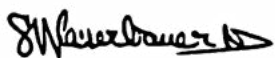
– Henry Ford

Congress – and coincidentally the country of Panama itself – is known for. We are going to honor that diversity with openness and curiosity and collegiality.

It is fun to learn. We all enjoy it, and when we learn together we develop bonds that transcend the spaces between us. To support the ISHRS tenet of "Collegiality," there will be "something for everyone" to discover including our non-physician colleagues, our new members, and those who simply are interested in hair health. Be prepared to interact and laugh as you learn because it will lock in your experience.

I am looking forward to meeting literally every one of you (if possible!) and hearing what you have enjoyed. **Look for me in the Panama hat** and get excited for those 815 minutes!

Warm regards,



Sara M. Wasserbauer, MD, FISHRS | USA  
Program Chair, 2022 World Congress



Sara M. Wasserbauer, MD

### CME INFORMATION

The ISHRS is the leader in high quality education for hair restoration surgeons. The ISHRS has achieved the prestigious accreditation to organize education for physicians from the renowned Accreditation Council for Continuing Medical Education.

### The 2022 ISHRS World Congress is not sanctioned for CME Credits.

However, the meeting will comply as much as possible with the policies and best practices of the Accreditation Council for Continuing Medical Education. All individuals in a position to control the content of the activity, including speakers and authors, moderators, and planning committee members, will properly disclose relevant financial relationships with any commercial interests pertinent to their talk or the subject of the meeting.

### Learning Objective (Overall)

Evaluate techniques and methods in the many aspects of surgical hair restoration, medical therapy, and adjunctive treatments, for hair loss of various etiologies to yield optimal patient outcomes.

### Speaker Disclosures of Conflicts of Interest

All presenters were required to disclose their relevant financial relationships. Such disclosures are published in the Abstract Book.

### Certificate of Attendance

Attendees in Panama receive a personalized Certificate of Attendance in their registration packets. All attendees (including on-demand only option) will also be emailed a Certificate of Attendance suitable for framing by November 18, 2022.

**Evaluation Surveys** The CME Committee kindly requests that you complete the overall evaluation survey you will receive via email in the days following the in-person meeting. Your feedback is very valuable to us! We make changes to the program and faculty based on your comments so we may continually improve the World Congress. Thank you for your participation!

## THANK YOU CORPORATE SUPPORT

We gratefully recognize the contributions of our commercial supporters.

**EDUCATIONAL GRANT**  
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Trivellini

### LOCAL SUPPORT







## GENERAL INFORMATION

### OFFICIAL LANGUAGE

The official language of the meeting is English. One-way English-to-Spanish simultaneous interpretation will be provided during the General Sessions on Thursday, Friday, and Saturday. The Focused Sessions slotted for the general session room will also have one-way simultaneous interpretation. Attendees wishing to utilize a simultaneous interpretation headset must advance register for this option via the registration process.



### PERSONS WITH DISABILITIES

The ISHRS fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof. If any participant in this educational activity is in need of support services, please notify the ISHRS Headquarters Office at +1-630-262-5399 or [info@ishrs.org](mailto:info@ishrs.org) as soon as possible, and preferably before October 1, 2022.

### CANCELLATION/REFUND POLICY

All registration fees, less a \$100.00 administration fee, will be refunded upon written notice of cancellation to the ISHRS office received on or before September 30, 2022.

There will be no refund of fees for cancellation or for lack of attendance without notification. It is your responsibility to ensure that your cancellation request has been received by the ISHRS headquarters office. All refund requests must be in writing. "No shows" who have not pre-paid will be invoiced for the total registration fee.

### PHOTOGRAPHY & VIDEO RECORDING POLICY

**PHOTO POLICY** Conference attendees may take photographs during oral or poster presentations provided that the photographs are strictly for personal, noncommercial use, and not disruptive to the speaker or other learners.

**VIDEO POLICY** No video recording allowed.

### HOTEL PARKING

ISHRS attendees receive complimentary self-parking as guests at the Westin Playa Bonita.

### AIRPORT & GROUND TRANSPORTATION INFORMATION

The Westin Playa Bonita is approximately a 40-minute drive (13.7 miles) from Tocumen International Airport (airport code PTY).

**Hotel's Private Taxi** The Westin Playa Bonita has its own private taxis that you may book for airport transportation. The current flat rate is \$45 USD from Tocumen International Airport to the Westin and \$42 USD from the Westin to the airport. Tipping is not customary, but it's good to round up the fare for good service. You may book the hotel taxis in advance through the hotel concierge at [conciergew@westinplayabonita.com](mailto:conciergew@westinplayabonita.com). You may pay the taxi drivers directly in cash only (no credit cards), or you could have the taxi charge added to your guest room folio. You may also request these taxis at the concierge desk to get to restaurants and local attractions.

**City Taxis** Licensed, registered taxis in Panama are yellow, and have plate numbers replicated on the sides of the vehicle. They do not have meters, and instead calculate fares based on how many zones are traversed. White unmarked vehicles known as "tourism taxis" operate out of airports, charging slightly more for private transportation.

**Tourism (White) Taxis from Airport** One-way taxi fare between the airport and Westin Playa Bonita is approximately \$40-50 USD. Be sure to use these white taxis (official tourist taxis) and confirm the price of your ride before you depart the airport. Taxis do not use meters and **they do NOT accept credit cards** – they only accept cash (USD). Tipping is not customary, but it's good to round up the fare for good service. After you pick up your luggage, you will find the white tourist taxis outside the exit.

**Private Transfers with Panamazing** Panamazing, the hotel's in-house destination management company, offers private transportation between the airport, Westin Playa Bonita, and Gamboa Rainforest Resort (for those doing a pre or post stay there). They are offering the ISHRS a 5% discount which is reflected in the pricing on our group link which you can access by clicking this link: <https://www.panamazing.com/ishrs/>

**Uber** Uber is widely used in Panama City and serves the airport.

## CONGRESS HOTEL AND MEETING LOCATION

### Westin Playa Bonita

Km 6 Camino a Veracruz  
Panama City, Panama

PHONE + 507 304 6600

EMAIL FOR RESERVATION QUESTIONS [groups.wpb@westinplayabonita.com](mailto:groups.wpb@westinplayabonita.com)

DETAILS about accommodations, rates, and reservations can be found at: <https://30thannual.org/hotel-information/>

Check-in time is 3:00PM • Check-out time is 12:00PM (noon)

The included breakfast is served every day from 6:00AM-10:30AM in hotel restaurant Pacifica.

### WEATHER

In October the temperature is generally between 77°F and 86°F (25°C and 30°C).

Located in the tropics, Panama has just two seasons: the dry season that runs from December to March and the much longer wet season that lasts from mid-March to December. During the wet season the rains usually only come for a short burst in the afternoon, which is typical for rainforest. It will be humid. The Westin Playa Bonita has umbrellas available by the exits.

There are approximately 12 hours of daylight.

### MEETING ATTIRE (In-Person only)

The attire for the educational sessions is business. Attire for the gala is formal/ black tie (evening gowns and suits/tuxedos). Those attending the carnival themed gala on Saturday evening are encouraged to wear bright clothing, sequins, or other festive formalwear.

### BADGES

An official ISHRS-issued badge for the 30th World Congress is required to enter the World Congress. Alterations and tampering with badges is prohibited and subject to the No Badge Swapping Policy.

### BADGE REPRINT POLICY

A penalty fee of \$25 USD will be charged for the first reprint of lost or misplaced badges. A second reprint will incur a penalty fee of \$100 USD. Badges will not be printed a third time.

### NO BADGE SWAPPING POLICY

You may not swap badges with other persons. Badges are issued to individuals for that individual's use, and only that individual's use. Replacement badges using another name or badge swapping is prohibited. Unauthorized use of Congress badges shall be subject to a \$2,000 USD fine per violation and punitive action by the Board of Governors, up to and including Congress ejection or possible forfeiture of ISHRS membership.

### TICKETS

Tickets are required for the following events. For those in which you registered, the tickets will be included in your registration packet.

- Wednesday Basics Course
- Wednesday Advanced/Board Review Course
- Friday M&M Conference
- Saturday Gala & Awards Ceremony
- Simultaneous Interpretation Headset

### CELLULAR PHONE POLICY

The use of cellular phones in the General Session or workshop rooms is strictly prohibited. Attendees must either turn off or vibrate cellular phones.



## ISHRS CONGRESS MOBILE APP



- 1 GO TO** your phone's app store  
Search and download: **ISHRS Meetings**
- 2 LAUNCH** the app. ISHRS2022 will be pre-populated.  
Tap on download event button.
- 3 ENTER YOUR DETAILS.** Tap Log in for more features. Enter your first and last name where prompted, then tap Next. Enter an email address where you'd like your verification email sent, then tap Next one more time.
- 4 VERIFY YOUR ACCOUNT.** Exit the app and open your verification email to obtain your six-digit verification code. Return to the app and enter the verification code. Then tap Verify to log in to your mobile app.

## ASKING QUESTIONS IN THE SESSIONS

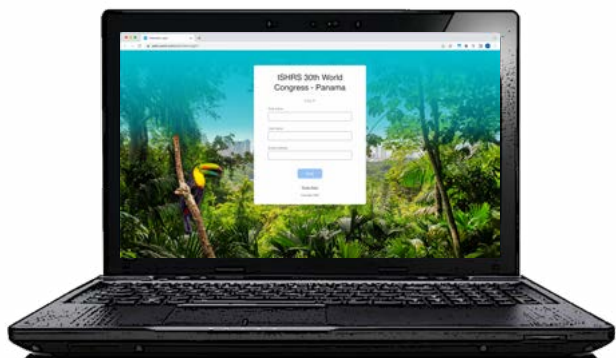
Attendees are encouraged to ask questions by submitting them via the Congress App. Attendees may also ask questions from the floor microphones during designated Q&A periods.

## TO SUBMIT YOUR QUESTION

- 1 OPEN** the Congress app
- 2 TAP** the Schedule tab
- 3 LOCATE** the session in which you wish to ask a question and tap the session name
- 4 TAP** "Submit a question now"
- 5 TYPE OUT** your question and indicate for which speaker, if applicable
- 6 TAP** "Submit" when complete

## THE ATTENDEE HUB

The Attendee Hub will be the web-based center for the the 2022 World Congress. This site will utilize the same platform as the congress app. The Attendee Hub is where all meeting information may be accessed from your desktop, and recorded sessions will be posted on November 15, 2022. Within the site there will be on-demand viewing of the recorded educational sessions from the Panama meeting, CSI Scientific Presentations, Final Program Guide, Abstract Book, and more. There is not live engagement (no live Chat or meet-ups) in the Attendee Hub. Login instructions will be sent to all registered attendees on how to download the app and access the Attendee Hub on Monday | October 17, 2022, at 11:00AM Central Daylight Time (Chicago).



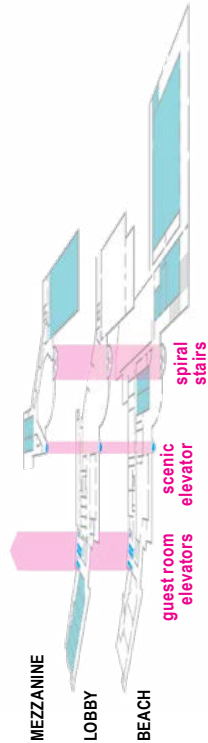
## LOGIN CREDENTIALS

Login credentials for the congress app and Attendee Hub are intended only for the registered physician attendee to access the ISHRS Virtual Edition of the 2022 World Congress. Each attendee email address may only be logged into one device at a time. Any additional attempts to login will remove the attendee from other devices.

## HOW TO LOG INTO ATTENDEE HUB

- 1 VISIT** <https://event.me/Ok3Lqx>
- 2 ENTER** your first name, last name, and the email address where you'd like your verification email sent and click next.
- 3 CHECK** your email (the address you entered on the previous screen) and **RETRIEVE** your verification code.
- 4 ENTER** the verification code on the webpage and click "Log in."

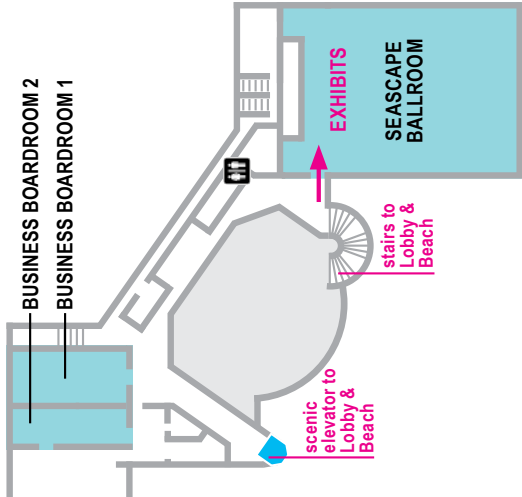




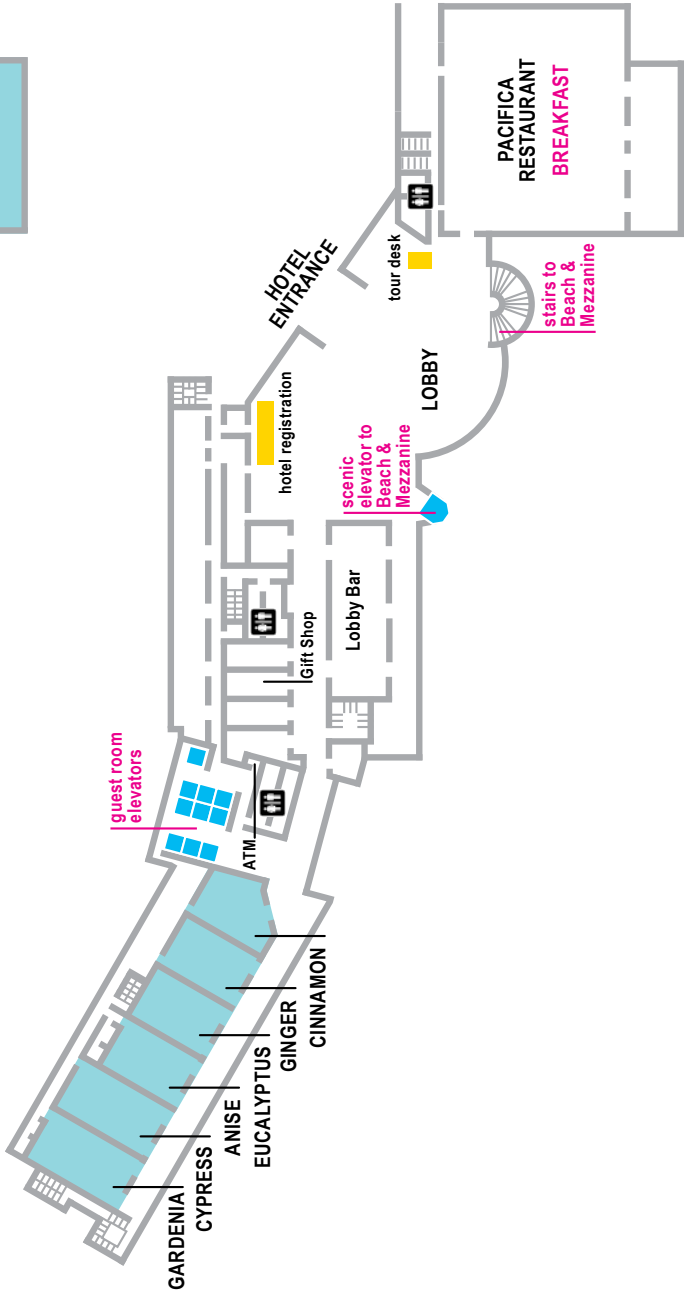
SCENIC ELEVATOR BUTTON KEY

- 1 Mezzanine
- L Lobby Level
- S Beach Level

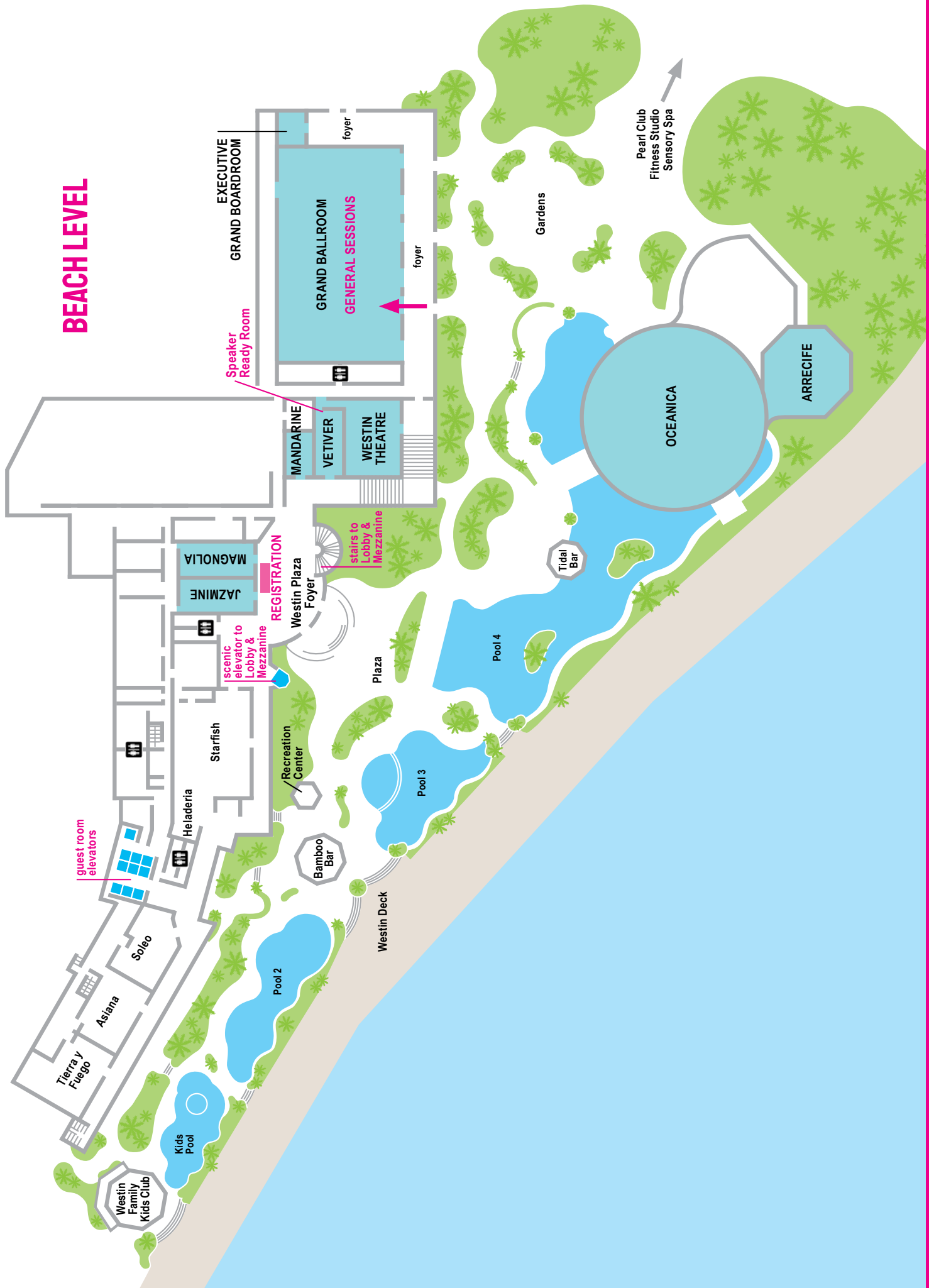
MEZZANINE LEVEL



LOBBY LEVEL









# PROGRAM AT-A-GLANCE



## MONDAY | OCTOBER 24, 2022

9:00AM-5:00PM **Ancillary Meeting: SILATC & AMETREC Live Surgery Workshop**

## TUESDAY | OCTOBER 25, 2022

7:30AM-1:00PM **Ancillary Meeting: ABHRS Primary Oral Exam**

9:00AM-5:00PM **Ancillary Meeting: SILATC & AMETREC Live Surgery Workshop**

3:00PM-7:00PM **Registration**  
Westin Plaza Foyer BEACH LEVEL

3:00PM-7:00PM **Speaker Ready Room Open**  
Vetiver BEACH LEVEL

## WEDNESDAY | OCTOBER 26, 2022

6:00AM-10:30AM **Breakfast on Own**  
Pacifica LOBBY LEVEL  
*Attendees should eat breakfast on their own prior to coming to sessions*

7:00AM-6:00PM **Registration**  
Westin Plaza Foyer BEACH LEVEL

7:00AM-6:00PM **Speaker Ready Room**  
Vetiver BEACH LEVEL

8:00AM-4:00PM **ISHRS Board of Governors Meeting**  
(invitation only)  
Business Boardroom 1 MEZZANINE LEVEL

8:00AM-5:00PM **401: Basics Course**  
Gardenia LOBBY LEVEL

8:00AM-12:30PM **402: Advanced/Board Review Course**  
Westin Theatre BEACH LEVEL

12:00PM-8:00PM **Exhibitor Set-Up**  
Seascape Ballroom MEZZANINE LEVEL

1:30PM-5:00PM **403: The Other Half of the Population: New Thinking for Female Hair Loss Diagnosis, Treatment and Surgical Restoration**  
Westin Theatre BEACH LEVEL

5:00PM-5:30PM **Moderators Meeting** (invitation only)  
Westin Grand Ballroom BEACH LEVEL

## THURSDAY | OCTOBER 27, 2022

6:00AM-10:30AM **Breakfast on Own**  
Pacifica LOBBY LEVEL  
*Attendees should eat breakfast on their own prior to coming to sessions*

7:00AM-6:30PM **Registration**  
Westin Plaza Foyer BEACH LEVEL

7:00AM-6:00PM **Speaker Ready Room**  
Vetiver BEACH LEVEL

7:15AM-8:30AM **Newcomers Orientation & Speed Networking**  
Arrecife BEACH LEVEL

8:30AM-7:30PM **Exhibits Viewing**  
Seascape Ballroom MEZZANINE LEVEL

8:30AM-9:00AM **Welcome Coffee**  
Seascape Ballroom MEZZANINE LEVEL

9:00AM-10:30AM **GENERAL SESSION 1**  
Westin Grand Ballroom BEACH LEVEL

10:30AM-11:00AM **Coffee Break & Visit Exhibits**  
Seascape Ballroom MEZZANINE LEVEL

11:00AM-12:30PM **GENERAL SESSION 2**  
Westin Grand Ballroom BEACH LEVEL

12:30PM-2:00PM **Lunch Buffet** *Available to All Attendees*  
Oceanica & Arrecife BEACH LEVEL

1:00PM-1:45PM **Fellowship Training Committee Meeting**  
Executive Grand Boardroom BEACH LEVEL

2:00PM-3:45PM **GENERAL SESSION 3**  
Westin Grand Ballroom BEACH LEVEL

3:45PM-4:15PM **Coffee Break & Visit Exhibits**  
Seascape Ballroom MEZZANINE LEVEL

4:15PM-6:00PM **GENERAL SESSIONS 4 & 5**  
Westin Grand Ballroom BEACH LEVEL

6:00PM-7:30PM **Welcome Reception**  
Seascape Ballroom MEZZANINE LEVEL

## FRIDAY | OCTOBER 28, 2022

6:00AM-10:30AM **Breakfast on Own**  
Pacifica LOBBY LEVEL  
*Attendees should eat breakfast on their own prior to coming to sessions*

7:00AM-6:00PM **Registration**  
Westin Plaza Foyer BEACH LEVEL

7:00AM-8:15AM **Women in Hair Restoration Surgery Breakfast Session**  
Westin Grand Ballroom BEACH LEVEL

7:00AM-6:30PM **Speaker Ready Room**  
Vetiver BEACH LEVEL

8:30AM-5:30PM **Exhibits Viewing**  
Seascape Ballroom MEZZANINE LEVEL

8:30AM-9:00AM **Welcome Coffee**  
Seascape Ballroom MEZZANINE LEVEL

## 9:00AM-10:30AM FOCUSED SESSION BANK 1

**101 – A to Z for FUE: Total, Partial, Non-shaven, and Preview Long Hair**  
Westin Theatre BEACH LEVEL

**102 – Max Grafts: Donor Planning for a Patient's Lifetime**  
Gardenia LOBBY LEVEL

**103 – Expert Diagnosis and Non-Surgical Management**  
Eucalyptus LOBBY LEVEL

**104 – Surgical Assistants Session**  
Arrecife BEACH LEVEL

**105 – Clinical Pearls to Achieve Best Results and Happy Patients: Rapid-fire Videos**  
Westin Grand Ballroom BEACH LEVEL

10:30AM-11:00AM **Coffee Break & Visit Exhibits**  
Seascape Ballroom MEZZANINE LEVEL

11:00AM-12:30PM **GENERAL SESSION 6**  
Westin Grand Ballroom BEACH LEVEL

12:30PM-1:00PM **Box Lunch** *Available to All Attendees*  
Westin Grand Ballroom Foyer BEACH LEVEL

