

**59<sup>TH</sup> ANNUAL MEETING | September 10-14, 2024**

# BARCELONA *Spain*

## PRELIMINARY PROGRAM

**Early Registration Rate Deadline: August 12, 2024**  
[www.srs.org/am24](http://www.srs.org/am24)



INTRODUCING



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# TABLE OF CONTENTS

|   |    |
|---|----|
| Annual Meeting Committees.....          | 4  |
| Welcome Letter .....                    | 5  |
| Meeting Information .....               | 6  |
| Guest Lectures .....                    | 7  |
| Location Information.....               | 8  |
| Registration Information.....           | 9  |
| Housing Information .....               | 12 |
| Meeting Outline .....                   | 13 |
| Annual Meeting Preliminary Program..... | 16 |
| SRS Board of Directors and Chairs ..... | 26 |
| About SRS.....                          | 27 |
| Corporate Supporters .....              | 31 |

## DATES TO REMEMBER

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### Registration Opens

May 7, 2024

### Housing Closes

August 6, 2024

### Early Registration Rate Closes

August 12, 2024

### Cancellation Refund Deadline

August 12, 2024

### 59<sup>th</sup> Annual Meeting

September 10-14, 2024

## ANNUAL MEETING VENUE

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Centre de Convencions Internacional de  
Barcelona (CCIB)  
Plaça de Willy Brandt 11-14  
08019 Barcelona, Spain

## FUTURE EDUCATIONAL EVENTS

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### Annual Meeting

#### 60<sup>th</sup> Annual Meeting

September 16-20, 2025 | Charlotte,  
North Carolina, USA

#### 61<sup>st</sup> Annual Meeting

October 6-10, 2026 | Sydney, Australia

#### 62<sup>nd</sup> Annual Meeting

September 14-18, 2027 | New Orleans, Louisiana, USA

### International Meeting on Advanced Spine Techniques

#### 32<sup>nd</sup> IMAST

April 2-5, 2025 | Glasgow, Scotland

#### 33<sup>rd</sup> IMAST

April 15-18, 2026 | Toronto, Ontario, Canada

*All information as of April 2024*



**SRS Office** 555 East Wells Street, Suite 1100, Milwaukee, WI 53202  
P: 414.289.9107 | F: 414.276.3349 | E: [info@srs.org](mailto:info@srs.org) | W: [www.srs.org](http://www.srs.org)

# ANNUAL MEETING COMMITTEES

## SRS PRESIDENT

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Marinus de Kleuver, MD, PhD

## LOCAL HOST

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Ferran Pellisé, MD

## SRS EDUCATION COUNCIL CHAIR

---

Munish C. Gupta, MD

## ANNUAL MEETING SCIENTIFIC PROGRAM COMMITTEE

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Rajiv K. Sethi, MD  
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Shahnawaz Haleem, MSc, EASD, FRCS(T&O)  
Ibrahim Obeid, MD  
Michael Heffernan, MD  
Steven W. Hwang, MD  
Michael J. Faloon, MD, MS

## ANNUAL MEETING EDUCATION COMMITTEE

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Ibrahim Obeid, MD  
Fernando A.M. Facanha-Filho, MD  
Sinan Kahraman, MD  
Anthony A. Catanzano Jr., MD  
Peter M. Obid, MD  
Kenney Ki-Lee Lau  
Yunus Kuntawi Aji, MD  
Megan Johnson, MD  
Byron F. Stephens, MD  
Luiz Müller Avila, MD  
Alpaslan Senkoylu, MD  
Ali Baaj, MD  
Cristina Sacramento Dominguez, MD, PhD  
John S. Vorhies, MD

## PROGRAM ABSTRACT REVIEWERS

---

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Saumyajit Basu, MD  
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Per D. Trobisch, MD  
Surya Prakash Rao Voleti, MS, DNB  
Hanneke M. van West, MD  
John S. Vorhies, MD

## WELCOME LETTER

Bienvenidos!

I cannot wait to welcome you to the next SRS Annual Meeting in Barcelona, Spain on September 10-14, 2024. You will experience everything you come to expect from an SRS meeting -- the latest and greatest scientific research, methods, and techniques in spinal deformity, faculty-led instructional course lectures, abstract papers on an array of topics.

Barcelona is a vibrant city in northeastern Spain, with a rich history, culture, and cuisine. This area offers a wealth of Mediterranean food with a mix of multicultural Mediterranean-shore flavors which includes Spanish and of course Catalan cuisine.

Come early for the food and to be a part of the Hibbs Society meetings. These meetings address difficult and complex issues that do not lend themselves to the usual kind of scientific presentations. The meeting encourages interaction among international participants and highlights new ideas, new concepts, and reports on personal experience.