## 1:00PM-2:30PM FOCUSED SESSION BANK 2

**111 – Reconstructive and Repair Cases**  
Eucalyptus LOBBY LEVEL

**112 – Biotin to Testosterone: Spotlight on Supplements**  
Westin Grand Ballroom BEACH LEVEL

**113 – Incisions and Placing: Preventing Graft Popping and Achieving Dense Packing with Natural Results**  
Westin Theatre BEACH LEVEL

**114 – Surgical Assistants Session**  
Arrecife BEACH LEVEL

**115 – Donor Harvest Options: Linear and FUE, Hybrid and FUE-LE**  
Gardenia LOBBY LEVEL

2:30PM-3:15PM **Coffee Break & Visit Exhibits**  
Seascape Ballroom MEZZANINE LEVEL

3:15PM-5:15PM **GENERAL SESSIONS 7 & 8**  
Westin Grand Ballroom BEACH LEVEL

5:45PM-7:45PM **121: ISHRS & ABHRS M&M Conference**  
Arrecife BEACH LEVEL

## SATURDAY | OCTOBER 29, 2022

6:00AM-10:30AM **Breakfast on Own**  
Pacifica LOBBY LEVEL  
*Attendees should eat breakfast on their own prior to coming to sessions*

8:30AM-4:00PM **Registration**  
Westin Plaza Foyer BEACH LEVEL

8:30AM-3:00PM **Speaker Ready Room**  
Vetiver BEACH LEVEL

8:30AM-2:30PM **Exhibits Viewing**  
Seascape Ballroom MEZZANINE LEVEL

8:30AM-9:00AM **Welcome Coffee**  
Seascape Ballroom MEZZANINE LEVEL

9:00AM-10:30AM **GENERAL SESSIONS 9 & 10**  
Westin Grand Ballroom BEACH LEVEL

10:30AM-11:00AM **Coffee Break & Visit Exhibits**  
Seascape Ballroom MEZZANINE LEVEL

11:00AM-12:30PM **GENERAL SESSION 11**  
Westin Grand Ballroom BEACH LEVEL

12:30PM-1:00PM **Box Lunch** *Available to All Attendees*  
Westin Grand Ballroom Foyer BEACH LEVEL

12:30PM-2:30PM **Last Chance to View Exhibits**  
Seascape Ballroom MEZZANINE LEVEL

12:45PM-1:30PM **GENERAL SESSION 12 Discussion Table Topics**  
Westin Grand Ballroom BEACH LEVEL

1:30PM-2:30PM **GENERAL SESSION 13 Open Dialogue – Congress's Best Topics**  
Westin Grand Ballroom BEACH LEVEL

2:30PM-3:30PM **Annual General Membership Business Meeting**  
Westin Grand Ballroom BEACH LEVEL

2:30PM-4:00PM **Live Patient Viewing**  
Ginger Foyer LOBBY LEVEL

2:30PM-5:30PM **Exhibits dismantle**  
Seascape Ballroom MEZZANINE LEVEL

3:45PM-5:00PM **CME Committee Meeting**  
(invitation only)  
Business Boardroom 1 MEZZANINE LEVEL

7:00PM-12:00AM **Gala Dinner & Awards Ceremony**  
Westin Grand Ballroom BEACH LEVEL



## MONDAY | OCTOBER 24, 2022

9:00AM-5:00PM **Ancillary Meeting: SILATC & AMETREC Meeting and Live Surgery Workshop**  
FOR MORE INFORMATION SEE PAGE 52



## TUESDAY | OCTOBER 25, 2022

9:00AM-5:30PM **Ancillary Meeting: SILATC & AMETREC Meeting and Live Surgery Workshop**

7:30AM-1:00PM **Ancillary Meeting: ABHRS Primary Exam**

3:00PM-7:00PM **Registration** | Westin Plaza Foyer BEACH LEVEL

3:00PM-7:00PM **Speaker Ready Room Open** | Vetiver BEACH LEVEL

## WEDNESDAY | OCTOBER 26, 2022

6:00AM-10:30AM **Breakfast on Own** | Pacifica LOBBY LEVEL (for hotel guests)  
*Attendees should eat breakfast on their own prior to coming to sessions*

7:00AM-6:00PM **Registration** | Westin Plaza Foyer BEACH LEVEL

7:00AM-6:00PM **Speaker Ready Room** | Vetiver BEACH LEVEL

8:00AM-4:00PM **ISHRS Board of Governors Meeting** (invitation only)  
| Business Boardroom 1 MEZZANINE LEVEL

8:00AM-5:00PM **401: Basics Course** | Gardenia LOBBY LEVEL

8:00AM-12:30PM **402: Advanced/Board Review Course** | Westin Theatre BEACH LEVEL

12:00PM-8:00PM **Exhibitor Set-Up** | Seascape Ballroom MEZZANINE LEVEL

1:30PM-5:00PM **403: The Other Half of the Population: New Thinking for Female Hair Loss Diagnosis, Treatment and Surgical Restoration**  
| Westin Theatre BEACH LEVEL

5:00PM-5:30PM **Moderators Meeting** (invitation only) | Westin Grand Ballroom BEACH LEVEL

# DAY-BY-DAY PROGRAM

DAY-BY-DAY PROGRAM | MONDAY | TUESDAY | WEDNESDAY



American Board Of  
Hair Restoration Surgery

**ABHRS Primary Exam &  
Recertification Exam**

### ABHRS PRIMARY EXAMINATION

**2022 ORAL EXAMINATION** **TUESDAY • OCTOBER 25, 2022**  
7:30AM-1:00PM • WESTIN PLAYA BONITA

**2023 ORAL EXAMINATION** **WEDNESDAY • FEBRUARY 22, 2023**  
7:30AM-1:00PM • BAHAWALPUR, PAKISTAN

**WRITTEN EXAMINATION** **SATURDAY • JANUARY 7, 2023**  
7:30AM-1:00PM • Virtual via *ProProctor*, a computer-based testing platform from your home or office computer

FOR THOSE INTERESTED IN APPLYING FOR PRIMARY CERTIFICATION, please obtain additional details at: <http://www.abhrs.com/certification-process>

FOR THOSE ABHRS DIPLOMATES WHO WERE BOARD CERTIFIED IN 2013, to maintain certification, you must register for the computer-based Recertification Exam. Details may be found at: <http://www.abhrs.com/recertification>

### FOR FURTHER INFORMATION AND TO REGISTER, CONTACT:

American Board of Hair Restoration Surgery (ABHRS)  
Central Office  
8840 Calumet Avenue, Suite 205  
Munster, IN 46321 USA  
TEL 1-219-836-5858  
E-MAIL [info@abhrs.org](mailto:info@abhrs.org)  
[www.abhrs.org](http://www.abhrs.org)

NOTE: This information is being printed as a courtesy. The ABHRS is a separate organization than the ISHRS. All questions and registrations for the ABHRS should be directed to the ABHRS.



S. Wasserbauer



N. Farjo



V. Ceh



M. Avram



A. Dua



V. Jayaprakash



S. Keene



M. H. Mohmand



P. Panagotacos



M. Schambach



B. Wolf



G. Zontos

## THURSDAY | OCTOBER 27, 2022

6:00AM-10:30AM	<b>Breakfast on Own</b>   Pacifica LOBBY LEVEL (for hotel guests) <i>Attendees should eat breakfast on their own prior to coming to sessions</i>
7:00AM-6:30PM	<b>Registration</b>   Westin Plaza Foyer BEACH LEVEL
7:00AM-6:00PM	<b>Speaker Ready Room</b>   Vetter BEACH LEVEL
7:15AM-8:30AM	<b>Newcomers Orientation &amp; Speed Networking</b>   Arrecife BEACH LEVEL
8:30AM-7:30PM	<b>Exhibits Viewing</b>   Seascape Ballroom MEZZANINE LEVEL
8:30AM-9:00AM	<b>Welcome Coffee</b>   Seascape Ballroom MEZZANINE LEVEL
9:00AM-10:30AM	<b>GENERAL SESSION 1</b> <b>Donor Harvest: State of the World Industry</b>   Westin Grand Ballroom BEACH LEVEL
9:00AM-9:07AM	<b>7 Welcome &amp; Introduction</b> GS-001 Sara M. Wasserbauer, MD, FISHRS, Program Chair   USA
9:08AM-9:15AM	<b>7 President's Address</b> GS-002 Nilofer P. Farjo, MBChB, FISHRS   United Kingdom
9:16AM-9:23AM	<b>7 Tips for a Successful Congress Experience</b> GS-003 Victoria Ceh, MPA, ISHRS Executive Director   USA
9:24AM-9:29AM	<b>5 Moderator Introduction: Donor Harvest – State of the World Industry</b> GS-004 Marc R. Avram, MD, FISHRS   USA GS-005 CO-MODERATOR Aman Dua, MBBS, MD, FISHRS   India
9:30AM-9:35AM	<b>5 Advances in Medical and Surgical Hair Restoration in the Past 50 Years</b> GS-006 Peter Panagotacos, MD   USA
9:35AM-9:40AM	<b>5 Non-Shaven or Long Hair FUE Technique Using a 0.85mm Motorized Flared Punch: How to Extract 1000 Grafts in Hour with Minimum Transection Rate</b> GS-007 Georgios Zontos, MD, PhD, FISHRS   Denmark
9:40AM-9:45AM	<b>5 Tips, Tricks and Treasures Found to Improve and Master Preview-Long-Hair FUE</b> GS-008 Marie A. Schambach, MD, FISHRS   Guatemala
9:45AM-9:50AM	<b>5 Role of Linear Scar Strip Surgery in the World of Follicular unit Excision: The Future</b> GS-009 Mohammad Humayun Mohmand, MD, FISHRS   Pakistan
9:51AM-9:58AM	<b>7 Occipital Scalp Strip Excision Donor Harvesting Technique</b> GS-010 Bradley R. Wolf, MD, FISHRS   USA
9:59AM-10:04AM	<b>5 Jackson Pollock and the Art of FUE</b> GS-011 Vikram Jayaprakash, MD   Australia
10:05AM-10:10AM	<b>5 FUE-LE</b> GS-012 Sharon A. Keene, MD, FISHRS   USA
10:10AM-10:30AM	<b>20 Discussion, Questions &amp; Answers</b>
10:30AM-11:00AM	<b>Coffee Break &amp; Visit Exhibits</b>   Seascape Ballroom MEZZANINE LEVEL

### NEWCOMERS PROGRAM

This program is designed to help our newest ISHRS meeting attendees become acquainted with the Society, its members, and the field. Newcomers are paired with Member Hosts prior to the meeting and with an option to extend the collegial relationship for 2 years as an informal mentorship relationship. Pairs are encouraged to communicate prior to the meeting via phone or email, to attend the Newcomers Orientation & Speed Networking session, to sit together at the Thursday opening session, and for the host to make the newcomer feel welcome by introducing him/her to other ISHRS members.



## THURSDAY | OCTOBER 27, 2022

<b>11:00AM-12:30PM</b>	<b>GENERAL SESSION 2</b> <b>Grafts and Implanters: Recipient Area State of the Art</b>   Westin Grand Ballroom BEACH LEVEL
<b>11:00AM-11:02AM</b>	<b>2 Moderator Introduction</b>
<b>GS-013</b>	Marie A. Schambach, MD, FISHRS   Guatemala
<b>GS-014</b>	CO-MODERATOR Conradin von Albertini, MD, FISHRS   Switzerland
<b>11:02AM-11:22AM</b>	<b>20 Operation Restore:</b> <b>Changing Lives and Changing Our World for the Better</b>
<b>GS-015</b>	E. Antonio Mangubat, MD   USA
<b>GS-016</b>	Luis Ortega, MD   Ecuador
<b>GS-017</b>	Maria Victoria Porras, MD   Ecuador
<b>11:22AM-11:27AM</b>	<b>5 Questions &amp; Answers</b>
<b>11:27AM-11:32AM</b>	<b>5 My Approach of FUE Surgery with Curly Hairs</b> <b>Using a Classification of Follicle, Curvature and Curl</b>
<b>GS-018</b>	Alba Reyes, MD   Dominican Republic
<b>11:32AM-11:37AM</b>	<b>5 Using Sharp Implanters in Patients with Kinky Ethnic Hair</b>
<b>GS-019</b>	Maxim Chumak, MD   USA
<b>11:38AM-11:43AM</b>	<b>5 Two Follicle Survival Studies of Chubby FU Grafts with</b> <b>No Removal of Surrounding Dermal Tissue</b> <b>RECORDED PRESENTATION</b>
<b>GS-020</b>	Kazuhito Yamamoto, MD, PhD   Japan
<b>11:43AM-11:48AM</b>	<b>5 Transection Study - Comparison of 0.8mm and 0.9mm Punches</b>
<b>GS-021</b>	Maria Asensi Bertomeu, MD   Spain
<b>11:49AM-11:54AM</b>	<b>5 Forceps Assisted Implanter Insertion in Pre-Made Slits</b>
<b>GS-022</b>	Kongkiat Laorwong, MD, FISHRS   Thailand
<b>11:55AM-12:00PM</b>	<b>5 Types of Trauma During Grafts Implantation with Forceps and</b> <b>Premade Sites: Errors and Solutions</b>
<b>GS-023</b>	Igor Bottura, MD   Brazil
<b>12:00PM-12:05PM</b>	<b>5 Strategy of Implantation Using a Multi-Implanter</b>
<b>GS-024</b>	Moonkyu Kim, MD, PhD, FISHRS   South Korea
<b>12:05PM-12:30PM</b>	<b>25 Discussion, Questions &amp; Answers</b>
<b>12:30PM-2:00PM</b>	<b>Lunch Buffet Available</b>   Oceanica & Arrecife BEACH LEVEL
<b>1:00PM-1:45PM</b>	<b>Fellowship Training Committee Meeting</b> (invitation only)   Executive Grand Boardroom BEACH LEVEL

## ISHRS MEETING NEWCOMERS PROGRAM

DATE Thursday | October 27, 2022

TIME 7:15AM-8:30AM

FEE No extra fee required.  
Pre-registration is mandatory.

LOCATION Arrecife BEACH LEVEL

CHAIR  
Marcio Crisóstomo, MD, FISHRS | Brazil

### NEWCOMERS ORIENTATION & SPEED NETWORKING SESSION

The Newcomers Orientation & Speed Networking Session will provide an overview about the ISHRS and suggestions & tips about how to get the most out of the meeting. A speed networking session will take place so newcomers may meet several long-standing ISHRS members. It is a wonderful opportunity to meet new people, ask questions, and become more familiar with what the ISHRS has to offer.



M. Crisóstomo

# GS2

DAY-BY-DAY PROGRAM | THURSDAY



M. Schambach



C.von Albertini



M. Asensi



I. Bottura



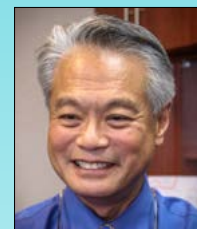
M. Chumak



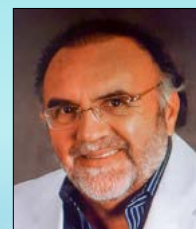
M. Kim



K. Laorwong



E. A. Mangubat



L. Ortega



M. Porras



A. Reyes



K. Yamamoto



R. Haber



S. Malhotra



J. Anders



G. Guerrero-Gonzalez



M. Leavitt



R. Panchaprateep



P. Ramos



A. Ruston



M. Yanagisawa

## THURSDAY | OCTOBER 27, 2022

2:00PM-3:45PM

## GENERAL SESSION 3

## Is Surgery Obsolete?

## How to Medically Manage Hair to Grow Without Surgery

| Westin Grand Ballroom BEACH LEVEL

2:00PM-2:02PM

GS-025

GS-026

## 2 Moderator Introduction

Robert S. Haber, MD, FISHRS | USA

CO-MODERATOR Shalini Malhotra, MBBS, DNB | India

2:03PM-2:08PM

GS-027

## 5 Introduction of Leadership Lecture and 2022 Honoree:

## Marcelo Gandelman, MD

Matt L. Leavitt, DO | USA

2:09PM-2:29PM

GS-028

## 20 Photobiomodulation Therapy for the Treatment of Hair Loss

## FEATURED GUEST SPEAKER: LEADERSHIP LECTURE

Juanita J. Anders, PhD | USA

2:30PM-2:37PM

GS-029

## 7 Light for Hair Growth

Robert S. Haber, MD, FISHRS | USA

2:38PM-2:43PM

## 5 Discussion, Questions &amp; Answers

2:43PM-3:03PM

GS-030

## 20 Oral Minoxidil for Hair Loss: Update and Perspectives

## FEATURED GUEST SPEAKER: STOUGH LECTURE

Paulo Müller Ramos, MD, PhD | Brazil

3:03PM-3:08PM

GS-031

## 5 A Randomized, Non-Inferiority Trial of Oral Minoxidil 1.25mg

## Versus 5% Topical Minoxidil Solution in the Treatment of Female Pattern Hair Loss

Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand

3:09PM-3:14PM

## 5 Discussion, Questions &amp; Answers

3:14PM-3:19PM

GS-032

## 5 Long-term (over 10 year) Evaluation of Efficacy and Safety of Finasteride in Japanese Men with Androgenetic Alopecia;

## Summary of 3 Investigations RECORDED PRESENTATION

Masayuki Yanagisawa, MD, PhD | Japan

3:20PM-3:27PM

GS-033

## 7 Finasteride Effects for Transplants RECORDED PRESENTATION

Antonio S. Ruston, MD, FISHRS | Brazil

3:28PM-3:33PM

GS-034

## 5 Medium-term Results of a Hair Restoration Surgery Without Accompanying Medical Therapy in Young Patients: A New Fight to Fight

Guillermo Guerrero-Gonzalez, MD | Mexico

3:35PM-3:45PM

## 12 Discussion, Questions &amp; Answers

3:45PM-4:15PM

## Coffee Break &amp; Visit Exhibits | Seascape Ballroom MEZZANINE LEVEL



# THURSDAY | OCTOBER 27, 2022

4:15PM-5:10PM	<b>GENERAL SESSION 4</b> <b>The Art of Hairline Design</b>   Westin Grand Ballroom BEACH LEVEL
4:15PM-4:17PM	<b>2 Moderator Introduction</b>
<b>GS-035</b>	Ronald L. Shapiro, MD, FISHRS   USA
<b>GS-036</b>	CO-MODERATOR Mauro Speranzini, MD   Brazil
4:17PM-4:22PM	<b>5 The Art of Hairlines</b>
<b>GS-037</b>	Mauro Speranzini, MD   Brazil
4:23PM-4:28PM	<b>5 World Hairlines</b>
<b>GS-038</b>	Emorane Lupanzula, MD   Belgium
4:29PM-4:34PM	<b>5 The Importance of the Preview Long Hair Concept in Creating Hairlines</b>
<b>GS-039</b>	Fernando T. Basto, Jr., MD, FISHRS   Brazil
4:35PM-5:10PM	<b>30 Hairline Panel &amp; Discussion</b>
	PANELISTS
<b>GS-040</b>	Laura Caicedo Albarello, MD   Spain
<b>GS-041</b>	Robert P. Niedbalski, DO, FISHRS   USA
<b>GS-042</b>	Lauren Saltzburg, DO, MBA, MA   USA

# GS4

DAY-BY-DAY PROGRAM | THURSDAY



R. Shapiro



M. Speranzini



C. Caicedo Albarello



F. Basto



E. Lupanzula



R. Niedbalski



L. Saltzburg





D. Stough



M. Barusco



M. Avram



F. Jimenez



G. Martins



J. Park



A. Wells



K. Williams

## THURSDAY | OCTOBER 27, 2022

5:15PM-6:00PM

### GENERAL SESSION 5

#### Optimizing Ergonomics and Positioning in Hair Surgery

| Westin Grand Ballroom BEACH LEVEL

5:15PM-5:17PM

GS-043

GS-044

GS-045

### 2 Moderator Introduction

Dow B. Stough, MD | USA

CO-MODERATOR Marco N. Barusco, MD, FISHRS | USA

PANELIST Marc R. Avram, MD, FISHRS | USA

5:17PM-5:22PM

GS-046

### 5 Musculoskeletal Disorders in Hair Surgeons: Descriptive and Cross-Sectional Analyses of Survey Data

Francisco Jimenez, MD, FISHRS | Spain

5:23PM-5:28PM

GS-047

### 5 Musculoskeletal Consequences of Performing Hair Transplant Surgery

Ken L. Williams, Jr., DO, FISHRS | USA

5:29PM-5:34PM

GS-048

### 5 Ergonomics of Hair Surgery

Jae-Hyun Park, MD, PhD, FISHRS | South Korea

5:35PM-5:40PM

GS-049

### 5 Ergonomics in Hair Transplantation

Alan Wells, MD | Brazil

5:40PM-5:45PM

GS-050

### 5 Asthenopia and Visual Ergonomics in Hair Transplant Surgery

Gustavo Martins, MD | Brazil

5:45PM-6:00PM

### 15 Discussion, Questions & Answers

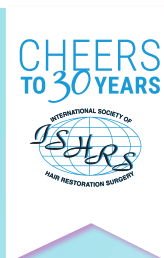
6:00PM-7:30PM

### Welcome Reception | Seascape Ballroom MEZZANINE LEVEL

7:30PM-10:30PM

### Caribbean Tropical Party Night by Pool & On Beach (not an ISHRS event)

On Thursday nights the Westin Playa Bonita offers its guests a Caribbean Tropical Party on the pool deck and beach, with live music, self-pay food, and bar beverages. A tropical show will take place at 8:30PM.



## Welcome RECEPTION

**Join us** in the Exhibit Hall to toast to 30 Years of the ISHRS! After the first day of the meeting, gather in the exhibit hall to connect with your colleagues, meet new friends, and celebrate being together in Panama.

DATE Thursday | October 27, 2022

TIME 6:00PM-7:30PM

FEE No extra fee required.

LOCATION ISHRS Exhibit Hall  
Seascape Ballroom  
MEZZANINE LEVEL

This event is open to all meeting attendees, their guests, and exhibitors.



## FRIDAY | OCTOBER 28, 2022

6:00AM-10:30AM	<b>Breakfast on Own</b>   Pacifica LOBBY LEVEL (for hotel guests) <i>Attendees should eat breakfast on their own prior to coming to sessions</i>
7:00AM-8:15AM	<b>Women in Hair Restoration Surgery Breakfast</b>   Westin Grand Ballroom BEACH LEVEL
7:00AM-6:00PM	<b>Registration</b>   Westin Plaza Foyer BEACH LEVEL
7:00AM-6:30PM	<b>Speaker Ready Room</b>   Vetiver BEACH LEVEL
8:30AM-5:30PM	<b>Exhibits Viewing</b>   Seascape Ballroom MEZZANINE LEVEL
8:30AM-9:00AM	<b>Welcome Coffee</b>   Seascape Ballroom MEZZANINE LEVEL
9:00AM-10:30AM	<b>FOCUSED SESSION BANK 1</b>
	<b>101 – A to Z for FUE: Total, Partial, Non-shaven, and Preview Long Hair</b>   Westin Theatre BEACH LEVEL
	<b>102 – Max Grafts: Donor Planning for a Patient's Lifetime</b>   Gardenia LOBBY LEVEL
	<b>103 – Expert Diagnosis and Non-Surgical Management</b>   Eucalyptus LOBBY LEVEL
	<b>104 – Surgical Assistants Session</b>   Arrecife BEACH LEVEL
	<b>105 – Clinical Pearls to Achieve Best Results and Happy Patients: Rapid-fire Videos</b>   Westin Grand Ballroom BEACH LEVEL
10:30AM-11:00AM	<b>Coffee Break &amp; Visit Exhibits</b>   Seascape Ballroom MEZZANINE LEVEL
11:00AM-12:30PM	<b>GENERAL SESSION 6</b>   Westin Grand Ballroom BEACH LEVEL
1:00PM-2:30PM	<b>FOCUSED SESSION BANK 2</b>
	<b>111 – Reconstructive and Repair Cases</b>   Eucalyptus LOBBY LEVEL
	<b>112 – Biotin to Testosterone: Spotlight on Supplements</b>   Westin Grand Ballroom BEACH LEVEL
	<b>113 – Incisions and Placing: Preventing Graft Popping and Achieving Dense Packing with Natural Results</b>   Westin Theatre BEACH LEVEL
	<b>114 – Surgical Assistants Session</b>   Arrecife BEACH LEVEL
	<b>115 – Donor Harvest Options: Linear and FUE, Hybrid and FUE-LE</b>   Gardenia LOBBY LEVEL
2:30PM-3:15PM	<b>Coffee Break &amp; Visit Exhibits</b>   Seascape Ballroom MEZZANINE LEVEL
3:15PM-5:15PM	<b>GENERAL SESSIONS 7 &amp; 8</b>   Westin Grand Ballroom BEACH LEVEL
5:45PM-7:45PM	<b>121: ISHRS &amp; ABHRS M&amp;M Conference</b>   Arrecife BEACH LEVEL

## WOMEN IN HAIR RESTORATION SURGERY BREAKFAST SESSION

Friday | October 28, 2022

7:00AM-8:15AM

Westin Grand Ballroom BEACH LEVEL

Physicians Only; No extra fee.

CHAIR

Aman Dua, MBBS, MD, FISHRS | India

INVITED SPEAKER

**My Journey as a  
Hair Transplant  
Surgeon and  
Lessons Learned**

Sharon A. Keene, MD, FISHRS  
ISHRS 2014-15 President



### Wear pink!

The Women in ISHRS Task Force (WISHRS) has developed this inaugural session with the goal to enable women hair restoration surgeons to develop their individual potential as professionals and to promote an environment within the ISHRS that fosters inclusion, respect, and success.

This session is meant to be inspirational, educational, and foster friendships and connections. During the session, the WISHRS will assess interest by the membership to continue and/or expand this initiative.

Program developed by the members of the Women in ISHRS Task Force:

Aman Dua, MBBS, MD, FISHRS, Chair | India  
Nilofer Farjo, MBChB, FISHRS | United Kingdom  
Seema Garg, MBBS, MSc, FISHRS | India  
Rachael L. Kay, MBChB | United Kingdom  
Nicole E. Rogers, MD, FISHRS | USA  
Sara L. Salas, MD | Mexico  
Marie A. Schambach, MD, FISHRS | Guatemala



# WISHRS



O. Boaventura



M. Schambach



J. Harris



K. Manonukul



L. Moncada



A. Vekris

## FRIDAY | OCTOBER 28, 2022

9:00AM-10:30AM

**FS 101: A to Z for FUE: Total, Partial, Non-shaven, and Preview Long Hair | Westin Theatre BEACH LEVEL**

## SESSION DESCRIPTION

In this session you will find all the different aspects of the existing FUE techniques: from traditional total shave to partial shave, non-shaven, and the most advanced preview long hair FUE. It will not only have a discussion of the techniques per se, but the reasoning of why one or the other technique should be used. We will also be discussing 4 cases in different scenarios to deeply analyze with everyone which technique can or should be done.

LEVEL All Levels – Physicians Only

## CO-DIRECTORS

Otavio Boaventura, MD | Brazil

Marie A. Schambach, MD, FISHS | Guatemala

## FACULTY

James A. Harris, MD, FISHS | USA

Kotchamol Manonukul, MD | Thailand

Leoncio E. Moncada, MD | Venezuela

Anastasios Vekris, MD | Greece

9:00AM-9:08AM

FS-001

FS-002

**2 Welcome & Introduction**

Otavio Boaventura, MD | Brazil

Marie A. Schambach, MD, FISHS | Guatemala

9:02AM-9:12AM

FS-003

**10 Total Shaved FUE**

Anastasios Vekris, MD | Greece

9:12AM-9:22AM

FS-004

**10 Partial Shaved FUE**

Leoncio E. Moncada, MD | Venezuela

9:22AM-9:32AM

FS-005

**10 Non-Shaved Pre-Cut FUE**

James A. Harris, MD, FISHS | USA

9:32AM-9:42AM

FS-006

**10 Long Hair Preview FUE**

Kotchamol Manonukul, MD | Thailand

9:42AM-9:50AM

**8 Discussion, Questions & Answers**

9:50AM-10:30AM

**40 Case Presentations and Discussion**

All Faculty



<b>9:00AM-10:30AM</b>	<b>FS 102: Max Grafts: Donor Planning for a Patient's Lifetime</b>   Gardenia LOBBY LEVEL
	<p>SESSION DESCRIPTION</p> <p>This session will focus on the ever-important evaluation and use of the donor area. Donor area measurement and the ability to maximize graft numbers over a patient's lifetime will be discussed. The benefit of combining the FUT and FUE techniques along with body hair will also be covered. Participants are encouraged to interact, sharing their own views on the evaluation, care, and use of this limited resource.</p> <p>LEVEL Intermediate – Physicians Only</p>
	<p>CO-DIRECTORS</p> <p>Márcio Crisóstomo, MD, FISHRS   Brazil David S. Josephitis, DO, FISHRS   USA</p> <p>FACULTY</p> <p>Bruno F. Ferreira, MD   Portugal Anil K. Garg, MBBM, MS, MCh, FISHRS   India M. Humayun Mohmand, MD, FISHRS   Pakistan Pradeep Sethi, MD, FISHRS   India</p>
<b>9:00AM-9:08AM</b> <b>FS-007</b>	<b>8 Welcome &amp; Introduction</b> David S. Josephitis, DO, FISHRS   USA
<b>9:08AM-9:20AM</b> <b>FS-008</b>	<b>12 Measuring the Donor: Coverage Value (CV)-Who, How &amp; When</b> Bruno F. Ferreira, MD   Portugal
<b>9:20AM-9:26AM</b>	<b>6 Capacity of the Donor: FUT and FUE Over Time for Max Donor</b> David S. Josephitis, DO, FISHRS   USA
<b>9:26AM-9:32AM</b> <b>FS-009</b>	<b>6 Combining Techniques: Using FUT and FUE at the Same Time</b> Márcio Crisóstomo, MD, FISHRS   Brazil
<b>9:32AM-9:40AM</b> <b>FS-010</b>	<b>8 Finding More Donor: Use of Scalp and Body Hair</b> Pradeep Sethi, MD, FISHRS   India
<b>9:40AM-9:50AM</b> <b>FS-011</b>	<b>10 Donor Planning &amp; Safety: FUE, The Conflict of Interest!</b> M. Humayun Mohmand, MD, FISHRS   Pakistan
<b>9:50AM-10:00AM</b> <b>FS-012</b>	<b>10 Sources of Donor: Max Use of Grafts with Scalp and Body Hair</b> Anil K. Garg, MBBS, MS, MCh, FISHRS   India
<b>10:00AM-10:28AM</b>	<b>28 Panel Discussion, Questions and Answers</b> All Faculty
<b>10:28AM-10:30AM</b>	<b>2 Wrap-Up and Concluding Remarks</b> Márcio Crisóstomo, MD, FISHRS   Brazil



M. Crisostomo



D. Josephitis



B. Ferreira



A. Garg



M.H. Mohmand



P. Sethi





E. Lupanzula



L. Nader



S. Garg



F. Jimenez



A. Osei-Tutu



R. Panchaprateep



N. E. Rogers



M. Singh



R. Unger



S. Vano Galvan

## FRIDAY | OCTOBER 28, 2022

9:00AM-10:30AM

**FS 103: Expert Diagnosis and Non-Surgical Management**  
| Eucalyptus LOBBY LEVEL

## SESSION DESCRIPTION

Before hair transplant surgery is undertaken, scalp conditions or diseases need to be assessed and ruled out, as they can ultimately cause poor results. This session will cover the assessment of such possible scalp conditions with further recommendations on treatments.

LEVEL All Levels – Physicians Only

FS-013

FS-014

## CO-DIRECTORS

Emorane Lupanzula, MD | Belgium

Luis Nader, MD | Mexico

## FACULTY

Francisco Jimenez, MD, FISHRS | Spain

Leoncio E. Moncada, MD | Venezuela

Achiamah Osei-Tutu, MD | USA

Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand

Nicole E. Rogers, MD, FISHRS | USA

Meena Singh, MD | USA

Robin Unger, MD | USA

Sergio Vano Galvan, MD, PhD | Spain

9:00AM-9:02AM

**2 Welcome & Introduction**

Emorane Lupanzula, MD | Belgium

9:02AM-9:10AM

FS-015

**8 Antiaging and Hair Growth**

Nicole E. Rogers, MD, FISHRS | USA

9:11AM-9:19AM

FS-016

**8 Dermoscopy for Hair Restoration Surgeons**

Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand

9:20AM-9:28AM

FS-017

FS-018

**8 CCCA: Up-to-Date Diagnosis and Treatment**

Achiamah Osei-Tutu, MD | USA

Meena Singh, MD | USA

9:29AM-9:39AM

**10 Discussion, Questions & Answers**

9:39AM-9:47AM

FS-019

**8 LPP and FFA** **RECORDED PRESENTATION**

Robin Unger, MD | USA

9:48AM-9:56AM

FS-020

**8 Oral & Topical Finasteride**

Francisco Jimenez, MD FISHRS | Spain

9:57AM-10:04AM

FS-021

**8 Medical Treatment of AGA: Update in 2022** **RECORDED PRESENTATION**

Sergio Vano Galvan, MD, PhD | Spain

10:04AM-10:12AM

FS-022

**8 PRP**

Seema Garg, MBBS, MSc, FISHRS | India

10:13AM-10:30AM

**17 Discussion, Questions & Answers**



9:00AM-10:30AM

**FS 104: Surgical Assistants Session**

| Arrecife BEACH LEVEL

SESSION DESCRIPTION

This is the first of two focused sessions designed to educate, inspire, and bring together technicians from around the world. This morning, a series of didactic presentations by assistants and surgeons will help participants develop skills and strategies within the work environment, finishing up with an inspirational speaker. The afternoon session will feature roundtable discussion topics and informal networking. warm welcome back after these challenging few years! We start off the surgical assistants programme with the first of two focused sessions. These sessions are meant to educate, inspire, and bring together technicians from around the world. The morning session consists of presentations which focus on developing skills and strategies within your work environment.

LEVEL All Levels – All Categories

SURGICAL ASSISTANT CO-CHAIR

Laura Krys, RN | Spain

FACULTY

Igor Azvedo Bottura, MD | Brazil

Laura Burdine | USA

Aman Dua, MBBS, MD, FISHRS | India

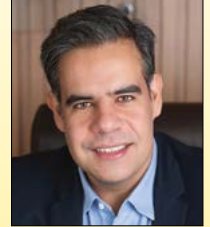
Sam Gaffey | United Kingdom

Damkerng Pathomvanich, MD, FISHRS | Thailand

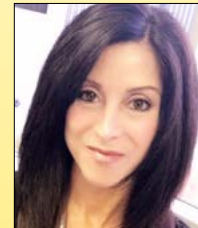
Mauro Speranzini, MD, FISHRS | Brazil



L. Krys



I. Azvedo Bottura



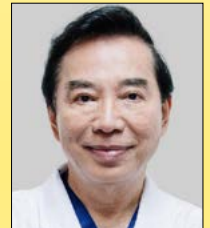
L. Burdine



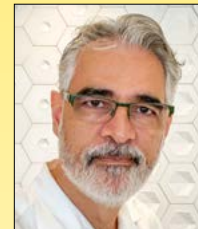
A. Dua



S. Gaffey



D. Pathomvanich



M. Speranzini

9:00AM-9:05AM

FS-023

**5 Welcome & Introduction**

Laura Krys, RN | Spain

9:05AM-9:19AM

**14 Types of Trauma During Grafts Implantation with Forceps and Premade Sites: Errors and Solutions**

Igor Azvedo Bottura, MD | Brazil

9:19AM-9:29AM

FS-024

**10 Record Keeping: Why and How**

Laura Burdine | USA

9:29AM-9:43AM

FS-025

**14 15 Steps to Pull a Graft**

Mauro Speranzini, MD, FISHRS | Brazil

9:43AM-9:57AM

FS-026

**14 How to Manage Intraoperative Slippery Grafts**

RECORDED PRESENTATION

Damkerng Pathomvanich, MD, FISHRS | Thailand

9:57AM-10:11AM

FS-027

**14 Patient Communication: Pre-Op Calls & Post-Op Talks**

Sam Gaffey | United Kingdom

10:11AM-10:25AM

FS-028

**14 Inspirational Speaker**

Aman Dua, MBBS, MD, FISHRS | India

10:25AM-10:30AM

**5 Discussion, Questions and Answers**





S. Lam



A. Tykocinski

## FRIDAY | OCTOBER 28, 2022

9:00AM-10:30AM

**FS 105: Clinical Pearls to Achieve Best Results and Happy Patients: Rapid-fire Videos** | Westin Grand Ballroom BEACH LEVELSPANISH  
TRANSLATION  
AVAILABLE

## SESSION DESCRIPTION

This 90-minute session will be comprised of short 1-to-4-minute rapid-fire videos that are highly practical in nature offering clinical pearls. Whether surgical or non-surgical to enhance and to grow your clinical practice. The videos will be grouped into related topics and there will be short discussions to follow. This course will be a not-to-miss event, which should be both very captivating and highly educational in nature.

LEVEL All Levels – All Categories

FS-029  
FS-030

## CO-DIRECTORS

Samuel M. Lam, MD, FISHRS | USA

Arthur Tykocinski, MD, FISHRS | Brazil

**Part 1: Operative/Office Set-up & Flow Pearls****Part 2: Anesthesia Pearls****Part 3: Harvesting Pearls****Part 4: Recipient Site Pearls****Part 5: Graft Placement Pearls****Bonus: Additional Pearls** will be available on-demand

## VIDEO CONTRIBUTORS

Conradin von Albertini, MD, FISHRS | Switzerland

Mughese M. Amin, MBBS | Pakistan

Konstantinos Anastassakis, MD, PhD, FISHRS | Greece

Marco N. Barusco, MD, FISHRS | USA

Leila D. Bloch, MD | Brazil

Otavio Boaventura, MD | Brazil

Jerry E. Cooley, MD, FISHRS | USA

Jean M. Devroye, MD, FISHRS | Belgium

Kapil Dua, MBBS, MS, FISHRS | India

Vance W. Elliott, MD, FISHRS | Canada

Shady El-Maghraby, MD, MSc, FISHRS | Egypt

Gorana Kuka Epstein, MD, FISHRS | Serbia

Bessam K. Farjo, MBChB, FISHRS | United Kingdom

(with Nilofer P. Farjo, MBChB, FISHRS | United Kingdom)

Anil K. Garg, MBBS, MS, MCh, FISHRS | India

Seema Garg, MBBS, MSc, FISHRS | India

Alex Ginzburg, MD, FISHRS | Israel

Christine Graf Guimaraes, MD | Brazil

Robert S. Haber, MD, FISHRS | USA

Chiara Insalaco, MD, PhD | Italy

Rana M. Irfan, MBBS, FISHRS | Pakistan

Francisco Jimenez, MD, FISHRS | Spain

David S. Josephitis, DO, FISHRS | USA

Sharon A. Keene, MD, FISHRS | USA

Jennifer Krejci, MD | USA

Samuel M. Lam, MD, FISHRS | USA

Carlos Leao, MD | Brazil

Francisco Le Voci, MD | Brazil

E. Antonio Mangubat, MD | USA

Shalini Malhotra, MBBS, DNB | India

Daniel G. McGrath, DO, FISHRS | USA

Ricardo Mejia, MD | USA

Parsa Mohebi, MD, FISHRS | USA

M. Humayun Mohmand, MD, FISHRS | Pakistan

Leoncio E. Moncada, MD | Venezuela

Maria Muricy, MD | Brazil

Marwan Noureldin, MD, MSc | Egypt

Jae-Hyun Park, MD, PhD | South Korea

Marcelo Pitchon, MD | Brazil

Carlos Portinha, MD | Portugal

Henrique N. Radwanski, MD | Brazil

(with his colleague Ito Meireles, MD | Brazil)

Alba V. Reyes, MD, FISHRS | Dominican Republic

Rene A. Rodriguez, MD | Columbia

Sara L. Salas, MD | Mexico

Marie A. Schambach, MD, FISHRS | Guatemala

Luciano Scaccia, MD | United Kingdom

Jasvinder Singh, MBBS, FISHRS | Malaysia

Mauro Speranzini, MD, FISHRS | Brazil

Luciana Takata Pontes, MD | Brazil

(with Antonio S. Ruston, MD | Brazil)

Piero Tesaro, MD | Italy

Luis Roberto Trivellini, MD, FISHRS | Spain

Akaki Tsilosani, MD, PhD, FISHRS | Georgia

Anastasios Vekris, MD | Greece

Carlos K. Wesley, MD | USA

Ken L. Williams Jr., DO, FISHRS | USA

Bradley R. Wolf, MD, FISHRS | USA

Sebastian Yriart, MD | Argentina

10:30AM-11:00AM

**Coffee Break & Visit Exhibits** | Seascape Ballroom MEZZANINE LEVEL



# FRIDAY | OCTOBER 28, 2022

<b>11:00AM-12:30PM</b>	<b>GENERAL SESSION 6</b> <b>Regenerative Medicine for Hair Growth</b>   Westin Grand Ballroom BEACH LEVEL
11:00AM-11:02AM <b>GS-051</b> <b>GS-052</b>	<b>2 Moderator Introduction</b> Gregory Williams, MBBS, FISHRS   United Kingdom CO-MODERATOR Gorana Kuka Epstein, MD, FISHRS   Serbia
11:02AM-11:07AM <b>GS-053</b>	<b>5 Introduction of Founders Lecture and 2022 Honoree:</b> <b>Russell Knudsen, MBBS, FISHRS</b> Dow B. Stough, MD   USA
11:08AM-11:28AM <b>GS-054</b>	<b>20 Integrating Computational and Biological Approaches to Modulate Hair</b> <b>FEATURED GUEST SPEAKER: FOUNDERS LECTURE</b> Claire Higgins, PhD   United Kingdom
11:28AM-11:33AM	<b>5 Discussion, Questions &amp; Answers</b>
11:33AM-11:38AM <b>GS-055</b>	<b>5 Exosomes</b> Ronald L. Shapiro, MD, FISHRS   USA
11:38AM-11:43AM <b>GS-056</b>	<b>5 Cell Based Therapies for Hair Restoration - A Review of the Literature and Where We Are to Date</b> Ryan Welter, MD, PhD   USA
11:43AM-11:48AM <b>GS-057</b>	<b>5 Quantitative Syntheses of the Evidence Base Regarding Monotherapy with Platelet-rich Plasma for Androgenetic Alopecia</b> <b>RECORDED PRESENTATION</b> Aditya Gupta, MD, PhD   Canada
11:49AM-11:54AM <b>GS-058</b>	<b>5 Enhanced Outcomes from FUT Using Mechanically Separated Adipose Derived Stem Cells</b> Jerry E. Cooley, MD, FISHRS   USA
11:54AM-12:14PM <b>GS-059</b>	<b>20 The Impact of Aging and Menopause on Health, Hair, and Skin</b> <b>FEATURED GUEST SPEAKER: NORWOOD LECTURE</b> Thomas L. Dawson, Jr., PhD   Singapore
12:15PM-12:30PM	<b>15 Discussion, Questions &amp; Answers</b>
12:30PM-1:00PM	<b>Box Lunch Available to All Attendees</b>   Westin Grand Ballroom Foyer BEACH LEVEL Pick up your box lunch in the Westin Grand Ballroom Foyer and proceed to your chosen Focused Session.

# GS6

DAY-BY-DAY PROGRAM | FRIDAY



G. Williams



G. Kuka Epstein



J. Cooley



T. Dawson



A. Gupta



C. Higgins



R. Shapiro



D. Stough



R. Welter





A. Tsilosani



A. Abbasi



A. Garg



A. Ginzburg



E. A. Mangubat



R. True



S. Yriart

## FRIDAY | OCTOBER 28, 2022

1:00PM-2:30PM

FS 111: Reconstructive and Repair Cases | Eucalyptus LOBBY LEVEL

## SESSION DESCRIPTION

Correction of disfiguring hair transplant results, which have been received by application of old techniques or due to our mistakes, is exceptionally important. And it's important not only for our patients, but also for the entire field of hair transplantation as bad and disfigured results tarnish our whole business. In this focus session several repair cases will be discussed, which will be very useful for all the surgeons working in the hair transplant sphere.

LEVEL All Levels – Physicians Only

## DIRECTOR

Akaki Tsilosani, MD, PhD, FISHRS | Georgia

## FACULTY

Gholamali Abbasi, MD, FISHRS | Iran

Anil K. Garg, MBBS, MS, MCh, FISHRS | India

Alex Ginzburg, MD, FISHRS | Israel

E. Antonio Mangubat, MD | USA

Robert H. True, MD, MPH, FISHRS | USA

Sebastian Yriart, MD | Argentina

1:00PM-1:02PM

FS-031

## 2 Welcome &amp; Introductions

Akaki Tsilosani, MD, PhD, FISHRS | Georgia

1:02PM-1:14PM

## 12 Reconstructive Cases: General Review and Ways of Correction of Unfigured Results

Akaki Tsilosani MD, PhD, FISHRS | Georgia

1:14PM-1:22PM

FS-032

## 8 Reversing Poor Results: When Moving Ahead Means Going Backwards

Robert H. True, MD, MPH, FISHRS | USA

1:22PM-1:32PM

FS-033

## 10 Planning Hair Reconstruction Surgeries

Sebastian Yriart, MD | Argentina

1:32PM-1:44PM

FS-034

## 12 Hair Transplant in Extensive Pseudopelade of Brocq When the Donor Area is Compromised with Multiple Scars

Alex Ginzburg, MD, FISHRS | Israel

1:44PM-1:56PM

FS-035

## 12 Report of 3 Complications of Hair Transplantation in Black Market: The Management, Treatment, and Re-implantation of These Patients

Gholamali Abbasi, MD, FISHRS | Iran

1:56PM-2:08PM

FS-036

## 8 A Case of Post-Acid Burn Facial Hair Reconstruction: A Procedure Transforming a Man with Suicidal Tendencies into a Motivational Speaker

Anil K. Garg, MBBS, MS, MCh, FISHRS | India

2:08PM-2:18PM

FS-037

## 10 Treatment of Large Scalp Defects

E. Antonio Mangubat, MD | USA

2:19PM-2:29PM

## 10 Discussion, Questions &amp; Answers

2:29PM-2:30PM

## 1 Closing Remarks

Akaki Tsilosani MD, PhD, FISHRS | Georgia



1:00PM-2:30PM

## FS 112: Biotin to Testosterone: Spotlight on Supplements

| Westin Grand Ballroom BEACH LEVEL

SPANISH  
TRANSLATION  
AVAILABLE

### SESSION DESCRIPTION

Patients ask us daily what supplements they should be taking, and the reality is we often don't know!

This discussion will focus on what if any data exists for various ingredients frequently seen in consumer products available over the counter, as well as an overview of the formulation and marketing of various commercial supplements using one example product (Phyllotex).

NOTE: This is not a CME-accredited session but the speakers are endeavoring to keep it as balanced as possible and free from a commercial bias.

LEVEL All Levels – All Categories

### CO-DIRECTORS

**FS-038** Jennifer Martinick, MBBS, FISHRS | Australia

**FS-039** Nicole E. Rogers, MD, FISHRS | USA

### FACULTY

**FS-040** Edwin S. Epstein, MD, FISHRS | USA

Gorana Kuka Epstein, MD, FISHRS | Serbia

**FS-041** Sharon A. Keene, MD, FISHRS | USA

**FS-042** Vern Liebmann | USA

**FS-043** Parsa Mohebi, MD, FISHRS | USA

**FS-044** Nina Otberg, MD | Germany

**FS-045** Rajendrasingh Rajput, MCh, FISHRS | India

**FS-046** Sara M. Wasserbauer, MD, FISHRS | USA



J. Martinick



N. Rogers



E. Epstein



G. Epstein



S. Keene



V. Liebmann



P. Mohebi



N. Otberg



R. Rajput



S. Wasserbauer





M. Speranzini



A. Vekris



J. Devroye



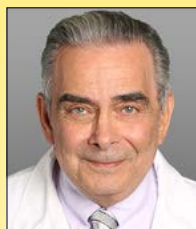
S. Garg



M. Kim



D. Pathomvanich



W. Rassman



A. Ruston

## FRIDAY | OCTOBER 28, 2022

1:00PM-2:30PM

**FS 113: Incisions and Placing: Preventing Graft Popping and Achieving Dense Packing with Natural Results**

| Westin Theatre BEACH LEVEL

## SESSION DESCRIPTION

Hair restoration doctors often place a lot of emphasis on their graft extraction method, punch FUE or strip FUT. However, it is equally important to master the technique to place the follicular units in the recipient area, preventing graft popping, and achieving dense packing with natural results. There are several techniques described, each one with advantages and disadvantages. Get familiar with each of them to define the one that will give the best results in your hands, and even know when to use a specific technique for different cases.