On Wednesday, the Pre-Meeting Course includes *Long-Term Outcomes of Spine Deformity Surgery, Update On Current Knowledge and Future Directions*, a timely topic in our field.

All SRS members are invited to the Member Business Meeting on Friday, September 13 from 13:15 - 14:30. It's the Annual Report of the society, and is a must-attend for every member. Agendas include reports from the various SRS committees, updates on SRS activities and programs, and voting for the future leaders of our organization.

You won't want to miss this great location, and amazing meeting. But please note! We will be sharing our beautiful city with The America's Cup. The oldest international sporting trophy, the Cup is considered one of the premier sporting events in the world, which means hotel space will be at a premium and we recommend booking your hotel now at [www.srs.org/AM24](http://www.srs.org/AM24).



A handwritten signature in black ink, appearing to read 'Ferran Pellisé'.

Ferran Pellisé, MD

# MEETING INFORMATION

## MEETING DESCRIPTION

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The Scoliosis Research Society (SRS) Annual Meeting is a forum for the realization of the Society's mission and goals: the improvement of patient care for those with spinal deformities. Faculty-led instructional course lectures, podium presentations, case discussions and E-Point Presentations will be presented on an array of topics, including adolescent idiopathic scoliosis, neuromuscular scoliosis, growing spine, kyphosis, adult deformity, minimally invasive surgery, and machine learning.

## LEARNING OBJECTIVES

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Upon completion of the Annual Meeting, participants should be able to:

1. Increase level of knowledge about the mid- and long-term outcomes of patients who have undergone surgery for scoliosis across three life stages (EOS, AIS, ASD).
2. Review current concepts and analysis of sagittal plane pathology, preoperative patients' optimization, and how to prolong surgeons' longevity.
3. Recognize new technology that helps in the treatment of spinal deformity.
4. Focus on patient-reported outcome measures (PROMs) in spinal deformity care to enhance patient satisfaction and quality of life post-surgery, and discuss strategies for integrating PROMs into clinical practice.
5. Share insights and experiences from various global regions on the challenges and solutions in scoliosis treatment, with a focus on overcoming barriers to care in underrepresented populations.

## TARGET AUDIENCE

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Spine surgeons (orthopaedic and neurological surgeons), residents, fellows, nurses, nurse practitioners, physician assistants, engineers, and company personnel.

## ACCREDITATION STATEMENT

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The Scoliosis Research Society (SRS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## CREDIT DESIGNATION

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SRS designates this live activity, 59<sup>th</sup> SRS Annual Meeting, for a maximum of 25 *AMA PRA Category 1 Credits*. Physicians should claim only the credit commensurate with the extent of their participation in each activity.

## DISCLOSURE OF RELEVANT FINANCIAL RELATIONSHIPS

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It is the policy of SRS to ensure balance, independence, objectivity, and scientific rigor in all educational activities. In accordance with this policy, SRS identifies all financial relationships held with an ineligible company\* by individuals in a position to influence or control the content of a CME activity. Relevant financial relationships are mitigated by SRS to ensure that all scientific research referred to, reported, or used in a CME activity conforms to the generally accepted standards of experimental design, data collection, and analysis. Complete faculty disclosures can be found in the final program.

*\*An ineligible company is one whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.*

## FDA STATEMENT (UNITED STATES)

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Some drugs and medical devices demonstrated during this course have limited FDA labeling and marketing clearance. It is the responsibility of the physician to be aware of drug or device FDA labeling and marketing status.

## VIDEO RECORDING PROHIBITED

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SRS does not allow personal video recording of the presentations of any kind. SRS holds the right to confiscate any and all recordings taken of any of the presentations. All session rooms will be recorded and will be available to delegates after the meeting on the Annual Meeting virtual platform.

## INSURANCE/LIABILITIES AND DISCLAIMER

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SRS will not be held liable for personal injuries or for loss or damage to property incurred by participants or guests at the Annual Meeting including those participating in tours, social events or virtually. Participants and guests are encouraged to take out insurance to cover loss incurred in the event of cancellation, medical expenses, or damage to or loss of personal effects when traveling outside of their own countries.

SRS cannot be held liable for any hindrance or disruption of the Annual Meeting proceedings arising from natural, political, social, or economic events, or other unforeseen incidents beyond its control. Registration of a participant or guest implies acceptance of this condition.

The materials presented at this Continuing Medical Education activity are made available for educational purposes only. The material is not intended to represent the only, nor necessarily best, methods or procedures appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement, or opinion of the faculty that may be helpful to others who face similar situations.

## MEETING INFORMATION

SRS disclaims any and all liability for injury or other damages resulting to any individual attending a scientific meeting and for all claims that may arise out of the use of techniques demonstrated therein by such individuals, whether these claims shall be asserted by a physician or any other person.