LEVEL All Levels – Physicians Only

## CO-DIRECTORS

Mauro Speranzini, MD, FISHRS | Brazil

Anastasios Vekris, MD | Greece

## FACULTY

Jean Devroye, MD, FISHRS | Belgium

Seema Garg, MBBS, MCh, FISHRS | India

Moonkyu Kim, MD, PHD, FISHRS | South Korea

Damkerng Pathomvanich, MD, FISHRS | Thailand

William R. Rassman, MD | USA

Antonio S. Ruston, MD | Brazil

1:00PM-1:02PM

FS-047

**2 Introduction and Welcome**

Mauro Speranzini, MD, FISHRS | Brazil

1:02PM-1:10PM

FS-048

**8 Sharp Implanter**

Anastasios Vekris, MD | Greece

1:10PM-1:18PM

FS-049

**8 Forceps Placement Into Premade Sites**

William R. Rassman, MD | USA

1:18PM-1:26PM

**8 DNI (Dull needle Implanter Technique)**

Mauro Speranzini, MD, FISHRS | Brazil

1:26PM-1:34PM

FS-050

**8 Keep Implanter** RECORDED PRESENTATION

Antonio S. Ruston, MD | Brazil

1:34PM-1:44PM

**10 Questions and Discussion**

Anastasios Vekris, MD | Greece

1:45PM-1:53PM

FS-051

**8 Multi Implanter**

Moonkyu Kim, MD, PHD, FISHRS | South Korea

1:53PM-2:01PM

FS-052

**8 Premade Sites and Dilator** RECORDED PRESENTATION

Damkerng Pathomvanich, MD, FISHRS | Thailand

2:01PM-2:09PM

FS-053

**8 WAW Multiload implanter**

Jean Devroye, MD, FISHRS | Belgium

2:09PM-2:17PM

FS-054

**8 No-Touch to Root**

Seema Garg, MBBS, MCh, FISHRS | India

2:17PM-2:28PM

**11 Questions and Discussion**

Mauro Speranzini MD, FISHRS | Brazil

2:28PM-2:30PM

**2 Conclusions**

Anastasios Vekris, MD | Greece



1:00PM-2:30PM

**FS 114: Surgical Assistants Networking Session**

| Arrecife BEACH LEVEL

SESSION DESCRIPTION

This afternoon session will be an informal networking session to help answer any specific questions you have. Several Discussion topic tables will be hosted by highly experienced surgical assistants. Attendees are encouraged to bring their questions, ideas, and be ready make new friends from around the world.

LEVEL All Levels – All Categories

FS-055

SURGICAL ASSISTANT CO-CHAIR

Laura Kryz, RN | Spain

FS-056

TABLE HOSTS

Laura E. Burdine | USA

FS-057

Laura Kryz, RN | Spain

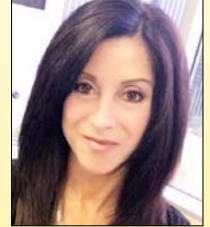
Tina Lardner | USA

Participants will rotate among tables for faculty-led discussion on the following topics:

1. Extracting and Placing
2. Pre-Op, Post-Op, Staff Management and Training
3. Spanish Speaking – All Topics



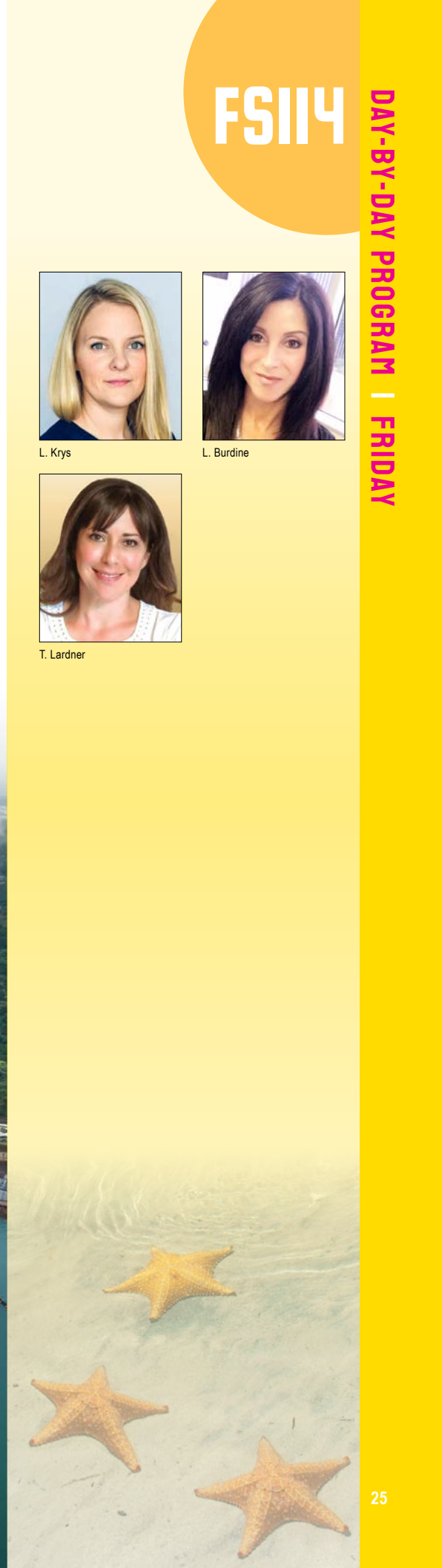
L. Kryz



L. Burdine



T. Lardner

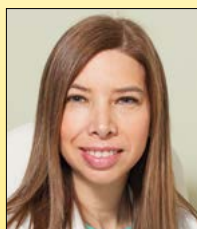




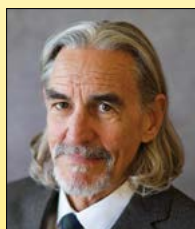
M. Pitchon



M. Muricy



L. Caicedo



T. Carman



M. Crisostomo



J. Park



M. Schambach



L. Trivellini



S. Umar

## FRIDAY | OCTOBER 28, 2022

1:00PM-2:30PM

**FS 115: Donor Harvest Options: Linear and FUE, Hybrid and FUE-LE**  
| Gardenia LOBBY LEVEL

## SESSION DESCRIPTION

In this session we will find all different options of harvesting techniques: from traditional linear strip, Preview Long Hair FUT, hybrid technique combining FUT and FUE, total shaving FUE, Pre-trimming Non-Shaven FUE, Long Hair FUE and Body Hair.

The advantages and disadvantages of each one will be discussed, including the reason the surgeon chooses a specific technique. With this overview of all kinds of harvesting techniques in hair restoration, one can choose the technique which can bring the best results for each patient.

LEVEL All Levels - Physicians Only

## CO-DIRECTORS

Marcelo Pitchon, MD | Brazil

Maria Muricy, MD | Brazil

## FACULTY

Laura Caicedo Albarello, MD | Spain

Timothy P. Carman, MD, FISHRS | USA

Márcio Crisóstomo, MD, FISHRS | Brazil

Jae-Hyun Park, MD, PhD | South Korea

Marie A. Schambach, MD, FISHRS | Guatemala

Luis Roberto Trivellini, MD, FISHRS | Spain

Sanusi H. Umar, MD, FISHRS | USA

1:00PM-1:05PM

FS-058

**5 Welcome & Introduction**

Marcelo Pitchon, MD | Brazil

1:05PM-1:12PM

FS-059

**7 Long Hair FUE Harvesting from Scalp, Beard, or Body Hair**

Luis Roberto Trivellini, MD, FISHRS | Spain

1:13PM-1:20PM

FS-060

**7 Non-Shave FUE Harvesting (Only the Excised Hairs Are Shaved)**

Maria Muricy, MD | Brazil

1:20PM-1:27PM

FS-061

**7 Long Hair FUE Harvesting from Scalp, Beard or Body Hair**

Sanusi H. Umar, MD, FISHRS | USA

1:27PM-1:34PM

FS-062

**7 Shaved Hair FUT Harvesting**

Timothy P. Carman, MD, FISHRS | USA

1:35PM-1:42PM

FS-063

**7 Long Hair FUE Harvesting from Scalp**

Jae-Hyun Park, MD, PhD | South Korea

1:42PM-1:49PM

FS-064

**7 Combining Simultaneous Shaved FUE and FUT from Scalp, Beard, and Body Hair**

Márcio Crisóstomo, MD, FISHRS | Brazil

1:50PM-1:57PM

FS-064

**7 Long Hair FUE from Scalp and Beard**

Laura Caicedo Albarello, MD | Spain

1:57PM-2:04PM

FS-065

**7 Super Shallow FUT Harvesting, Super Thin Strip, for Preview Long Hair Placement**

Marcelo Pitchon, MD | Brazil

2:05PM-2:12PM

FS-065

**7 Long Hair FUE Harvesting from Scalp, with a Wireless Handle Device**

Marie A. Schambach, MD, FISHRS | Guatemala

2:12PM-2:30PM

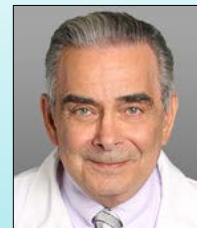
**18 Discussion, Questions & Answers**

2:30PM-3:15PM

**Coffee Break & Visit Exhibits | Seascape Ballroom MEZZANINE LEVEL**



<b>3:15PM-4:25PM</b>	<b>GENERAL SESSION 7</b> <b>Best Inventions &amp; Innovations Contest</b>   Westin Grand Ballroom BEACH LEVEL
<b>3:15PM-3:17PM</b>	<b>2 Moderator Introduction</b> <b>GS-060</b> William R. Rassman, MD   USA <b>GS-061</b> CO-MODERATOR Russell Knudsen, MBBS, FISHRS   Australia
<b>3:18PM-3:23PM</b>	<b>5 HairCheck</b> <b>GS-062</b> Ivan S. Cohen, MD, FISHRS   USA
<b>3:24PM-3:29PM</b>	<b>5 Non-Shaven Long Hair Transplant Using Smart Punch</b> <b>GS-063</b> Osman Tayfun Oguzoglu, MD   Turkey
<b>3:30PM-3:35PM</b>	<b>5 Why Fingertip Touch Sensor and Bluetooth-Based FUE Punching Machine is Revolutionary Innovation in Follicular Unit Excision Surgery?</b> <b>GS-064</b> Jae Hyun Park, MD, PhD   South Korea
<b>3:35PM-3:40PM</b>	<b>5 Skin Responsive FUE for All-Purpose Universal Graft Harvesting</b> <b>GS-065</b> Sanusi Umar, MD   USA
<b>3:40PM-3:45PM</b>	<b>5 The P&amp;P Hairline Laser: A Novel Hands-Free Laser-Assisted Hairline Device for Hair Restoration Surgery</b> <b>RECORDED PRESENTATION</b> <b>GS-066</b> Pasu Piamphongsant, MD   Thailand
<b>3:46PM-3:51PM</b>	<b>5 Topical Stabilized Hypochlorous Acid; A New Gold Standard is Emerging</b> <b>GS-067</b> Dow Stough, MD   USA
<b>3:52PM-3:57PM</b>	<b>5 Microneedling as an Adjunctive Treatment for Trichotillomania (Hair Pulling Disorder)</b> <b>GS-068</b> Marie A. Schambach, MD, FISHRS   Guatemala
<b>3:58PM-4:03PM</b>	<b>5 Graft Holding Tray</b> <b>GS-069</b> Robert S. Haber, MD, FISHRS   USA
<b>4:04PM-4:25PM</b>	<b>21 Discussion and Vote</b>



W. Rassman



R. Knudsen



I. Cohen



R. Haber



O. Oguzoglu



J. Park



P. Piamphongsant



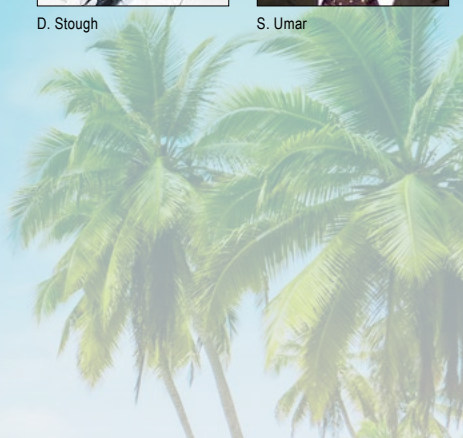
M. Schambach



D. Stough



S. Umar





H. Radwanski



S. Gabel



I. Lee



D. Stough



R. Thuangtong



Z. Zhou



G. Zontos

## FRIDAY | OCTOBER 28, 2022

4:30PM-5:15PM

## GENERAL SESSION 8

Maximize Your Outcomes: Peri-Operative Strategies that Get Results  
| Westin Grand Ballroom BEACH LEVEL

4:30PM-4:32PM

GS-070

GS-071

## 2 Moderator Introduction

Henrique N. Radwanski, MD | Brazil

CO-MODERATOR Steven P. Gabel, MD, FISHRS | USA

4:32PM-4:37PM

GS-072

## 5 Effects of Music on Preoperative Anxiety in Patients Undergoing Hair Transplantation

Rattapon Thuangtong, MD | Thailand

4:37PM-4:42PM

GS-073

## 5 Can PRP Accelerate the Healing Process in the Donor Area From FUE Harvesting?

Georgios Zontos, MD, PhD, FISHRS | Denmark

4:43PM-4:47PM

GS-074

## 4 Should an Explanation of the Long-Term Risk of Hair Transplantation Be Standard of Care?

Dow Stough, MD | USA

4:48PM-4:52PM

GS-075

## 4 Topical Stabilized Hypochlorous Acid for Wound Healing Post Hair Restoration Surgery: A Real Time Usage-Controlled Trial Evaluating Multiple Healing Parameters

Dow Stough, MD | USA

4:53PM-4:58PM

GS-076

## 5 Application of Scalp Micropigmentation in the Treatment of Hair Loss Diseases

Zhentao Zhou, MD | China

4:59PM-5:05PM

GS-077

## 5 Scalp Micropigmentation: Lining Technique

Injae Lee, MD | South Korea

5:05PM-5:15PM

## 10 Discussion, Questions &amp; Answers

5:45PM-7:45PM

## 121: ISHRS &amp; ABHRS Morbidity &amp; Mortality Conference

| Arrecife BEACH LEVEL

9:00PM-11:00PM

## Karaoke Night at Soléo (unofficial ISHRS event)

We encourage those World Congress attendees who like to sing to gather at the resort's cocktail lounge, Soléo, for their karaoke night.

## ISHRS &amp; ABHRS MORBIDITY &amp; MORTALITY CONFERENCE

DATE Friday | October 28, 2022

TIME 5:45PM-7:45PM

LOCATION Arrecife BEACH LEVEL

FEE \$75 USD (includes dinner in the room)

LEVEL Physicians Only – All Levels

## CHAIR

Christopher M. D'Souza, MBBS | United Kingdom

## CO-CHAIR

Nestor A. Pissano, MD | Spain

PHOTOGRAPHY IS NOT ALLOWED  
IN THIS SESSION

## The Morbidity and Mortality (M&amp;M) Conference

is an opportunity to learn about the complications that have been encountered in the practice of hair restoration. We are usually happy to share the stories and photos of great patient outcomes; the M&M Conference is a chance to share and learn from our colleagues when patient care doesn't go the way we hoped it would.

The objective of the conference is to provide recommendations on how to eliminate the likelihood of repeat occurrences. Information presented at the M&M Conference is protected and held in confidence, and all attendees are required to sign a confidentiality agreement.

Physicians will present their cases and then audience members will formulate and pose questions to the presenter to discuss how the case may have been managed differently.



C. D'Souza



N. Pissano



## SATURDAY | OCTOBER 29, 2022

6:00AM-10:30AM	<b>Breakfast on Own</b>   Pacifica LOBBY LEVEL (for hotel guests) <i>Attendees should eat breakfast on their own prior to coming to sessions</i>
8:30AM-4:00PM	<b>Registration</b>   Westin Plaza Foyer BEACH LEVEL
8:30AM-3:00PM	<b>Speaker Ready Room</b>   Vetiver BEACH LEVEL
8:30AM-2:30PM	<b>Exhibits Viewing</b>   Seascape Ballroom MEZZANINE LEVEL
8:30AM-9:00AM	<b>Welcome Coffee</b>   Seascape Ballroom MEZZANINE LEVEL
9:00AM-10:30AM	<b>GENERAL SESSION 9</b> <b>World Science of Hair Update</b>   Westin Grand Ballroom BEACH LEVEL
9:00AM-9:02AM	<b>7 Moderator Introduction</b> <b>GS-078</b> David Perez-Meza, Lt Col Ret, MD, FISHRS   Spain <b>GS-079</b> CO-MODERATOR Nilofer P. Farjo, MBChB, FISHRS   United Kingdom
9:08AM-9:15AM	<b>20 Understanding Hair Bioenergetics to Modulate Hair Growth</b> <b>GS-080</b> <b>FEATURED GUEST SPEAKER: ADVANCES IN HAIR BIOLOGY LECTURE</b> Aishwarya Sridharan, PhD   Singapore
9:16AM-9:23AM	<b>5 Pharmacological Therapy Improving Hair Follicle Growth Cycle</b> <b>GS-081</b> Elsa Logarinho, PhD   Portugal
9:24AM-9:29AM	<b>5 Is Androgenetic Alopecia a Form of Accelerated Aging?</b> <b>GS-082</b> Bessam Farjo, MBChB, FISHRS   United Kingdom
9:30AM-9:35AM	<b>5 How to Set Up a Research Project and Apply for a Grant</b> <b>GS-083</b> Francisco Jimenez, MD, FISHRS   Spain
9:40AM-9:50AM	<b>10 Discussion, Questions &amp; Answers</b>

# GS9

DAY-BY-DAY PROGRAM | SATURDAY



D. Perez-Meza



N. Farjo



B. Farjo



F. Jimenez



E. Logarinho



A. Sridharan





R. True



K. Chouhan



M. Garcia



A. Garg



J. Harris



R. Rodriguez



K. Yamamoto

## SATURDAY | OCTOBER 29, 2022

9:55AM-10:30AM

## GENERAL SESSION 10

The 3Bs: Brows, Beards, and Body Hair

| Westin Grand Ballroom BEACH LEVEL

9:55AM-9:57AM

GS-084

GS-085

GS-086

## 2 Moderator Introduction

Robert H. True, MD, MPH, FISHRS | USA

CO-MODERATOR Kavish Chouhan, MBBS, MD | India

PANALIST Anil K. Garg, MBBS, MS, MCh, FISHRS | India

9:57AM-10:02AM

GS-087

## 5 The Truth About Body Hair Transplants for Enhancing Scalp Coverage Based on Hair Diameter Index (HDI) Density Parameters

James Harris, MD, FISHRS | USA

10:03AM-10:08AM

GS-088

## 5 Facial Hair Transplantation with Follicular Unit Excision: Effective Technique in the Micrograft of Beard and Mustache

Mario Garcia, MD | Mexico

10:08AM-10:13AM

GS-089

## 5 Eyebrows

Rene A. Rodriguez, MD | Colombia

10:14AM-10:19AM

GS-090

## 5 Long-term Survival Observation for 14 Years Regarding Leg Hair Transplanted to Scalp Scar

RECORDED PRESENTATION

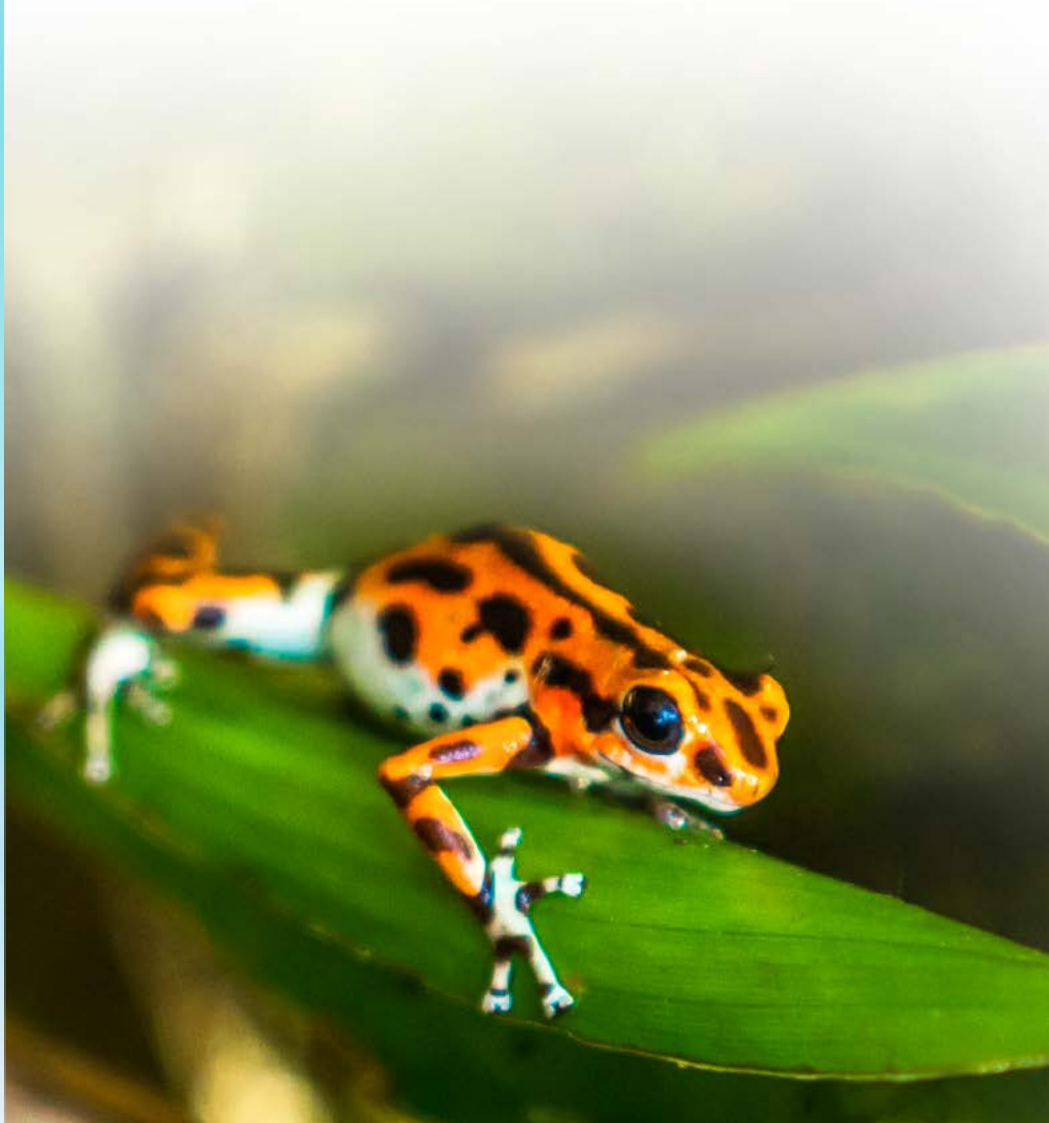
Kazuhito Yamamoto, MD, PhD | Japan

10:20AM-10:30AM

## 10 Discussion, Questions &amp; Answers

10:30AM-11:00AM

Coffee Break &amp; Visit Exhibits | Seascape Ballroom MEZZANINE LEVEL





# SATURDAY | OCTOBER 29, 2022

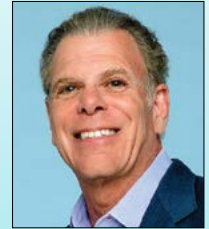
<b>11:00AM-12:30PM</b>	<b>GENERAL SESSION 11</b> <b>Challenging Cases</b>   Westin Grand Ballroom BEACH LEVEL
	<b>CHALLENGING DIAGNOSES</b>
11:00AM-11:02AM	<b>2 Moderator Introduction</b>
<b>GS-091</b>	Nicole E. Rogers, MD, FISHRS   USA
<b>GS-092</b>	CO-MODERATOR Paul T. Rose, MD, JD, FISHRS   USA
11:02AM-11:07AM	<b>5 Diagnosing Challenging Cases: Simple Steps</b>
	Nicole E. Rogers, MD, FISHRS   USA
11:08AM-11:13AM	<b>20 When is Hair Transplantation Allowed in Lichen Planopilaris, From a Scientific Point of View</b>
<b>GS-093</b>	Ghalamali Abbasi, MD, FISHRS   Iran
11:14AM-11:19AM	<b>5 Incidence of Scarring Alopecia in a Hair Restoration Practice</b>
<b>GS-094</b>	Christine Shaver, MD   USA
11:20AM-11:25AM	<b>5 Red Flags Trichoscopic during the Evaluation of Donor Area</b>
<b>GS-095</b>	Igor Bottura, MD   Brazil
11:26AM-11:34AM	<b>5 Interactive Quiz Challenge</b>
11:34AM-11:49AM	<b>15 Discussion, Questions &amp; Answers</b>
	<b>CHALLENGING SURGERIES</b>
11:50AM-11:51AM	<b>1 Moderator Introduction</b>
<b>GS-096</b>	Shady El-Maghraby, MD, MSc, FISHRS   Egypt
<b>GS-097</b>	CO-MODERATOR Anastasios Vekris, MD   Greece
11:52AM-11:57AM	<b>5 Hair Transplant in Post Burn Alopecia - A Hairy Veil!</b>
<b>GS-098</b>	Sunil Arora, MBBS, MS, MCh   India
11:57AM-12:02PM	<b>5 Approach to Grade 6/7 Baldness</b>
<b>GS-099</b>	Pradeep Sethi, MD   India
12:03PM-12:08PM	<b>5 Repairing Hairline and Scars of Scalp Avulsion Flaps</b>
<b>GS-100</b>	Shady El-Maghraby, MD, MSc, FISHRS   Egypt
12:09PM-12:14PM	<b>5 Wound Dehiscence Repair with FUE</b>
<b>GS-101</b>	Miriam Scheel, MD   Guatemala
12:15PM-12:30PM	<b>15 Discussion, Questions &amp; Answers</b>
12:30PM-1:00PM	<b>Box Lunch Available to All Attendees</b>   Westin Grand Ballroom Foyer BEACH LEVEL Pick up your box lunch in Westin Grand Ballroom Foyer and go to the Discussion Table Topics session or visit the exhibits.
12:30PM-2:30PM	<b>Last Chance to Visit Exhibits</b>   Seascape Ballroom MEZZANINE LEVEL

# GSII

DAY-BY-DAY PROGRAM | SATURDAY



N. Rogers



P. Rose



S. El-Maghraby



A. Vekris



A. Abbasi



S. Arora



I. Bottura



M. Scheel



P. Sethi



C. Shaver

## SATURDAY | OCTOBER 29, 2022

12:45PM-1:30PM

## GENERAL SESSION 12

## Discussion Table Topics

| Westin Grand Ballroom BEACH LEVEL

**Open to all attendees** on a first-come, first-served basis. This is an information session for small groups to discuss a specific topic as noted on the list. The round tables will be labeled with a topic and table leaders' names. Bring your boxed lunch to this session, sit at any table you like and rotate to as many tables as you wish. **Bring your questions!** The idea is to have dialogue among those interest in the topic – an interesting conversation. These are not formal presentations.

**I BYOI - Bring Your Own Innovation/Invention**

Willam R. Rassman, MD | USA  
Russel Knudsen, MBBS, FISHRS | Australia

**2 BYOV - Bring Your Own Video**

Arthur Tykocinski, MD | Brazil  
Sam M. Lam, MD, FISHRS | USA

**3 BYOC - Bring Your Own Case**

Robert T. Leonard Jr., DO, FISHRS | USA

**4 Injectable Therapies for Hair Growth**

Jerry E. Cooley, MD, FISHRS | USA  
Gorana Kuka Epstein, MD, FISHRS | Serbia  
Ronald L. Shapiro, MD, FISHRS | USA

**5 Supplements and Alternative Medicine for Hair Growth**

Nicole E. Rogers, MD, FISHRS | USA  
Jennifer Martinick, MBBS, FISHRS | Australia

**6 The Dead Hair Society** (lotions, shampoos and hair products)

Thomas L. Dawson, PhD | Singapore  
Bradley R. Wolf, MD, FISHRS | USA

**7 Body Hair Transplant**

Robert H. True, MD, MPH, FISHRS | USA  
Anil K. Garg, MBBS, MD, MCh, FISHRS | India  
Seema Garg, MBBS, MSc, FISHRS | India

**8 Beard Transplant**

Ozgur Oztan, MD, PhD | Turkey  
Marie A. Schambach, MD, FISHRS | Guatemala

**9 Eyebrow and Eyelash Transplant**

Marc S. Dauer, MD | USA  
Rene Rodriguez, MD | Columbia

**10 SMP**

Timothy P. Carman, MD, FISHRS | USA  
Injae Lee, MD | South Korea

**II Photobiomodulation**

Robert S. Haber, MD, FISHRS | USA

**12 Dermoscopy and Trichoscopy Tricks of the Trade**

Nina Otberg, MD | Germany  
Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand

**13 Preview Long Hair Surgery**PORTUGUESE & SPANISH  
SPEAKING TABLE

Laura Caicedo Albarello, MD | Spain  
Otavio Augusto Silva Boaventura, MD | Brazil  
Fernando T. Basto, Jr., MD, FISHRS | Brazil

**14 No Shave FUE**

James A. Harris, MD, FISHRS | USA

**15 Linear Excision and FUE-LE**

Sharon A. Keene, MD, FISHRS | USA  
Scott A. Boden, MD, FISHRS | USA  
David Perez-Meza, Lt Col Ret, MD, FISHRS | Spain

**16 Women's Hair Surgery**PORTUGUESE & ENGLISH  
SPEAKING TABLE

Marco N. Barusco, MD, FISHRS | USA  
Carlos J. Puig, DO, FISHRS | USA

**17 Reconstruction and Repair**SPANISH  
SPEAKING TABLE

Sebastian Yriart, MD | Argentina

**18 Ergonomics**PORTUGUESE & ENGLISH  
SPEAKING TABLE

Alan Wells, MD | Brazil  
Gustavo Martins, MD | Brazil

**19 How to Write a Paper and Run a Clinical Study**SPANISH  
SPEAKING TABLE

Francisco Jimenez, MD, FISHRS | Spain  
Maria C. Morales, MD | Dominican Republic

**20 Operation Restore:  
The Best Hair Transplant You Will Perform**

E. Antonio Mangubat, MD | USA  
Luis Ortega, MD | Ecuador

**21 Medicines: Growing Hair  
Without Surgery**SPANISH  
SPEAKING TABLE

Luis Nader, MD | Mexico

**22 How to Sponsor a Local Workshop  
in Your City or Country**

Rana M. Irfan, MBBS, FISHRS | Pakistan  
Conradin von Albertini, MD, FISHRS | Switzerland



**1:30PM-2:30PM**

**GENERAL SESSION 13**

**Open Dialogue – Congress's Best Topics**

| Westin Grand Ballroom BEACH LEVEL

Bring your questions and ideas, or submit your questions in advance to the moderators or via the app. Open microphone format.

**2 Moderator Introduction**

**GS-102**

MODERATOR Ken Washenik, MD, PhD, FISHRS | USA

**GS-103**

CO-MODERATOR Robert P. Niedbalski, DO, FISHRS | USA

PANELISTS - 2022-23 ISHRS EXECUTIVE COMMITTEE

**GS-104**

Conradin von Albertini, MD, FISHRS | Switzerland

**GS-105**

Kapil Dua, MBBS, MS, FISHRS | India

**GS-106**

Nilofer P. Farjo, MBChB, FISHRS | United Kingdom

**GS-107**

Ricardo Mejia, MD | USA

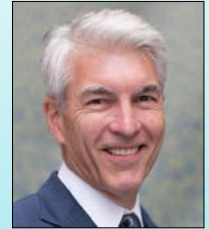
**GS-108**

Bradley R. Wolf, MD, FISHRS | USA

**Discussion, Questions & Answers**



K. Washenik



R. Niedbalski



C. von Albertini



K. Dua



N. Farjo



R. Mejia



B. Wolf

**2:30PM-3:30PM**

**ISHRS Annual General Membership Business Meeting**

| Westin Grand Ballroom BEACH LEVEL

**2:30PM-4:00PM**

**Live Patient Viewing** | Ginger Foyer LOBBY LEVEL

**2:30PM-5:30PM**

**Exhibit dismantle** | Seascape Ballroom MEZZANINE LEVEL

**3:45PM-5:00PM**

**CME Committee Meeting** (invitation only)

| Business Boardroom 1 MEZZANINE LEVEL

**7:00PM-12:00AM**

**Gala Dinner & Awards Ceremony** | Westin Grand Ballroom BEACH LEVEL

**LIVE PATIENT VIEWING**

DATE Saturday | October 29, 2022

TIME 2:30PM-4:00PM

LOCATION Ginger Foyer LOBBY LEVEL

**CHAIR**

Henrique N. Radwanski, MD | Brazil

**CO-CHAIR**

Sebastián Yriart, MD | Argentina

**PHYSICIANS PRESENTING PATIENTS & CASES**

Juan Campillo, MD | Mexico

Bruno Florez, MD | Panama

David Perez-Meza, Lt. Col Ret, MD, FISHRS | Spain

Marie A. Schambach, MD, FISHRS | Guatemala

Marco Velasquez, MD | Peru

**The Live Patient Viewing is one of the most important sessions of the ISHRS World Congresses.** It is an opportunity for attendees to see live results of hair restoration surgical procedures from a variety of surgeons. In the past, cases have included repair, eyebrow, body hair transplantation, HT in unusual indications, and also results from regular linear strip excision and FUE cases. The format includes the operating surgeon standing next to their patient. The attendees rotate as they like, and can view up-close the results of the patient and ask questions to the surgeon. A poster is prepared for each patient that includes before photos and brief information about the case and techniques used.

Patients who agree to show their postoperative results, as well as the doctors who bring them, deserve our respect and support for their willingness to subject their results to scrutiny and contribute to our learning experience. Attendees are asked to be mindful of their comments during this session. Negative or disparaging comments about a patient's results to the patient are offensive, psychologically hurtful, and violate our ethical commitment to "do no harm."



H. Radwanski



S. Yriart





DATE	Saturday   October 29, 2022
TIME	7:00PM-12:00AM 7:00PM Cocktail Reception 8:00pm Dinner
FEE	\$125 USD per person 2 tickets included with Trustee Circle and Leadership Circle AGF donation levels
LOCATION	Westin Grand Ballroom BEACH LEVEL

**ENJOY** the culmination of our 30th World Congress celebration on the final evening of the World Congress with your friends and colleagues at the carnival-themed Gala Dinner and Awards Ceremony. We will start the evening with a beautiful meal and the awards, where the prestigious ISHRS Golden and Platinum Follicle Awards will be presented, and the spirit of collegiality will undoubtedly be on display. The evening will continue with live music and dancing.

Attire is formal/black tie (evening gowns and suits/tuxedos) optional or as tradition of the ISHRS you may wear a costume reflective of your native country. Attendees are encouraged to participate in the carnival theme by wearing bright colors, sequins, or other festive formalwear. Tickets are required for entry and must be purchased in advance.



## FEATURED GUEST SPEAKERS

### FOUNDERS LECTURER IN HONOR OF DR. RUSSELL KNUDSEN

#### Claire Higgins, PhD



*Lecturer in Tissue Engineering and Regenerative Medicine, Department of Bioengineering, Imperial College London, London, United Kingdom*

Dr. Claire Higgins was appointed as a Lecturer in the Department of Bioengineering at Imperial College London in April 2014, after postdoctoral training in the laboratory of Prof. Angela Christiano, in the Department of Dermatology, at Columbia University in New York. At Columbia she received a Career Development Award from the Dermatology Foundation to research the 'Molecular basis of human hair follicle induction'. Claire obtained a Ph.D. in Skin Developmental Biology from Durham University in 2007, and holds a B.Sc. in Natural Sciences.

The main focus of her research group is to understand mechanisms of tissue development, and regeneration, both in normal conditions and in response to trauma. The hair follicle is used as a model, as it is an accessible and elegant system to study organ regeneration. Research into developmental, and regenerative processes means we can try and recreate them in a lab setting, and exploit the inherent properties of interacting cells to engineer new tissues and structures. Work in the group is funded by the Medical Research Council (MRC), the Engineering and Physical Sciences Research Council (EPSRC), and the British Skin Foundation (BSF).

**Dr. Higgins will speak on,**  
**“Integrating Computational and Biological Approaches to Modulate Hair”**

#### ABOUT THE FOUNDERS LECTURESHIP



The Founders Lectureship pays tribute to the founding members of the ISHRS who served to institute our dynamic, multi-specialty society in 1993 in which the three pillars continue to remain central: educational, research, and collegiality.

**About Dr. Knudsen** Dr Knudsen began training in hair restoration in 1982 under Dr Richard Shiell. He was President of the Australasian Society of Hair Restoration Surgeons in 1993 when Dr Dow Stough called for the formation of the International Society of Hair Restoration Surgery. He was invited onto the inaugural Board of ISHRS,

Russell Knudsen was Program Chair in 1996, President of ISHRS in 1997 and served as co-editor of the Forum 1998-2001. He was awarded the Gold Follicle in 2000 and the Manfred Lucas Award in 2014.



# PANANIA



## LEADERSHIP LECTURE IN HONOR OF DR MARCELO GANDELMAN

### Juanita J. Anders, PhD



*Professor, Department of Anatomy, Physiology and Genetics, Uniformed Services University of the Health Sciences (USUHS)*

Juanita J. Anders, PhD, is a Professor of Anatomy, Physiology and Genetics and Professor of Neuroscience, at Uniformed Services University of the Health Sciences. Professor Anders is an internationally recognized expert in Photobiomodulation (PBM) research and has served as invited Chair and speaker globally. Her specialty is nervous system injury and repair mechanisms, pain modulation using PBM and light/tissue interactions. Dr. Anders received her PhD in Anatomy from the University of Maryland Medical School then joined the National Institutes of Health in the Laboratory of Neuropathology and Neuroanatomical Sciences, NINDS. Currently she is funded by the US Department of Defense to investigate the use PBM Therapy as a non-invasive, non-pharmaceutical alternative for the management of neuropathic pain.

Professor Anders has served and continues to serve as a member of numerous state, national, and international scientific review panels including the National Institutes of Health, the Food and Drug Administration, Veterans Affairs, the Department of Defense, and the Congressionally Directed Medical Research Programs. She also serves on the Executive Councils and Scientific Advisory Boards of numerous international laser conferences. She is the past president of the North American Association of Laser Therapy, a founding member of the International Academy of Laser Medicine and Surgery, Past President of the American Society of Lasers in Medicine and Surgery and Past Director of the Optical Society of America Photobiomodulation Technical Group. She has recently been appointed as a board member of the International Society of Lasers in Medicine and Surgery and currently serves on the Advisory Board of the Optica Photobiomodulation Technical Group. She is a Senior Editor of Photobiomodulation, Photomedicine and Laser Surgery, Associate Editor of Lasers in Medical Science, and Frontiers in Neuroscience (Neurogenesis) and on the editorial board of Physiotherapy Practice and Research and Laser Therapy. She has published over 70 peer reviewed articles.

**Dr. Anders will speak on,**  
**"Photobiomodulation Therapy for the Treatment of Hair Loss"**

#### ABOUT THE LEADERSHIP LECTURESHIP



Marcelo Gandelman

Follicle Award in 1998 and the Manfred Lucas award in 2012. He was President of ISHRS in 2000.

The Leadership Lectureship recognizes the contributions of those who served the Society in leadership roles, to honor their stewardship and dedication to the ISHRS and their beneficence to the field of hair restoration surgery. We are honored and thankful for these individuals who are part of the rich history and heritage of the ISHRS.

**About Dr. Gandelman** Marcelo Gandelman learned Hair Transplant from Norman Orentreich in 1965. Invited by O'Tar Norwood in 1990 to write for the Hair Transplant Forum Journal. Founded, with Matt Leavitt, the Orlando Live Surgery Workshop in 1995. Received the Platinum

## NORWOOD LECTURER

### Thomas L. Dawson, Jr., PhD



*Agency for Science, Technology, and Research (A\*STAR) Institute for Medical Biology*

Dr. Dawson is a Senior Principal Investigator at the Agency for Science, Technology, and Research (A\*STAR) Institute for Medical Biology (IMB) in Singapore. He is a research scientist and author on more than 50 original articles, book chapters, papers and other scientific communications, including authoring the Dandruff and Hair Growth chapters of Cosmetic Dermatology for several editions. While at the Procter & Gamble Co. Dr. Dawson's research team discovered the fungal cause of dandruff and seborrheic dermatitis, identified the key microbes, *Malassezia*, and discovered and launched new technology in Head & Shoulders (the worlds largest shampoo brand). He also leads the *Malassezia* Research Consortium, a global multi-disciplinary collaboration on *Malassezia* biology, genomics, and pathogenicity.

Dr Dawson's hair and scalp research is focused on stopping or reversing changes in women's hair with age and menopause, via intervention in the metabolism and function of anagen hair follicles. A recent hair biology advance led to development of a successful in-market technology which improves the diameter of women's scalp hair.

Dr. Dawson was recognized with the "John Smale" award as Procter & Gamble's top technologist in 2002, and he is appointed to the faculty of Miami University (Ohio) Department of Botany as Adjunct Assistant Professor and the Department of Biochemistry and Drug Discovery at the Medical University of South Carolina as an Adjunct Professor. Prior to joining A\*STAR IMB Dr. Dawson was a Senior Principal Investigator at the Procter & Gamble Co. where he led the Life Sciences Innovation team for the Singapore Innovation Center. He was a Fellow in Pediatrics with Duke University Medical Center and investigated genetic metabolic disease, including development of a Pompe Disease treatment (Myozyme). He earned his Ph.D. at the Lineberger Cancer Center at UNC-CH, where he studied breast cancer, a novel human proto-oncogene, *c-met*; and ROS in orthotopic liver transplantation. Dr. Dawson grew up in WV and earned a Bachelor's in Chemistry from West Virginia University.

**Dr. Dawson will speak on,**  
**"The Impact of Aging and Menopause on Health, Hair, and Skin"**

#### ABOUT THE NORWOOD LECTURESHIP



O'Tar T. Norwood

communications were so numerous that he started a magazine called the Hair Transplant Forum International. It grew very quickly and became so popular that everyone wanted to read it and contribute articles. Soon after, O'Tar donated the magazine to the ISHRS. Its descendant is the ever-popular Forum we read today. O'Tar continued to publish and teach at our conferences for many years. His name is etched in our history. Those who knew O'Tar fondly remember the informal moments after lectures where his wit and joy for life were wonderful to share. He would welcome all with his cheeky warm smile.

The Norwood Lectureship pays tribute to O'Tar Norwood, MD, an Oklahoma physician who had a long and successful career in dermatology. At the time of writing his first book on Hair Transplant Surgery in 1973, he was Clinical Assistant Professor of Dermatology at the University of Oklahoma Medical School, USA. Amongst other things he was a Founding Member of the American Society for Dermatologic Surgery and with Dr. Dow Stough he was instrumental in gathering like-minded doctors in 1992 to form the ISHRS. O'Tar was a restless thinker who brought together people and ideas to explain the MPHL process. His letters and



## STOUGH LECTURER

### Paulo Müller Ramos, MD, PhD



São Paulo State University – UNESP

Dr. Paulo Müller Ramos is a board-certified dermatologist and the coordinator of the hair disorders outpatient unit of the Dermatology Department of São Paulo State University (UNESP). He is also a researcher and advisor for Master's and Ph.D. academic programs at the same institution. His research is focused on hair disorders, especially

in clinical trials for androgenetic alopecia. He has authored more than 60 peer-reviewed scientific articles.

**Dr. Müller Ramos will speak on,  
“Oral Minoxidil for Hair Loss: Update and Perspectives”**

## ADVANCES IN HAIR BIOLOGY LECTURER

### Aishwarya Sridharan, PhD



Scientist/ Project Lead, A\*STAR Skin Research Labs (A\*SRL), Skin Research Institute of Singapore

Aishwarya Sridharan is the Project Lead in Hair and Skin health lab, led by Dr Thomas Dawson in the A\*STAR Skin Research Labs (A\*SRL)/ Skin Research Institute of Singapore (SRIS), Singapore. She leads academic and industrial projects involving modulation of human hair growth through hair follicle

bioenergetics. She is a life science researcher having 14 years of research experience in areas including hair biology, skin pigmentation, infectious disease, and immunology with 9 years of extensive experience in consumer beauty care biology (skin & hair). Aishwarya graduated with B.Tech in Industrial biotechnology from Anna University, India. She received her Ph.D from Singapore MIT Alliance program with her thesis on study of dengue infection in a humanized mouse model, jointly supervised by Prof Jianzhu Chen, MIT and Dr Martin Hibberd, GIS. Post her Ph.D, she joined the lab of Dr Leah Vardy in the Institute of Medical Biology (currently SRIS), Singapore to study the effect of polyamine and their regulators on human skin pigmentation. Aishwarya is passionate about translational research, particularly in the areas of cosmetic applications and consumer care.

**Dr. Sridharan will speak on,  
“Understanding Hair Bioenergetics to Modulate Hair Growth”**

### ABOUT THE STOUGH LECTURESHIP



Dow B. Stough

The Stough Lectureship recognizes an individual with vision and a demonstrated passion for education. Established in 2019, the Stough Lecture honors ISHRS Co-founder Dow Stough, MD, who in the early 1990's recognized that the fractured, chaotic, and often secretive world of hair restoration needed an anchor. The founding of the ISHRS in 1993 brought order to chaos, turned competitors into colleagues, and created an educational organization that has changed the face and improved the outcomes of hair restoration throughout the world. A very well-respected dermatologist from Hot Springs, Arkansas, USA, Dr. Stough

was one of the earliest proponents of follicular unit transplantation and natural looking hairlines, and his focus on innovation and teaching is evidenced by Dow being the youngest President, Program Chair, Golden Follicle Award winner, and Manfred Lucas Award winner in ISHRS history. He is a true leader and his contagious enthusiasm has inspired and motivated many hair transplant surgeons. His knack for encouraging colleagues – newcomers and old-timers alike – to get involved, share knowledge, and ask questions, is perhaps his greatest legacy.

### THE ADVANCES IN HAIR BIOLOGY LECTURE

is generously supported by a grant from BOSLEY

## 40I: BASICS COURSE

DATE	Wednesday   October 26, 2022
TIME	8:00AM-5:00PM
LOCATION	Gardenia LOBBY LEVEL
FEE	\$695
LEVEL	Beginner – Physicians Only
NOTES	Attendees should eat breakfast before coming to the course. Lunch and coffee breaks are included.

### CHAIR

Jennifer Krejci, MD | USA

### CO-CHAIRS

Otavio Boaventura, MD | Brazil

### FACULTY

Kavish Chouhan, MBBS, MD | India  
 Vincenzo Gambino, MD, FISHRS | Italy  
 Sharon A. Keene, MD, FISHRS | USA  
 Moonkyu Kim, MD, PhD, FISHRS | South Korea  
 Francisco Le Voci, MD | Brazil  
 Emorane Lupanzula, MD | Belgium  
 Maria Angelica Muricy, MD | Brazil  
 Nina Otberg, MD | Germany  
 Jae Hyun Park, MD, PhD | South Korea  
 Henrique N. Radwanski, MD | Brazil  
 Rene A. Rodriguez, MD | Colombia  
 Paul T. Rose, MD, JD, FISHRS | USA  
 Marie A. Schambach, MD, FISHRS | Guatemala  
 Ronald L. Shapiro, MD, FISHRS | USA  
 Christine Shaver, MD | USA  
 Meena Singh, MD | USA  
 Anastasios Vekris, MD | Greece  
 Alan Wells, MD | Brazil  
 Ken L. Williams, DO, FISHRS | USA



J. Krejci



O. Boaventura

## COURSE OUTLINE

8:00AM-8:10AM	<b>Introduction and Course Overview</b> Jennifer Krejci, MD   USA – Course Chair Otavio Boaventura, MD   Brazil – Course Co-Chair
8:10AM-8:30AM	<b>Diagnosing Hair Loss: Androgenic x Others</b> Meena Singh, MD   USA
8:30AM-8:50AM	<b>Androgenic Alopecia: Medical Treatment</b> Jennifer Krejci, MD   USA
8:50AM-9:00AM	<b>Scalp and Hair Anatomy</b> Otavio Boaventura, MD   Brazil
9:00AM-9:15AM	<b>Donor Assessment and Surgical Planning</b> Emorane Lupanzula, MD   Belgium
9:15AM-9:35AM	<b>Emergencies</b> Alan Wells, MD   Brazil
9:35AM-9:50AM	<b>Questions &amp; Answers   Coffee Break</b>
9:50AM-10:10AM	<b>Choosing FUE x FUT, When Not to Do Surgery</b> Christine Shaver, MD   USA
10:10AM-10:25AM	<b>Different Devices and Punches in FUE</b> Marie A. Schambach, MD, FISHRS   Guatemala
10:25AM-10:40AM	<b>Getting Started 1- Staff training, Photography, Do's Don'ts</b> Kavish Chouhan, MD   India
10:40AM-10:55AM	<b>Getting Started 2 – Setting up Hair Restoration Practice, Marketing</b> Anastasios Vekris, MD   Greece
10:55AM-11:05AM	<b>Questions &amp; Answers</b>
11:05AM-12:00PM	<b>Station Rotation 1</b>
12:00PM-12:40PM	<b>Lunch with faculty</b>
12:40PM-4:00PM	<b>Station Rotations 2-5</b>
4:00PM-4:45AM	<b>Case Discussions</b> Jennifer Krejci, MD   USA – Course Chair Otavio Boaventura, MD   Brazil – Course Co-Chair
4:45PM-5:00PM	<b>Questions &amp; Answers, Panel Discussion, and Conclusion</b>

**COURSE DESCRIPTION** The 2022 Basics Course is an ideal opportunity for newcomers to learn the fundamentals of Hair Restoration from experts with vast experience, and also for seasoned physicians in the field of Hair Restoration Surgery who want to build upon skills in their current medical practice. The Basics Course includes a full day of didactics: including lectures, videos, hands-on workstations, case presentations and panel discussions covering the essentials of hair restoration surgery.

The course is structured to provide sufficient time during the lectures to ask questions and engage the experts in discussions about the information covered. The workstations are held in small groups, allowing for more extended conversations with experts on any subject matter needing clarification. Participants will also receive a copy of the lectures and key articles for independent study after the course.

Our international faculty will offer an overview of all aspects of patient care from initial consultation, diagnosis, medical treatment, and patient selection to donor harvesting methods, artistry of male and female

hairline design, incision site making techniques and graft insertion strategies. Several lectures are devoted to the critical business aspect of hair restoration including staff training, photography and marketing.

The panel discussions during the final segment of the course allow for collegial dialogue between the experts and course participants in regards to any of the day's topics. Participants are encouraged to ask questions about any treatment approach, equipment or technique taught throughout the day. The course will be delivered in a welcoming and relaxed environment, where new friendships can be established with other participants and faculty.

Registration for this course includes access to the ISHRS Basics Bundle.

**PRECAUTION NOTE:** This workshop will utilize sharps.

**ATTIRE AND LOUPES:** Scrubs are not required. Standard disposable latex gloves will be provided for those who would like them. If you have an allergy to latex or glove powder, then bring several sets of your own gloves. Bring your own set of loupes.



## HANDS-ON WORK STATIONS

## STATION 1 Female &amp; Male Hairline Design

FACULTY Paul T. Rose, MD, JD, FISHRS | USA  
Nina Otberg, MD | Germany  
Ronald L. Shapiro, MD, FISHRS | USA

Participants will learn the elements essential to creating a natural hairline for both men and women and be able to counsel patients regarding what will look most appropriate as they possibly lose more hair. Participants will also learn the basics of recreating crown whorls, while prioritizing the areas of the scalp that are most important to transplant, and the pitfalls that should be avoided.



P. Rose



N. Otberg



R. Shapiro

## STATION 2 Linear Strip Harvesting

FACULTY Sharon A. Keene, MD, FISHRS | USA  
Meena Singh, MD | USA  
Alan Wells, MD | Brazil  
Ken L. Williams, DO, FISHRS | USA

Participants will be taught to identify or predict what comprises a safe donor area: a fundamental skill in hair transplant surgery. Students will also learn how to estimate the graft yield, as well as how to plan and harvest a donor strip while minimizing follicle transection. Techniques to improve scarring and potential complications will be discussed. Advantages, disadvantages, and limitations of this method will be emphasized.



S. Keene



M. Singh



A. Wells



K. Williams

## STATION 3 FUE Harvesting

FACULTY Emorane Lupanzula, MD | Belgium  
Maria Angelica Muricy, MD | Brazil  
Rene A. Rodriguez, MD | Colombia  
Marie A. Schambach, MD, FISHRS | Guatemala

Participants will learn basic concepts of Follicular Unit Extraction including patient selection, approach to FUE harvest, assessing graft quality and nuances of different FUE devices. Students will be taught how to estimate donor area yield during initial and future procedures, how to perform proper excision & extraction technique and to manage common FUE challenges. Advantages, disadvantages and limitations of this method will be emphasized.



E. Lupanzula



M. Muricy



R. Rodriguez



M. Schambach

## STATION 4 Graft Preparation in FUT

FACULTY Vincenzo Gambino, MD, FISHRS | Italy  
Francisco Le Voci, MD | Brazil  
Henrique N. Radwanski, MD | Brazil

This station will introduce participants to the essential elements of optimal strip FUT graft preparation including slivering the donor strip, isolation of follicular unit grafts, and the use of microscopy, loupes, lighting, and ergonomics to maximize efficiency and minimize staff fatigue. By working closely with the experienced faculty, students will be able to identify the characteristics of the ideal graft and recognize the key elements necessary for graft survival which is important for both FUT and FUE.



V. Gambino



F. Le Voci



H. Radwanski

## STATION 5 Recipient Site Making and Graft Placement

FACULTY Jae Hyun Park, MD, PhD | South Korea  
Kavish Chouhan, MBBS, MD | India  
Moonkyu Kim, MD, PhD, FISHRS | South Korea  
Anastasios Vekris, MD | Greece

Participants will learn the correct angle, depth, and direction for the majority of hairline patterns. They will also gain an understanding of the differences between the various site creation devices, implantation by forceps vs. implanters and be able to choose the appropriate instrument for the graft being transplanted. Emphasis will be placed on managing common recipient site challenges and maximizing density for the patient.



J. Park



K. Chouhan



M. Kim



A. Vekris

## 402: ADVANCED/BOARD REVIEW COURSE

DATE	Wednesday   October 26, 2022
TIME	8:00AM-12:30PM
LOCATION	Westin Theatre BEACH LEVEL
FEE	\$495
LEVEL	Intermediate & Advanced – Physicians Only

### CHAIR

Georgios D. Zontos, MD, PhD, FISHRS | Denmark

### CO-CHAIRS

Steven P. Gabel, MD, FISHRS | USA

### FACULTY

Marco N. Barusco, MD, FISHRS | USA

Timothy P. Carman, MD, FISHRS | USA

Rana Irfan, MBBS | Pakistan

David S. Josephitis, DO, FISHRS | USA

Shalini Malhotra, MBBS, DNB | India

Daniel G McGrath, DO, FISHRS | USA

Robert P. Niedbalski, DO, FISHRS | USA

Kenneth L. Williams Jr., DO, FISHRS | USA



G. Zontos



S. Gabel

**COURSE DESCRIPTION** The ISHRS 2022 Advanced/Board Review Course intends to provide an innovative approach related to the most advanced hair transplant methods and the extensive preparation for the written and oral ABHRS exams. The curriculum is designed to offer the most to the two target audiences: the practitioners who aims at excelling on the written and oral ABHRS exams and the intermediate/advanced hair surgeons who are interested at scaling up by acquiring knowledge of the most sophisticated surgical techniques.

**LEARNING OBJECTIVES** Upon completion of this course, the participants will be able to:

- Explain in detail the following advanced hair loss diagnoses and treatment options:
  - Scarring Alopecia
  - Non-Shaven FUE
  - Trichoscopy
  - PRP
  - Non-Scarring Alopecia
- Summarize the philosophy of the ABHRS exams
- Have adequate preparation for succeeding at the oral and written ABHRS exams
- Identify personal areas that require improvement for a targeted content review
- Complete at least 3 different oral exam scenarios

### Continuing Medical Education (CME) Credit Statement

The International Society of Hair Restoration Surgery is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The International Society of Hair Restoration Surgery designates this Live Activity for a maximum of 4.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



### COURSE OUTLINE

8:00AM-8:05AM	<b>Introduction to the Course</b> Georgios D. Zontos, MD, PhD, FISHRS   Denmark
8:06AM-8:15AM	<b>Introduction to the ABHRS</b> Timothy P. Carman, MD, FISHRS   USA
8:16AM-8:30AM	<b>Scarring Alopecia</b> Marco N. Barusco, MD, FISHRS   USA
8:31AM-8:45AM	<b>Non-Scarring Alopecia</b> Timothy P. Carman, MD, FISHRS   USA
8:46AM-9:00AM	<b>Trichoscopy</b> Shalini Malhotra, MBBS, DNB   India
9:01AM-9:15AM	<b>Platelet Rich Plasma</b> Robert P. Niedbalski, DO, FISHRS   USA
9:16AM-9:30AM	<b>Non-Shaven FUE</b> Georgios D. Zontos, MD, PhD, FISHRS   Denmark
9:30AM-9:40AM	<b>Break</b>
9:40AM-10:45AM	<b>Written Examination Review</b> Steven P. Gabel, MD, FISHRS   USA Ken L. Williams, Jr., DO, FISHRS   USA
10:45AM-10:50AM	<b>Break</b>
10:50AM-12:10PM	<b>Oral Exam Scenarios</b>  Faculty Team 1 Marco N. Barusco, MD, FISHRS   USA & Rana M. Irfan, MBBS, FISHRS   Pakistan  Faculty Team 2 Timothy P. Carman, MD, FISHRS   USA & Ken L. Williams, Jr., DO, FISHRS   USA  Faculty Team 3 David S. Josephitis, DO, FISHRS   USA & Shalini Malhotra, MBBS, DNB   India  Faculty Team 4 Daniel G. McGrath, DO, FISHRS   USA & Robert P. Niedbalski, DO, FISHRS   USA
12:10PM-12:30PM	<b>Final wrap-up and discussion</b>

### This's course will be comprised of three parts:

**PART ONE** Participants will delve deep into 5 new advanced topics that will contribute to building up their skillset and knowledge: Scarring Alopecia, Non-Shaven FUE, Trichoscopy, PRP, and Non-Scarring Alopecia.

**PART TWO** Example written questions will be given to those interested in taking the ABHRS exams. Additionally, material and guidance on and how to work through those questions will be provided by top surgeons and faculty.

**PART THREE** For better and more efficient delivery and comprehension, this year for the first time, the mockups will be provided in two stages. First, there will be a role playing on stage with two acclaimed hair surgeons. One will be the examiner and the other the examinee. Then, there will be round tables with oral exam scenarios.

Additionally, all those who will participate in the course will be given access to the "On-Demand Advanced/Board Review Course Bundle," which includes 39 recorded lectures and previous years' recorded exam practice, for developing their knowledge armory.

Furthermore, this year all the faculty members are acclaimed Diplomates of the American Board of Hair Restoration Surgery (ABHRS), which adds up to the impact of the 2022 Advanced/Board Review Course. The registered participants will be taught by the best of the hair restoration field.



## 403: HALF-DAY COURSE

### The Other Half of the Population: New Thinking for Female Hair Loss Diagnosis, Treatment and Surgical Restoration

DATE Wednesday | October 26, 2022

TIME 1:30PM-5:00PM

LOCATION Westin Theatre BEACH LEVEL

FEE No extra fee

LEVEL Intermediate & Advanced – Physicians Only

#### DIRECTOR

Ratchathorn Panchaprateep, MD, PhD, FISHRS  
| Thailand

#### MODERATOR

Nicole E. Rogers, MD, FISHRS | USA

#### FACULTY

Anil K. Garg, MBBS, MS, MCh, FISHRS | India

Robert S. Haber, MD, FISHRS | USA

Russel Knudsen, MBBS, FISHRS | Australia

Gorana Kuka Epstein, MD, FISHRS | Serbia

Samuel M. Lam, MD, FISHRS | USA

Paulo Müller Ramos, MD, PhD | Brazil

Nina Otberg, MD | Germany

Jae Hyun-Park, MD, PhD | South Korea

Damkerng Pathomvanich, MD, FISHRS | Thailand

Carlos J. Puig, DO, FISHRS | USA

Marie A. Schambach, MD, FISHRS | Guatemala

Sanusi H. Umar, MD, FISHRS | USA

Robin Unger, MD | USA

Sergio Vano Galvan, MD | Spain



R. Panchaprateep



N. Rogers

**COURSE DESCRIPTION** This 3.5-hour course is being conducted to provide physicians knowledge in all aspects about female pattern hair loss (FPHL) from diagnosis to treatment. The clinical and dermoscopic characteristics of FPHL will be presented in this course. The important differential diagnosis of FPHL will also be provided. As a result of this activity, learners will be able to gain more knowledge to help treating the patients with FPHL including medical treatments, minimally invasive procedures (PRP, LLLT, adipose tissue derived, exosomes, extracellular vesicles and SMP), FUT and FUE techniques.

#### COURSE OUTLINE

1:30PM-1:33PM **Moderator Introduction**  
Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand  
Nicole E. Rogers, MD, FISHRS | USA

#### DIAGNOSIS

1:33PM-1:43PM **How to Diagnosis Female Pattern Hair Loss (FPHL)**  
Nina Otberg, MD | Germany

1:43PM-1:53PM **FPHL and its Differential Diagnosis**  
Ratchathorn Panchaprateep, MD, PhD | Thailand

1:53PM-2:00PM **Questions & Answers**

#### MEDICAL TREATMENTS

2:00PM-2:10PM **Topical and Oral Minoxidil: Old Drug, Revisited**  
Paulo Müller Ramos, MD, PhD | Brazil

2:10PM-2:20PM **Androgen Modulating Drugs (spironolactone, finasteride, dutasteride, cyproterone acetate, etc.)**  
Nicole E. Rogers, MD, FISHRS | USA

2:20PM-2:30PM **New Medications (bicalutamide, clascoterone)**  
**RECORDED PRESENTATION**  
Sergio Vano Galvan, MD | Spain

2:30PM-2:40PM **Questions & Answers**

#### MINIMALLY INVASIVE PROCEDURES FOR FPHL

2:40PM-2:50PM **Platelet-Rich Plasma**  
Anil K. Garg, MBBS, MS, MCh, FISHRS | India

2:50PM-3:00PM **Low Level Laser Therapy**  
Carlos J. Puig, DO, FISHRS | USA

3:00PM-3:10PM **Adipose-Tissue Derived / Stromal Vascular Fraction (SVF)**  
Gorana Kuka Epstein, MD, FISHRS | Serbia

3:10PM-3:20PM **Questions & Answers**

#### SURGICAL TREATMENT

3:20PM-3:30PM **FUT Patient Selection, Pros-Cons and Technique**  
Damkerng Pathomvanich, MD, FISHRS | Thailand

3:30PM-3:40PM **Female Hairline Correction**  
Jae Hyun-Park, MD, PhD | South Korea

3:40PM-3:55PM **Female Hairline Design: How I Do It**  
Jae Hyun-Park, MD, PhD | South Korea (Moderator)  
Robin Unger, MD | USA **RECORDED PRESENTATION**  
Robert S. Haber, MD, FISHRS | USA

3:55PM-4:03PM **Questions & Answers**

4:03PM-4:13PM **FUE for FPHL: Non-Shaven FUE**  
Marie A. Schambach, MD, FISHRS | Guatemala

4:13PM-4:23PM **Preview Long Hair FUE (10 mins)**  
Jae Hyun-Park, MD, PhD | South Korea

4:23PM-4:33PM **FUE in African American Woman**  
Sanusi H. Umar, MD, FISHRS | USA

4:33PM-4:43PM **Hair Transplant in Ludwig Type FPHL**  
Russel Knudsen, MBBS, FISHRS | Australia

4:43PM-4:51PM **Managing Postoperative Shedding in Women**  
Samuel M. Lam, MD, FISHRS | USA

4:51PM-5:00PM **Questions, Answers, and Wrap-Up Session**

# CSI CASES, STUDIES & INNOVATIONS PRESENTATIONS



These presentations are selected from submitted abstracts on various topics. Each CSI has prepared their presentation in either a pre-recorded video, poster PDF, or both. Attendees may view the CSI presentations at their leisure once the platform opens on

October 17, 2022 and may be viewed until February 15, 2023.

## BASIC SCIENCE UPDATE

### CSI-001 Differential Expression of Macroevironment Structures in Balding and Non-Balding Scalp

Nilofer P. Farjo, MBChB, FISHRS | United Kingdom

### CSI-002 Stretched Scars are Characterised by Decreased Expression Levels of Thrombospondin 1 and 2

Greg Williams, MBBS, FISHRS | United Kingdom

## BODY HAIR (Including Eyebrows, Beards, Eyelashes and other Body hair)

### CSI-003 Clinical Practice of Eyebrow Restoration Using Postauricular Hairline Follicles

Hanxiao Cheng, MD | China

## COMPLICATIONS AND CHALLENGING CASES

### CSI-004 Polarized Light Microscopy New Diagnostic Perspectives

Gianluigi Antognini | Italy

### CSI-005 Revision Hair Transplant - Challenges and Solutions

Sunil Arora, MBBS, MS, MCh | India

### CSI-006 Combined Surgical Techniques for Reconstruction of Post-Burn Scarring Alopecia

Jennyfer Granizo, MD | Ecuador

### CSI-007 An Overview on Scalp Micropigmentation in Combination with Hair Transplant for Severe Hair Loss Cases

Sara Lea Salas, MD | Mexico

### CSI-008 Serial Treatment of Hair Transplantation After Fat Grafting in Cicatricial Alopecia with Atrophic Characteristics

Songjia Tang, MD | China

## CONSULTATION AND EVALUATION

### CSI-009 Characterization of Retrograde Androgenetic Alopecia in Indian Population

Muthuvel Kumaresan, MD | India

## FOLLICULAR UNIT EXCISION

### CSI-010 Follicular Unit Excision in the Treatment of Male FPHL

Jinran Lin, MD, PhD | China

### CSI-011 FUE, The Conflict of Interest!

M. Humayun Mohmand, MD, FISHRS | Pakistan

### CSI-012 The 16 Steps to Pull a Graft

Mauro Speranzini, MD, FISHRS | Brazil

## GRAFT PLACEMENT, INCLUDING IMPLANTERS

### CSI-013 Implanters and High Densities (No Pre-Made Sites)

Felix Popescu, MD | Romania

### CSI-014 Spin Maneuver

Mauro Speranzini, MD, FISHRS | Brazil

### CSI-015 Sapphire FUE Technique Versus Other Techniques

Bruno Szyferman, MD | Argentina

## HAIR CLONING, DUPLICATION, AND GROWTH FACTORS

### CSI-016 Stem Cell Treatment of Early Androgenic Alopecia and Hair Fall with a Cost Effective Stem Cell Equipment

Mughese Amin, MBBS | Pakistan

## HAIR LOSS IN WOMEN

### CSI-017 Mesotherapy with Bicalutamide: A New Treatment for Androgenetic Alopecia

Alba Gómez-Zubiaur, MD | Spain

### CSI-018 Hair Loss in Women

Myroslava Novosilska, MD | Ukraine

### CSI-019 Tips and Tricks for Successful Hair Transplantation in Ludwig Type Female Pattern Hair Loss (FPHL)

Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand

## HAIRLINE, TEMPLES, AND CROWN DESIGN (Artistry and Aesthetics)

### CSI-020 Art and Science of Vertex Hair Transplantation

Gaurav Garg, MBBS, MD | India

### CSI-021 Trending Aesthetics on Asian Female Hairline Designs

Nanyi Jiang, MD | China

### CSI-022 The Importance of Positioning the Dividing Hair Flow for Female Hairline Transplant

Yi Jung Lin, MD | Taiwan

## INNOVATIONS AND INVENTIONS

### CSI-023 Hair Follicle Stem Cells Activation with Polylactic solution Androgenetic Alopecia and Alopecia Areata

Salome Vadachkoria, MD | Georgia

## LINEAR EXCISION AND OTHER SURGICAL TECHNIQUE

### CSI-024 Innovation in Creating Invisible Scar in FUT Method by Changing Place of Harvesting From Classic Place to Lower Part Occiput in the Safe Donor Area

Gholamali Abbasi, MD, FISHRS | Iran

## NON-AGA HAIR LOSS

### CSI-025 Relative Efficacy of Monotherapy with Biologics for Alopecia Areata

Aditya Gupta, MD, PhD, FISHRS | Canada

## NON-SURGICAL OR MEDICAL THERAPIES

### CSI-026 Umbilical Cord-Derived Mesenchymal Stem Cells (MSCs) Intradermic Mesotherapy for Hair Follicular Stimulation: Retrospective Observational Study

Jesús Díaz, MD | Chile

### CSI-027 Evaluation of Stress Induced Hair loss Through Biomarkers of Allostatic Load and Response to Nutritional Supplements

Rajendrasingh Rajput, MS, MCh, FISHRS | India

## OTHER

### CSI-028 Hair Loss After SARS-CoV-2 Vaccination- Review of the Literature and Clinical Experience

Gorana Kuka Epstein, MD, FISHRS | Serbia

### CSI-029 Tranexamic Acid

Joseph Yaker, MD | USA

## RECIPIENT SITE TECHNIQUES

### CSI-030 Postoperative Care to Improve Healing- Nutrition, Supplementation, Medications and Effective Procedures

Gorana Kuka Epstein, MD, FISHRS | Serbia



# THANK YOU FACULTY

**We truly appreciate your dedication and expertise in the planning, preparation, and presentation of materials to contribute to the 30th World Congress!**

Gholamali Abbasi, MD, FISHRS | Iran  
 Mughese Amin, MBBS | Pakistan  
 Juanita J. Anders, PhD | USA  
 Gianluigi Antognini | Italy  
 Sunil Arora, MBBS, MS, MCh | India  
 Marc R. Avram, MD, FISHRS | USA  
 Marco N. Barusco, MD, FISHRS | USA  
 Fernando T. Basto, Jr., MD, FISHRS | Brazil  
 Maria Asensi Bertomeu, MD | Spain  
 Otavio A. Silva Lima Boaventura, MD | Brazil  
 Scott A. Boden, MD, FISHRS | USA  
 Igor A. Bottura, MD | Brazil  
 Laura Burdine | USA  
 Laura Caicedo Albarello, MD | Spain  
 Juan Campillo, MD | Mexico  
 Timothy P. Carman, MD, FISHRS | USA  
 Hanxiao Cheng, MD | China  
 Kavish Chouhan, MBBS, MD | India  
 Maxim Chumak, MD | USA  
 Ivan S. Cohen, MD, FISHRS | USA  
 Jerry Cooley, MD, FISHRS | USA  
 Márcio Crisóstomo, MD, FISHRS | Brazil  
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 Thomas L. Dawson, Jr., PhD | Singapore  
 Jean Devroye, MD, FISHRS | Belgium  
 Jesús Díaz, MD | Chile  
 Aman Dua, MBBS, MD, FISHRS | India  
 Kapil Dua, MBBS, MS, FISHRS | India  
 Shady El-Maghraby, MD, MSC, FISHRS | Egypt  
 Edwin S. Epstein, MD, FISHRS | USA  
 Bessam K. Farjo, MBChB, FISHRS | United Kingdom  
 Nilofer P. Farjo, MBChB, FISHRS | United Kingdom  
 Bruno F. Ferreira, MD | Portugal  
 Steven P. Gabel, MD, FISHRS | USA  
 Sam Gaffey | United Kingdom  
 Vincenzo Gambino, MD, FISHRS | Italy  
 Mario Garcia, MD | Mexico  
 Anil K. Garg, MBBS, MS, MCh, FISHRS | India  
 Gaurav Garg, MBBS, MD | India  
 Seema Garg, MBBS, MSc, FISHRS | India  
 Alex Ginzburg, MD, FISHRS | Israel  
 Alba Gómez-Zubiaur, MD | Spain  
 Jennyfer Granizo, MD | Ecuador  
 Guillermo Guerrero-Gonzalez, MD | Mexico  
 Aditya Gupta, MD, PhD, FISHRS | Canada  
 Robert S. Haber, MD, FISHRS | USA  
 James A. Harris, MD, FISHRS | USA  
 Claire Higgins, PhD | United Kingdom  
 Chiara Insalaco, MD, PhD | Italy  
 Rana M. Irfan, MBBS, FISHRS | Pakistan  
 Vikram Jayaprakash, BM | Australia  
 Nanyi Jiang, MD | China  
 Francisco Jimenez, MD, FISHRS | Spain  
 David S. Josephitis, DO, FISHRS | USA  
 Sharon A. Keene, MD, FISHRS | USA  
 Moonkyu Kim, MD, PhD, FISHRS | South Korea  
 Russell Knudsen, MBBS, FISHRS | Australia  
 Jennifer Krejci, MD | USA  
 Laura Krysz, RN | Spain  
 Gorana Kuka Epstein, MD, FISHRS | Serbia  
 Muthuvel Kumaresan, MD | India  
 Samuel M. Lam, MD, FISHRS | USA  
 Tina Lardner | USA  
 Kongkiat Laorwong, MD, FISHRS | Thailand  
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 Injae Lee, MD | South Korea  
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 M. Humayun Mohmand, MD, FISHRS | Pakistan  
 Leoncio Moncada, MD | Venezuela  
 Maria C. Morales, MD | Dominican Republic  
 Maria Angelica Muricy, MD | Brazil  
 Luis A. Nader, MD | Mexico  
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 Myroslava Novosilska, MD | Ukraine  
 Osman Tayfun Oguzoglu, MD, FISHRS | Turkey  
 Luis Ortega, MD | Ecuador  
 Achiamah Osei-Tuto, MD | USA  
 Nina Otberg, MD | Germany  
 Ozgur Oztan, MD, PhD | Turkey  
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 Ratchathorn Panchaprateep, MD, PhD, FISHRS | Thailand  
 Jae-Hyun Park, MD, PhD | South Korea  
 Damkerng Pathomvanich, MD, FISHRS | Thailand  
 David Perez-Meza, Lt Col Ret, MD, FISHRS | Spain  
 Pasu Piamphongsant, MD | Thailand  
 Marcelo Pitchon, MD | Brazil  
 Nestor A. Pissano, MD | Spain  
 Felix Popescu, MD | Romania  
 Maria Victoria Porras, MD | Ecuador  
 Carlos J. Puig, DO, FISHRS | USA  
 Henrique N. Radwanski, MD | Brazil  
 Rajendrasingh Rajput, MS, MCh, FISHRS | India  
 Paulo Müller Ramos, MD, PhD | Brazil  
 William R. Rassman, MD | USA  
 Alba Reyes, MD | Dominican Republic  
 Rene A. Rodriguez, MD | Colombia  
 Nicole E. Rogers, MD, FISHRS | USA  
 Paul T. Rose, MD, JD, FISHRS | USA  
 Antonio S. Ruston, MD | Brazil  
 Sara L. Salas, MD | Mexico  
 Lauren Saltzburg, DO, MBA, MA | USA  
 Marie A. Schambach, MD, FISHRS | Guatemala  
 Miriam Scheel, MD | Guatemala  
 Pradeep K. Sethi, MD, FISHRS | India  
 Ronald L. Shapiro, MD, FISHRS | USA  
 Christine Shaver, MD | USA  
 Meena Singh, MD | USA  
 Mauro Speranzini, MD, FISHRS | Brazil  
 Aishwarya Sridharan, PhD | Singapore  
 Dow B. Stough, MD | USA  
 Bruno Szyferman, MD | Argentina  
 Songjia Tang, MD | China  
 Rattapon Thuangtong, MD | Thailand  
 Luis Roberto Trivellini, MD, FISHRS | Paraguay  
 Robert H. True, MD, MPH, FISHRS | USA  
 Akaki Tsilosani, MD, PhD, FISHRS | Georgia  
 Arthur Tykocinski, MD, FISHRS | Brazil  
 Sanusi H. Umar, MD, FISHRS | USA  
 Robin Unger, MD | USA  
 Salome Vadachkoria, MD | Georgia  
 Sergio Vano Galvan, MD, PhD | Spain  
 Anastasios Vekris, MD | Greece  
 Marco Velasquez, MD | Peru  
 Conradin von Albertini, MD, FISHRS | Switzerland  
 Ken Washenik, MD, PhD, FISHRS | USA  
 Sara M. Wasserbauer, MD, FISHRS | USA  
 Alan Wells, MD | Brazil  
 Ryan Welter, MD PhD | USA  
 Greg Williams, MBBS, FISHRS | United Kingdom  
 Ken L. Williams, Jr., DO, FISHRS | USA  
 Bradley R. Wolf, MD, FISHRS | USA  
 Joseph Yaker, MD | USA  
 Kazuhito Yamamoto, MD, PhD | Japan  
 Masayuki Yanagisawa, MD, PhD | Japan  
 Sebastian Yriart, MD | Argentina  
 Zhentao Zhou, MD | China  
 Georgios D. Zontos, MD, PhD, FISHRS | Denmark



## EXHIBITS

### You are invited

to visit the technical exhibit show at the ISHRS 30th World Congress, located in the Seascape Ballroom (Mezzanine Level) of the Westin Playa Bonita.

Companies of interest to hair restoration surgeons will be displaying their products and services. Representatives will be available to answer questions.

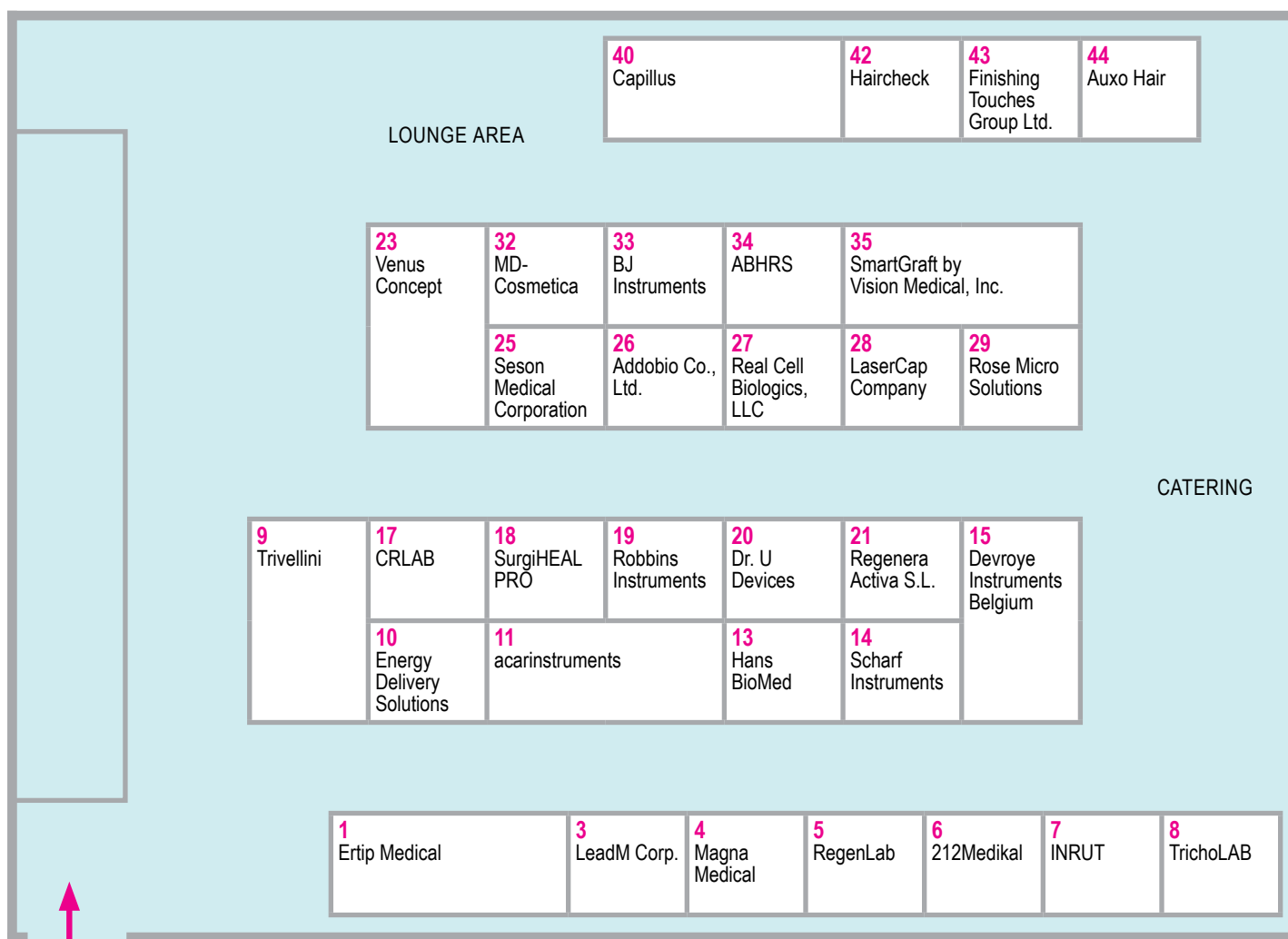
Seascape Ballroom MEZZANINE LEVEL

THURSDAY   October 27, 2022	8:30AM-7:30PM
Welcome Reception in Exhibit Hall	6:00PM-7:30PM
FRIDAY   October 28, 2022	8:30AM-5:30PM
SATURDAY   October 29, 2022	8:30AM-2:30PM

**ATTENDEE DUE DILIGENCE** An exhibitor's participation in the World Congress is not an endorsement by the ISHRS of the exhibitor, its products or services, or information provided by the exhibitor. ISHRS makes no representations or warranties regarding any exhibitor or its products or services. An attendee's decision to purchase and use an exhibitor's product or service is at the attendee's sole risk. Due to the international nature of the World Congress, exhibitors from many countries exhibit at the World Congress.

It is the responsibility of each attendee to practice due diligence and evaluate an exhibitor's products or services to determine whether the exportation, importation, licensing, or use of an exhibitor's products or services is consistent with the law and medical rules, standards, and ethics applicable to the attendee.

## SEASCAPE BALLROOM MEZZANINE LEVEL





BOOTH 6	BOOTH 11	BOOTH 26
 <p><b>212Medikal</b>                      Ikitelli OSB, ESKOOP Sanayi Sitesi                      C4-2 Block, No 146 Basaksehir                      Istanbul, 34490 TURKEY                      Phone: +905333701782  <a href="mailto:thomas@212medical.com.tr">thomas@212medical.com.tr</a>  <a href="http://www.212medical.com.tr">www.212medical.com.tr</a>                      Thomas Paternoster, International Sales Director  <i>212Medikal is a manufacturer of hair transplant medical instruments to assist surgeons around the world. With its own innovative factory and expert craftsmen, 212Medikal currently exports to 36 countries and is also an industry leader in Turkey.</i></p>	 <p><b>acarinstruments</b>                      Nispetiye, mh baslik sok no 3B                      etiler Besiktas                      Istanbul, 24100 TURKEY                      Phone: +4921169587309  <a href="mailto:dr.acar@yahoo.com">dr.acar@yahoo.com</a>  <a href="http://www.acarinstruments.com">www.acarinstruments.com</a>                      Levant Acar, MD, Owner/CEO  <i>Robopen, recipient site handheld and automated hair transplant incision device.</i></p>	 <p><b>AddoBio Co., Ltd</b>                      513 JEI Platz, 186 Gasan Digital 1-ro                      Geumcheon-gu                      Seoul, 08502 SOUTH KOREA                      Phone: +82-2-6267-5117                      Fax: +82-2-6267-5110  <a href="mailto:selinanam@addobio.com">selinanam@addobio.com</a>  <a href="http://www.addobio.com">www.addobio.com</a>                      Selina Nam, Associate  <i>Needleless Scalp Micropigmentation product.</i></p>
BOOTH 34	BOOTH 44	BOOTH 33
 <p><b>American Board of Hair Restoration Surgery</b>                      8840 Calumet Avenue, Suite 205                      Munster, IN 46321 USA                      Phone: +1-219-836-5858                      Fax: +1-219-836-5525  <a href="mailto:emilyv@abhrrs.org">emilyv@abhrrs.org</a>  <a href="http://www.abhrrs.org">www.abhrrs.org</a>                      Emily Valerius, Director of Operations  <i>The American Board of Hair Restoration Surgery examines &amp; certifies qualified surgeons and seeks to establish specialty standards regarding a surgeon's skill, knowledge &amp; aesthetic judgment in the specialty of Hair Restoration Surgery.</i></p>	 <p><b>Auxo Hair</b>                      4601 NW 77th Ave.                      Miami, FL 33166 USA                      Phone: +1-888-410-2896  <a href="mailto:info@auxohair.com">info@auxohair.com</a>  <a href="https://auxohair.com/">https://auxohair.com/</a>                      Felix Perez, CEO  <i>All AUXO LLLT devices with patent pending design are FDA cleared (K220543). They are the first FDA cleared devices to use SMT (Surface-Mount Technology) diodes to promote new hair growth and slow down hair loss in adults with androgenic alopecia.</i></p>	 <p><b>BJ Instruments</b>                      Calle Mallorca 326                      Barcelona, 08037 SPAIN                      Phone: 0034-639981185  <a href="mailto:info@bjinstruments.com">info@bjinstruments.com</a>  <a href="http://www.bjinstruments.com">www.bjinstruments.com</a>                      Bruno Jacobovski  <i>Medical devices for hair transplantation.</i></p>
BOOTH 40	BOOTH 17	BOOTH 15
 <p><b>Capillus</b>                      1715 NW 82 Avenue                      Doral, FL 33126 USA                      Phone: +1-786-888-6249  <a href="mailto:info@capillus.com">info@capillus.com</a>  <a href="http://www.capillus.com">www.capillus.com</a>  <i>Curallux is a leading ISO-13485 certified US medical-device manufacturer of various models of Capillus® photobiomodulating devices which are FDA-Cleared for the treatment of androgenetic alopecia. Capillus laser therapy is clinically proven with published results.</i></p>	 <p><b>Cesare Ragazzi Laboratories - CRLAB</b>                      Via Benini 11                      Zola Predosa, 40069 ITALY                      Phone: +393425403971  <a href="mailto:stefano.ospitali@crlab.com">stefano.ospitali@crlab.com</a>, <a href="http://www.crlab.com">www.crlab.com</a>                      Stefano Ospitali  <i>Custom made scalp and hair prosthetic, cosmetic hair products.</i></p>	 <p><b>Devroye Instruments Belgium</b>                      Avenue de Tervueren 36                      Brussels, 1040 BELGIUM                      Phone: +32 28807064  <a href="mailto:info@devroyeinstruments.com">info@devroyeinstruments.com</a>  <a href="https://www.devroyeinstruments.com">https://www.devroyeinstruments.com</a>                      Dr. Jean Devroye  <i>Devroye Instruments is a hair transplant devices company based in Brussels, Belgium. Our WAW system and Punch are known for producing excellent results for FUE procedures with a considerably low transection rate and high-quality grafts. Our system is trusted by top hair transplant surgeons in the world.</i></p>

## BOOTH 20

**Dr. U Devices**

2121 N. Sepulveda Blvd. #200  
Manhattan Beach, CA 90266 USA

Phone: +1-714-331-9565

ossy@dru.com  
ugraft.com

Ossy Chandiyana, Head of Sales

*Dr.UGraft Zeus™ is a one punch all-purpose FUE device that enables consistent and effective FUE extraction in all patients of all skin or hair types. Key benefits include speed, low maintenance, top quality grafts and excellent wound healing.*

## BOOTH 10

**Energy Delivery Solutions**

3315 Industrial Parkway  
Jeffersonville, IN 47130 USA

Phone: +1-812-920-0596

bill.ehringer@energy-delivery-solutions.com  
www.energy-delivery-solutions.com

Bill Ehringer, CEO

*ATPv is an additive for graft holding solutions that provides ATP to isolated tissues. Vitalise, is the world's only post-operative spray that contains ATP providing both donor and recipient sites optimum healing. CT-STOR is the first FDA cleared device that is an all in one holding solution optimized for dermal tissues.*

## BOOTH 1

**Ertip Medical**

Halide Edip Adivar Mah Akar Cad  
No:38 K:3 D:8 Sisli  
Istanbul, 34382 TURKEY

Phone: +905077656095

info@ertipmedical.com  
www.ertipmedical.com

Mrs. Busra Eryigit Gul, Executive Director

*ERTIP Medical offers a full surgical room set up including FUE surgical instruments such as FUE punches, micro motorized system, medical beds and chairs, tables, surgical lights etc. We offer fast delivery around the world.*

## BOOTH 43

**Finishing Touches Group Ltd.**

Unit 6 Bridge Road Business Park  
Haywards Heath, RH16 1TX UNITED KINGDOM

Phone: +44 1444 414744

emma@finishingtouchesgroup.com  
www.finishingtouchesgroup.com

Emma Furlong, Hair Loss Specialist

*Hair loss micropigmentation specialists; educators, product manufacturers and suppliers of all things micropigmentation and micro-needling.*

## BOOTH 42

**Haircheck**

12188 SW 128th St.  
Miami, FL 33186 USA

Phone: +1-305-253-5545

Fax: +1-305-253-6696

vidal@iberiusllc.com  
www.haircheck.com

Michael Vidal, President

*Patented technology measures hair loss, breakage, and response to treatments. Haircheck gives a precise measurement of "how much hair" is present in an area of scalp and will generate a "hair score" to aid in the diagnosis of thinning and shedding.*

## BOOTH 13

**HansBiomed**

Avenida Carrera 19 #120-71  
Ofc 213  
Bogota, 110111 COLUMBIA

Phone: +(302)3126561

ivancasd@hansbiomed.com  
www.hansbiomed.com

Lion Hair Transplant System.

## BOOTH 7

**INRUT**

2, Nongong-ro 117-gil, Nongong-eup,  
Dalseong-gu  
Daegu SOUTH KOREA

Phone: +82-10-9659-7006

inrut@inrut.co.kr  
www.inrut.co.kr

Mr. Kim Byongsul, Senior Director

*INRUT by OHDAE Corporation is a multi-hair transplanter, which can be equipped with 10 hair follicles at a time and reduces the number of replacements of the transplanter by one-tenth compared to the hair transplanter equipped with only one follicle at a time.*

## BOOTH 28

**LaserCap Company**

26 Alpha Park  
Highland Heights, OH 44143 USA

Phone: +1-440-465-3321

jrabin@laserlap.com  
www.laserlap.com

Jacob Rabin, Vice President Business Development

*LaserCap is the original low-level laser therapy (LLLT) device, FDA-cleared to treat male and female pattern hair loss.*

## BOOTH 3

**LeadM Corp.**

6F  
142-gil, Seocho daero, Seocho Gu  
Seoul, 06661 SOUTH KOREA

Phone: +82-10-5492-1010  
Fax: +82-2-6008-6112

teleeekr@gmail.com  
www.anagen.co.kr

Terry Lee, Manager

*Folliscope which is for measuring hair density and caliber using microscopic camera and software. Choi implanter and Mohebi inserter is for stick and place hair transplantation surgery.*



## BOOTH 4

**Magna Medical**

Giyimkent 8.st No 25 Esenler  
Istanbul, TURKEY

Phone: +90-542-8252600

deniz@magna-medical.com

www.magna-medical.com

Deniz Kosdemir, GM

KEEP Implanters, FUE Punches.

## BOOTH 32

**MD Cosmetica**

650 West Lake Cook Road  
Suite 250

Buffalo Grove, IL 60089 USA

Phone: +1-847-215-4968

chase@mdcosmetica.com

www.mdcosmetica.com

*Producers of unique peptide based products that create a healthy nourishing environment for hair.*

## BOOTH 27

**RealCell Biologics LLC**

P.O. Box 163  
Estero, FL 33929 USA

Phone: 1-309-256-9773

tami.banno@realcell.com

www.realcell.com

Tamilyn Anne Banno, Senior Sales Representative

*RealCell Biologics is a premier regenerative medicine distributorship for EmCyte Corporation. Our featured products are the EmCyte Platinum Centrifuge, PRP Concentrating Systems, and Adipose kits. We provide the highest quality of products and blue-ribbon service to our clients*

## BOOTH 21

**Regenera Activa S.L.**

Carrer de Sant Ferran 10-12 local  
Barcelona, 08031 SPAIN

Phone: +697194291

travels@regeneraactiva.com

https://regeneraactiva.com/

Alexandre Andreu Dedeu, CEO

*Regenera is a medical-grade disposable device used for mechanical disaggregation of human skin samples, allowing the surgeon to obtain autologous & homologous suspension of calibrated tissue aggregates.*

## BOOTH 5

**RegenLab**

140A 158th Street  
Brooklyn, NY 11220 USA

Phone: 1-800-220-9082

customercare@regenlab.com

www.regenlabusa.com

*RegenLab® has unique expertise in designing and manufacturing technology-based medical devices for bedside preparations of fresh autologous biologics. A global leader in platelet-rich plasma, driven and recognized for its research-based approach to life sciences. RegenKits® guarantee precision, patient safety, and preparation efficiency.*

## BOOTH 19

**Robbins Instruments**

2003 Edwards St.  
Houston, TX 77007 USA

Phone: +1-866-336-1333

info@robbinsinstruments.com

www.robbinsinstruments.com

Danny Nguyen, Sales Manager

*Robbins Instruments will have on display our Swiss Jewelers Forceps in various patterns and tip lengths. Power Assisted FUE device and various FUE punches.*



## BOOTH 29

**Rose Micro Solutions**

4105 Seneca Street  
Buffalo, NY 14224 USA  
Phone: +1-716-608-0006  
mark@rosemicrosolutions.com  
www.rosemicrosolutions.com  
Mark Overhoff, Managing Partner  
*Optical Loupes & LED Lighting systems.*

## BOOTH 14

**Scharf Instruments**

Riemenschneider Str. 26  
Nuernberg. 90408 GERMANY  
Phone: +49 176 34165802  
atif@scharfmed.com  
www.scharfmed.com  
Muhammad Atif, Managing Director  
*FUE Punch, FUE Forceps, FUE Micromotor, Sapphire blades, CHOIS Implanters.*

## BOOTH 25

**Seson Medical Corporation**

301, 3F, 62 Apgujeong-ro 2-gil  
Gangnam-gu, 06035 SOUTH KOREA  
Phone: +82-10-4523-9039  
sesonmedical@naver.com  
http://www.sesonmd.com  
Christina Noh, International Sales  
*Seson Medical means "the third hand," which reflects our goal to provide useful and essential medical instruments. We put trust as our top priority. The FUE device, GraMAX, aims for more convenient and faster extraction. Rainbow Implanters are aimed for faster and more accurate transplantation*

## BOOTH 35

**SmartGraft FUE by Vision Medical, Inc.**

46 Regency Plaza  
Glen Mills, PA 19342 USA  
Phone: +1-610-680-7676  
Fax: +1-610-616-5702  
office@smartgraft.com  
www.smartgraft.com  
Roger Parkin, CEO  
*SmartGraft® FUE closed harvesting canister system keeps grafts chilled & hydrated, optimizing graft preservation & survival, with improved patient outcomes. We offer ancillary products to support growth treatment, marketing, lead generation, & education.*

## BOOTH 18

**SurgiHEAL PRO**

177 Townes Ct.  
Dripping Springs, TX 78620 USA  
Phone: +1-972-467-4628  
tezell@surgihealpro.com, www.surgihealpro.com  
Tony Ezell, MS  
*SurgiHEAL PRO is a HOCl-based skin cleanser and wound healing agent used intraoperatively and post-operatively to aid in the healing of hair restoration surgical procedures.*

## BOOTH 8

**TrichoLAB**

Orzycka 27  
Warsaw, 02-695 POLAND  
Phone: +48 608 55 44 33  
hubert.lacki@tricholab.com  
www.tricholab.com  
Hubert Lacki, Operations Director  
*TrichoLAB studio is an all-in-one hair assessment system. Based on trichoscopy examination and standardized clinical images, it objectively calculates the available grafts in the donor area as well as the needed ones in the recipient area without even shaving.*

## BOOTH 9

**Trivellini**

Alfredo Seiferheld #5315  
Asuncion, 1412 PARAGUAY  
Phone: +595992316840  
info@trivellinitech.com  
www.trivellinitech.com  
*The Trivellini System is a device in the field of FUE surgery. This device incorporates technological improvements in electronics and materials to achieve high levels of performance.*

## BOOTH 23

**Venus Concept**

235 Yorkland Blvd., Suite 900  
Toronto, ON M2J 4Y8 CANADA  
Phone: +1-888-907-0115  
marketing@venusconcept.com  
https://www.venusconcept.com/  
*Robotic Hair Restoration Device.*





# GLOBAL COUNCIL OF HAIR RESTORATION SURGERY SOCIETIES

The image displays a collection of logos for international hair restoration societies, arranged in a grid-like fashion. The logos are as follows:

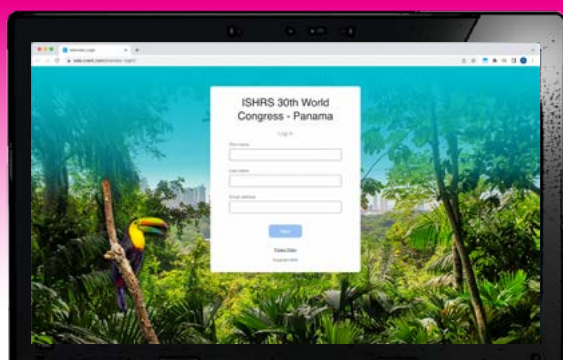
- ABHRS**: American Board Of Hair Restoration Surgery
- AAHRS**: Association of Hair Restoration Surgeons of India
- AAHRS**: Associação Brasileira de Cirurgia da Restauração Capilar
- HRSP**: Hair Restoration Society of Pakistan
- AMeTReC**: American Medical Association of Hair Restoration Surgeons
- HAHRs**: Hair Restoration Society of America
- HAHRs**: Hair Restoration Society of America
- s.i.tri.**: Italian Society for Hair Science and Restoration
- AARC**: Asociación Argentina de Recuperación Capilar
- BAHRS**: British Association of Hair Restoration Surgeons
- SSHRS**: Swiss Society for Hair Restoration Surgery
- SPACREC**: Paraguayan Society of Hair Restoration surgery
- TSHRS**: Tokyo Society of Hair Restoration Surgery
- ISCHR**: International Society of Clinical Hair Restoration
- AAHT**: Asian Association of Hair Transplantation

## MORE ABOUT THE ATTENDEE HUB

### ISHRS ATTENDEE HUB

OPENS	MONDAY   OCTOBER 17, 2022	11:00AM CDT
ON-DEMAND EDUCATION	AVAILABLE BEGINNING TUESDAY   NOVEMBER 15, 2022	12:00PM CST
CLOSES	WEDNESDAY   FEBRUARY 15, 2023	12:00PM CST

### ISHRS ATTENDEE HUB WEBSITE <https://cvent.me/Ok3Lqx>



### LOG IN

Repeat this each time you want to access the Attendee Hub.

- 1 Enter your First Name, Last Name, and Email Address (the email address you registered for the congress with.)
- 2 Click Next.
- 3 A verification code will be sent to the email address you entered.
- 4 Retrieve the six-digit code and enter it into the site.
- 5 Click "Log in"



### DURING THE MEETING

The Attendee Hub will have the same session details and access to congress resources as the congress app during the live meeting dates. Live Questions & Answers and Polling may also be accessed via the Attendee Hub. Those who prefer to view meeting details on a laptop, or in an internet browser, are encouraged to access the Attendee Hub for this information.

### ON DEMAND

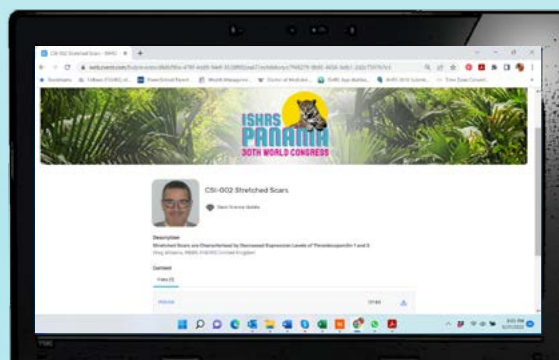
On demand education during the ISHRS 2022 World Congress will consist of:

- Cases, Studies, and Innovations (CSI) Presentations
- Recordings of the live sessions

### Cases, Studies, and Innovations (CSI) Presentations

Congress attendees may visit CSI Presentations of interest at any time during the World Congress. From the navigation bar locate "CSI Presentations" and you will be directed to an index of CSI presentations. These presentations will be sorted by **category** and then **author last name**.

Inside each CSI Presentation will be the presentation title, primary author name, and a link to view the video and/or poster PDF. The link to the poster or video can be found under "Content."



### Recordings of Live Sessions

All live Focused and General Sessions, except the Surgical Assistants sessions, will be recorded in Panama and made available to attendees. This material can be accessed within the **Sessions**.

### EXHIBITS

There will not be a virtual exhibit hall this year. Attendees can view a list of exhibiting companies in the Final Program Guide, in the Congress App and Attendee Hub. Attendees are encouraged to view this list to learn about companies of interest.

### MEETING CONCLUSION

Registered attendees have access to the meeting site until February 15, 2023. Attendees will have access to the Recorded Educational Sessions, CSI Presentations, and Handouts and Final Program Guide.

All registered physician attendees of the 2022 ISHRS World Congress will also receive complimentary registration to the 2023 CME Webinar Series, which will provide an opportunity for live online education, and networking with your colleagues.



## COVID HEALTH & SAFETY INFORMATION

### WHAT TO DO

#### IF YOU BECOME SICK DURING THE WORLD CONGRESS

*If you are experiencing any of the following symptoms, seek out a COVID-19 test and do not attend any further educational sessions or social events of the World Congress:*

- ▶ Fever or chills
- ▶ Cough
- ▶ Shortness of breath or difficulty breathing
- ▶ Fatigue
- ▶ Muscle or body aches
- ▶ Headache
- ▶ New loss of taste or smell
- ▶ Sore throat
- ▶ Congestion or runny nose
- ▶ Nausea or vomiting
- ▶ Diarrhea

- ▶ Keep in mind that there can be a latent period between the onset of symptoms and receiving a positive test result. If you have symptoms consistent with COVID-19, or known exposure, do not attend further sessions of the World Congress and take a repeat test in 1-3 days.
- ▶ We encourage all attendees to travel with self-administered tests because testing availability is not as widespread as it once was.
- ▶ Hotel staff can assist in arranging a COVID-19 test at the following costs:  
\$75 USD Antigen Test  
\$100 USD PCR Test  
\$120 USD PCR Express Test
- ▶ If you receive a positive COVID test in Panama, you will be asked to quarantine for a minimum of 5 days. You are able to stay at the Westin Playa Bonita for the period of quarantine at your own expense. You will not be allowed to leave your guestroom for the duration of the quarantine.
- ▶ If you require medical attention to treat your symptoms, please contact the hotel's front desk and their staff will help direct you to a local clinic or hospital.

## TRAVEL REQUIREMENTS

### REQUIREMENTS FOR TRAVEL TO/FROM PANAMA\*

#### ENTERING PANAMA

1. Travelers will not have to present a negative COVID-19 test for entry as long as they can provide physical or digital proof of at least 2 (two) doses or complete vaccination scheme endorsed by the WHO, EMA and FDA, equal to or greater than 14 days after the last dose.
2. Non-vaccinated or partially vaccinated travelers will be required to present a negative COVID-19 PCR or antigen test taken no more than 72 hours prior to their arrival time in Panama. If a test is not possible within that time frame, a COVID-19 rapid test will be mandated at the airport and the traveler will have to cover the costs of said test (\$50 USD).  
If the results are positive, the traveler will be placed under a mandatory 5-day minimum quarantine in a hotel. The cost of the stay must be fully covered by the traveler.
3. **ALL travelers are required to present their completed Electronic Health Affidavit (in physical or digital form) to their airline or carrier BEFORE boarding to Panama. Register and fill out your Health Affidavit at <https://viajes.panamadigital.gob.pa/>**

#### RETURNING TO YOUR HOME COUNTRY

**We highly recommend each attendee check re-entry policy with their airline and home country embassy.**

- COVID-19 testing is available for Departing Passengers from Tocumen International Airport (PTY).
- The center is open from 5:00AM to 9:00PM.
- The cost of the COVID-19 rapid test is \$50 USD and the result takes around 40 minutes.
- The service is first come, first served, so all passengers who want to get a test are encouraged to arrive with enough time before their flight.

### QUARANTINE REQUIREMENTS

**Travelers who test positive for COVID can be required to quarantine for up to 10 days.**

*Due to increased instances of mandatory detention by health authorities, we do not recommend same day airport testing.*

**\*PLEASE NOTE:** Requirements change rapidly. It is your responsibility to confirm requirements with your airline, accommodations, and other events/activities before travel.

**PROOF OF VACCINATION** Proof of vaccination is not required for attendance at the ISHRS World Congress. However, the Attestation completed during the registration process, which states attendees meet the requirements to enter Panama and will comply with all rules and regulations, is required. In any case, it is recommended to carry proof of vaccination in Panama—a physical copy, digital copy, or both.

**COVID-19 TESTING IN PANAMA** COVID-19 testing is no longer widely available in Panama. Attendees are encouraged to travel with self-administered tests to monitor themselves. Hotel staff can help to arrange COVID-19 tests if necessary.



## SILATC and Ametrec Meeting & Live Surgery Workshop OCTOBER 24-25, 2022 | PANAMA

The SILATC (Iberolatinamerican Society of Hair Restoration Surgery) and the AMETREC (Mexican Association of Trichology and Hair Restoration) are organizing the 3rd biennial, and the 1st annual meeting, respectively, on October 24-25, 2022, at the Westin Playa Bonita Hotel in Panama City, immediately preceding the ISHRS World Congress.

La Sociedad Iberolatinoamericana de Trasplante de Cabello (SILATC) y la Asociación Mexicana de Tricología y Restauración Capilar (AMETREC) celebrarán su 3er Congreso Bienal y su 1er Congreso Internacional respectivamente, en la ciudad de Panamá, Panamá los días 24 y 25 de octubre de 2022 en el hotel Westin Playa Bonita.

### DAY 1

The first day will be a scientific meeting to discuss "From A to Z" the many topics related to hair restoration surgery.

El 1er día será de sesiones científicas incluyendo mesas redondas.

### DAY 2

Different surgical techniques for male and female patients and FUE punches and devices for short and long hair will be demonstrated during this local live surgery demonstration.

El 1er día será de sesiones científicas incluyendo mesas redondas.

#### LIVE SURGERY DETAILS

- Four live surgery cases: Donor strip Long Hair, FUExcision Long Hair, FUExcision with short hair, Female and male cases.
- Demonstration and discussion about different FUExcision punches and systems such as: MAMBA, THE WAW and the new wireless handpiece, the Ugraft Zeus System, the Capri and other motorized devices and punches.
- Demonstration of the RoboPen for the creation of the recipient sites with needles or blades. Different sizes of MinDe (minimal deep) blades, hair implanters, needles, blades, etc.
- Live demonstration of PRP intraoperative injection
- Live demonstration of Scalp Mesotherapy
- Live demonstration of Scalp Micropigmentation (SMP)

- 4 cirugías en vivo: FUE pelo corto, FUE pelo largo, Tira Donadora para pelo largo, paciente femenina para cirugía de pelo largo y corrección de cicatrices. Casos en hombres y mujeres
- Demostración de varios sistemas y punches para FUExcision: MAMBA, WAW y su pieza inalámbrica, Ugraft Zeus System, Capri, etc.
- Uso de RoboPen para efectuar incisiones en la zona receptora, diferentes tipos de micronavajas MinDe (Minimal Deep) e implantadores
- Demostración de PRP intraoperatorio
- Demostración de Mesoterapia del Cuero Cabelludo
- Demostración de Micropigmentación de cicatrices en el cuero cabelludo

FOR DETAILS, VISIT <https://30thannual.org/ancillary-meeting-silatc-ametrec/>



## On-Demand Basics Bundle

### Includes:

- 4 days of recorded Zoom lectures with the Q&A and discussions from the August 2021 online Basics Course – total of 65 lectures
- Full Basics Lecture Series online learning product developed by the ISHRS CME Committee – 24 lectures
- Bonus: Full bibliography and emergency preparedness supplemental handouts

The On-Demand Basics Bundle provides more than 80 lectures for a combined 24 hours of education.



Purchase this educational product at the following link: [ISHRS.org/basics-course](https://ISHRS.org/basics-course)  
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## On-Demand Advanced/Board Review Course Bundle

This product offers a comprehensive curriculum for hair restoration surgeons preparing for the ABHRS exams and those looking to refresh their knowledge on advanced-level topics.

### Includes:

- 39 Lectures
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## ISHRS 2022 CME WEBINAR SERIES On Demand

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Available for CME credit, the ISHRS 2022 CME Webinar Series covers topics of interest to those in the field of hair restoration surgery. Webinars include presentations selected from the 2021 World Congress, new presentations, panel discussions, and live discussions between participants and faculty.

Watch on demand at your convenience through December 31, 2022.

<https://ishrs.org/2022-cme-webinars/>

#### Hair Transplant in Special Areas and Conditions

Moderator: Samuel M. Lam | USA  
Co-Moderator: Mark A. Waldman | USA  
(September 7, 2022)

#### Anesthesia Complications

Moderator: Aman Dua | India  
Co-Moderator: Marie A. Schambach | Guatemala  
(April 13, 2022)

#### Complications in Hair Restoration Surgery

Moderator: Shady El-Maghraby | Egypt  
Co-Moderator: Anil Garg | India  
(January 12, 2022)

#### Hair Transplantation: Overcoming Challenges and Achieving Aesthetic Goals

Moderator: Scott A. Boden | USA  
Co-Moderator: Emorane C. Lupanzula | Belgium  
(June 11, 2022)

#### Consultation & Evaluation

Moderator: Nina Otberg | Germany  
Co-Moderator: Bruno Ferreira | Portugal  
(February 12, 2022)

The International Society of Hair Restoration Surgery is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The International Society of Hair Restoration Surgery designates this Other Activity (blended synchronous and enduring) for a maximum of 2.00AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Note: CME Credit may only be claimed one time for each webinar.



# ISHRS Europe 2023 Live Surgery Workshop | Manchester, England, U.K. June 12, 2023



As part of its increasing collaborative efforts with Global Council societies, the ISHRS via its ISHRS Europe Council is pleased to partner with the British Association of Hair Restoration Surgery (BAHRS) on this full-day live surgery workshop taking place in Manchester, England, U.K. Engage in dialogue and discussion as local and international guest faculty will demonstrate the newest techniques and share surgical pearls.



## Maximize Your Educational Opportunities

For convenience, the ISHRS Europe 2023 LSW U.K. has been carefully planned alongside additional educational opportunities. After the Live Surgery Workshop, attend the 1-day BAHRS Conference, stay on for the EHRS Conference, and finally, unwind a little and join your friends and colleagues for an unforgettable bicycling trip through the stunning Lakes District in England.

**JUNE 12, 2023**



ISHRS Europe  
2023 Live Surgery Workshop: U.K. |  
Manchester, England, U.K.  
<https://ishrs.org/europe-live-surgery-workshop/>

**JUNE 13, 2023**



BAHRS 2023 Annual Conference:  
"Challenges and Solutions in Hair Restoration  
Surgery" | Manchester, England, U.K.  
<https://www.bahrs.co.uk/>

**JUNE 14-16, 2023**



20<sup>th</sup> Meeting of the European Hair Research  
Society (EHRS) | Sheffield, England, U.K.  
<https://ehrs.org/events/>

**JUNE 17-20, 2023**



Cycle Trip  
Northern England, U.K.  
Optional event. A memorable 4-day bicycle trip  
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**JULY 21-22  
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Course Co-Director:  
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# 11.11

## ISHRS World

### Hair Transplant Repair Day

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ISHRS Fight the FIGHT campaign.

Customize media materials for your practice  
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- Download press kit & media materials: [ISHRS.org/mediakit](https://ishrs.org/mediakit)
- Add your name to the consumer landing page - [HairRepairDay.org](https://HairRepairDay.org)
- Request your "I am Participating" custom image
- Send the Global Council Unified Letter & ISHRS Position Statement on the Qualifications for Scalp Surgery to your local ministry of health

Contact: [fightthefight@ishrs.org](mailto:fightthefight@ishrs.org)

If you are unable to participate, see media kit for resources on  
how you can help to raise awareness and spread the message.

#FighttheFIGHT

[HairRepairDay.org](https://HairRepairDay.org)

#HairTransplantRepairDay



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# FALL 2023 EXAMINATION

## BOOTH SPECIAL

Submit your application by March 31, 2023 and receive \$250 OFF your application fee. The written exam will be held on October 7, 2023 using PearsonVue online testing. The Oral Exam will be held on October 31, 2023 in person at the 31st World Congress Delhi, India. For more information visit [abhrs.org](https://abhrs.org)

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## **RULES AND PROPER ETIQUETTE**

The World Congress is an educational activity. Attendees are expected to maintain professional etiquette and extend proper courtesies. Inappropriate behaviors will not be condoned. The meeting should not be used as an opportunity for solicitation of other physicians' staff or other unethical, inappropriate, and distasteful activities. It may seem obvious, but it is inappropriate and rude to make negative or soliciting comments to the live patients in the various sessions. Negative or disparaging comments about a patient's results to the patient are offensive, psychologically hurtful, and violate our ethical commitment to "do no harm." Patients who agree to show their postoperative results, as well as the doctors who bring them, deserve our respect and support for their willingness to subject their results to scrutiny and contribute to our learning experience.

Soliciting business in the virtual or physical meeting rooms or spaces is prohibited. Only registered exhibitors, in the Exhibit Hall, may solicit business. There will be no distribution of handouts, flyers or promotional items other than the official Abstract Book, or other than exhibitor items in the exhibit hall. Any handout or flyer intended for the handout table by the registration desk must be pre-approved by the ISHRS Executive Director. Any unapproved handouts will be removed and discarded. Inappropriate postings in the virtual platform, Congress app, or other meeting spaces or message boards will be removed and discarded.

The timing of any private ancillary meeting must be approved by the ISHRS.

It is vital for the doctors to discuss their complications and show patient photos. Public disclosure of a specific doctor's complications or patients is prohibited. There are ongoing debates in any field of evolving science, and disagreement between professionals is expected. However, inflammatory or inappropriate criticism of any specific ISHRS doctor's or assistant's lecture that has been made in good faith and according to the ethical standards of our Society is prohibited.

The purpose of these guidelines is not to suppress free speech or to conceal items from the public; rather, it is to encourage a free exchange among doctors without worries that anything said or done will be used against them by a competitor. All doctors have complications at various times, but it takes a special form of integrity to discuss them before a large group of colleagues. By the same token, we understand that most of the non-medical promotional professionals in our field provide a helpful public service while pursuing their business interests. We hope this communication between us will be on a high professional level that will benefit both the field and the patients.

### **Disclaimer**

Registrants understand that the material presented at the World Congress has been made available under sponsorship of the International Society of Hair Restoration Surgery (ISHRS) for educational purposes only. This material is not intended to represent the only, nor necessarily the best, method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty which may be of interest to others. As an educational organization, the ISHRS does not specifically approve, promote or accept the opinions, ideas, procedures, medications or devices presented in any paper, poster, discussion, forum or panel at the World Congress. Registrants waive any claim against ISHRS arising out of information presented in this Congress.

Registrants understand and acknowledge that volunteer patients have been asked to participate in the World Congress sessions for educational and training purposes. Registrants shall keep confidential the identity of, and any information received during the World Congress regarding, such volunteer patients.

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By attending this program, in no way does it suggest that participants are trained and/or certified in the discipline of hair restoration surgery. All speakers, topics, and schedules are subject to change without prior notification and will not be considered reasons for refund requests.

Registrants agree to abide by all policies and procedures of the ISHRS. Registrants waive any claim against ISHRS for injury or other damage resulting in any way from course participation.

## **Attendee Expectations Related to COVID-19**

Participating in the ISHRS 30th Annual World Congress during the ongoing pandemic carries risk due to the contagious nature of the COVID-19 virus and the fact that the World Congress is held indoors with a large number of people. Attendees and guests are required to represent and warrant that they have met the standards of entry into Panama, which include being fully vaccinated for COVID-19 by a scheme endorsed by the WHO, EMA, and FDA, or receiving a negative COVID-19 test, and/or 14-day quarantine. Current entry requirements may be found at the following website:  
<https://www.tourismpanama.com/plan-your-vacation/advisories/>

In addition, attendees and guests must agree to follow all required health and safety guidelines, protocols, policies, regulations, and mandates relating to attendance at the World Congress, including, but not limited to, World Health Organization guidelines, U.S. Centers for Disease Control and Prevention guidelines, statutes, regulations, and other mandates applicable to the locale of the World Congress, as well as any additional requirements imposed by ISHRS or the Venue (regardless of whether international, national, or local laws allow otherwise).

Attendees and guests attend the World Congress voluntarily and at their own risk. They must monitor their own health status and are not allowed to attend the World Congress if symptomatic of COVID-19 or believe they have been exposed to someone with COVID-19.

An attendee's failure to comply with required safety protocols or follow the direction of the ISHRS staff on site may result in the loss of their right to attend or participate in the World Congress, including forfeiture of any registration fees paid.

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## ABOUT THE ISHRS

**The International Society of Hair Restoration Surgery (ISHRS) is a global non-profit medical association and a leading, unbiased authority in medical and surgical hair restoration with more than 1,200 members throughout 70 countries.** Founded in 1993, it was the first, and is now the largest, international society to promote continuing quality improvement and education for professionals in the field of hair restoration surgery. Members have backgrounds in varying medical specialties including dermatology, plastic surgery, general surgery, and more.

**The cornerstone of the ISHRS continues to be the annual world congress and the Forum publication.** Both provide an accepted international forum for information exchange and rapid diffusion of new and innovative surgical techniques and instrumentation technology.

The ISHRS is **accredited by the Accreditation Council for Continuing Medical Education (ACCME)**, which is the agency responsible for sanctioning medical education for physician licensure in the United States. The ISHRS **holds a seat in the American Medical Association House of Delegates**, which is considered “the House of Medicine” in the United States and one of the most important groups to effect standards and legislation. The ISHRS is a **liaison organization member of the Comité Européen de Normalisation (CEN)** [European Committee for Standardization] task force 403 “Aesthetic Surgery Services” where it assists with developing standards for hair transplantation among countries within the European Union.

**Above all, The ISHRS is dedicated to achieving excellence in medical and surgical outcomes by promoting member education, international collegiality, research, ethics, and public awareness.**

The ISHRS is a **member of and leads the Global Council of Hair Restoration Surgery Societies** which is comprised of 24 national and regional societies. Numerous countries’ Ministries of Health have contacted the ISHRS in the past for expert information on industry standards.

The ISHRS is the **leader in hair restoration surgical statistics and trend data.** See its 2022 Practice Census Survey results. The ISHRS has been cited in numerous major news outlets, publications, and receives much press since it is the most trusted source for unbiased information and the best education in the field of hair restoration surgery.

A large part of the ISHRS’s effort is dedicated to **ensuring the safety of patients** and developing methods to minimize risks to patients while meeting the expectations of patients. The ISHRS has published and maintains FUE Clinical Practice Guidelines, Core Curriculum in Hair Restoration Surgery, and Core Competencies in Hair Restoration Surgery.

The ISHRS is **dedicated to facilitating the training of physicians.** The ISHRS has a Fellowship Training Program, enduring educational materials and online resources, and offers numerous meetings that include lectures and surgical workshops. The ISHRS **holds its biggest event, the annual ISHRS World Congress, around the world.** Several of the countries in which it has organized meetings and live workshops include: United States, Australia, United Kingdom, Greece, Japan, South Korea, United Arab Emirates, Canada, Mexico, Malaysia, Thailand, The Netherlands, Czech Republic, Belgium, Poland, Spain, Italy, and India. Its faculty are world-renowned and the top experts, innovators, and pioneers in the field. The faculty and leadership are those physicians who write the textbooks in the field and author the most important journal articles. The majority of faculty have been in the field for 20+ years.







# WORLDWIDE HAIR RESTORATION TRENDS

## 2022 ISHRS Practice Census Results

### What's Trending

More than **2.2 million** hair restoration patients were treated in 2021 – a **7% increase** since 2019



Over **703,000** hair restoration procedures worldwide in **2021**



The total market size **\$4.5 billion USD** in 2021  
This is a slight decrease of **1.5%** since 2019



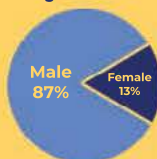
**37%** of ISHRS members reported an **increase in** transgender hair transplants in 2021



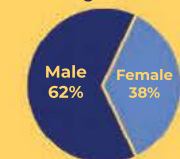
**81%** of hair restoration patients sought treatment due to **genetic hair loss** in 2021

**68%** of ISHRS members reported performing an average of **one procedure** to achieve the desired hair restoration result

Surgical Patients



Non-Surgical Patients



### Body Hair Transplantation Remains Popular

After scalp, the next highest percentage of transplantation to recipient area for females was **eyebrows**, at **11%**



After scalp, the next highest percentage of transplantation to recipient area for males was **moustache/beards**, at **4%**

### Impact of COVID-19 Pandemic

**56%** of ISHRS members who performed webcam consults felt that **in-person consults were more effective**



In the age of Zoom and looking good for the camera, **25%** of ISHRS members reported that the majority of their new patients indicated regular Zoom/Video meetings influenced their decision to seek treatment for their hair loss

**54%** of ISHRS members said the overall effect of the COVID-19 pandemic resulted in an **increase in demand** for hair transplants, platelet-rich plasma and other hair-related surgeries and procedures in 2021

### Impact of Black Market

**5.4%** of hair restoration patients sought treatment to repair previous surgery from another physician/black market hair transplant, up from **4.2%** in 2019



**51%** of ISHRS members reported there are Black Market hair transplant clinics in their cities

**16%** of ISHRS members changed their pricing structure as a result of the Black Market



### Other Trends

#### Off-label

26% always or often prescribed **oral minoxidil** in 2021, up from 10% in 2019  
12% always or often prescribed **dutasteride** in 2021, up from 6% in 2019  
17% always or often prescribed **topical finasteride** in 2021, up from 14% in 2019



The top three most commonly prescribed non-surgical treatments in 2021 included **oral finasteride**, **topical minoxidil** and **platelet-rich plasma (PRP)**

# NOT A MEMBER OF THE ISHRS?

CONSIDER JOINING.



Go to [www.ISHRS.org](http://www.ISHRS.org) for information on how to apply!

## MISSION STATEMENT

A global society of physicians committed to improving patient outcomes by promoting member education, collegiality, research, ethics and public awareness.

The vision is to establish the ISHRS as a leading unbiased authority in medical and surgical hair restoration.

## CORE PURPOSE

Improving quality of life for people with hair loss.

## CORE VALUES

Ethical Conduct  
Free Exchange of Knowledge  
Pursuit of Excellence  
Honesty and Integrity  
Diversity

## BENEFITS OF ISHRS MEMBERSHIP INCLUDE:

- **Reduced registration fees** for ISHRS world congress, live surgery workshops, educational products, and other training programs
- Subscription to the bi-monthly newsletter, **Hair Transplant Forum International**
- Access to the **Forum ePub**
- Subscription to the peer-reviewed journal, **Dermatologic Surgery** (physicians, adjunct, and residents only)
- Electronic PDF journal, **Drugs in Dermatology**
- Opportunities to earn continuing medical education (CME) credits – **AMA PRA Category 1 Credits™**
- Eligibility for **research grants**
- **www.ISHRS.org**  
A comprehensive informational website on hair loss and restoration. Full Members are included in the Find a Doctor search.
- **Unified public relations** effort to increase the public's perception and awareness of hair restoration surgery
- **A team of leaders, volunteers, and staff** dedicated to making the ISHRS a valuable resource for the profession.

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## FOR MORE INFORMATION CONTACT

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2023

31ST WORLD CONGRESS

November 1-4, 2023

NEW DELHI, INDIA

2024

32ND WORLD CONGRESS

October 16-19, 2024

DENVER, CO, USA



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INTERNATIONAL SOCIETY OF HAIR RESTORATION SURGERY

# 31ST WORLD CONGRESS

NOVEMBER 1-4, 2023 • DELHI, INDIA



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**We will have pre- and post-trips available** that you may wish to join to visit the highlights of the famous Golden Triangle - the cities of Delhi, Jaipur and Agra - where among the sites is the Taj Mahal. If you have not been to Taj Mahal, it is an enlightening and mesmerizing experience that you should not miss.

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