### LANGUAGE

Presentations and meeting materials will be provided in English.

### NO SMOKING POLICY

Smoking is not permitted during any Annual Meeting activity or event.

### ATTIRE

Business (suits) or business casual attire (polo or dress shirt, sport coats) are appropriate for all Annual Meeting sessions; ties are not required.

## INDUSTRY WORKSHOPS

Delegates are encouraged to attend the industry workshops on Thursday, September 12 from 13:30 - 15:00. Each workshop is programmed by a single-supporting company and features presentations on topics and technologies selected by the company. Lunch will be available during the workshops. CME credits are not available for workshops.

### MEMBERS BUSINESS MEETING

All SRS members are invited to the Member Business Meeting on Friday, September 13 from 13:15-14:30. Agendas will include reports from the various SRS committees, updates on SRS activities and programs, and voting.

## GUEST LECTURES

Please visit the SRS Annual Meeting website at [www.srs.org/AM24](http://www.srs.org/AM24) for full bios on our guest lecturers.

### WEDNESDAY, SEPTEMBER 11

#### Howard Steel Lecture



#### BRUNO DUBOIS

Bruno Dubois (BEL/CAN) understands the challenges of managing high performance sports teams in one of the most dangerous sporting environments -- around the world, high-speed yacht racing.

A former sailmaker and professional sailor with more than 250,000 miles of sailing, Bruno has established himself as one of the leading names in the sport, called upon to lead teams at the highest level.

### THURSDAY, SEPTEMBER 12

#### Harrington Lecture



#### Steven Glassman, MD

Dr. Glassman is widely recognized both nationally and internationally as a leader in spinal surgery. Dr. Glassman is Professor of Orthopaedic Surgery at the University of Louisville. He is past President of the Scoliosis Research Society, past Chair of the Professional Society Coalition Task Force on Lumbar Fusion and past Program Chair for the North American Spine Society. He is currently co-Chair of the American Spine Registry (ASR) and a member of the AAOS Registry Oversight Committee.

# LOCATION INFORMATION

## ABOUT BARCELONA

Barcelona – known as A City of Wonders – is a vibrant city in northeastern Spain, with a rich history, culture, and cuisine. Barcelona is home to the iconic basilica Sagrada Familia, designed by Antoni Gaudí. The city also offers superb examples of Modernist and Art Nouveau decor and architecture. This area offers a wealth of Mediterranean food with a mix of multi-cultural Mediterranean-shore flavors which includes Spanish and of course Catalan cuisine.

## ARRIVING IN BARCELONA

Barcelona-El Prat Airport (BCN) is the main international airport in Barcelona. BCN is located approximately 20.7km (12.86) miles to Centre de Convencions Internacional de Barcelona (CCIB).

Taxis are the most used means of transport at the airport.

## PASSPORTS AND VISAS

To enter Spain, international travelers are required to have a valid passport. A visa is required for the citizens of countries that do not have visa-exempt agreements with Spain.

Please visit the Spain government travel site, to confirm if you would require a visa in entering Spain.

Please contact your local Spain Consulate to learn more about visa acquisition. Please note, SRS is unable to submit a visa application on the registrant's behalf. The decision to grant visas is at the sole discretion of the embassy/consulate. The meeting organizers cannot change the decision of the governmental agency should your application be denied.

Advance travel planning and early visa application are important. It is recommended that you apply early for your visa.

## CLIMATE

In early September, the average high-temperature in Barcelona is 79°F (26.11°C), and the average low-temperature is 69°F (20.55°C).

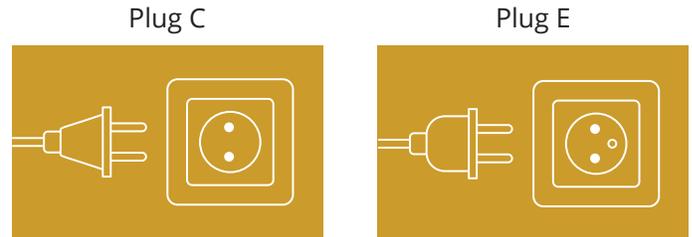
## TIME ZONE

Barcelona will be in the Central European Summer Time zone (CEST) during the Annual Meeting, which is (6) hours ahead of US Eastern Daylight Time (EDT) and (2) hours ahead Greenwich Mean Time, GMT+2:00.

| City | Barcelona | New York | London |
|------|-----------|----------|--------|
|      | 00:00     | 18:00    | 23:00  |
|      | 03:00     | 21:00    | 02:00  |
|      | 06:00     | 00:00    | 05:00  |
|      | 09:00     | 03:00    | 08:00  |
|      | 12:00     | 06:00    | 11:00  |
|      | 15:00     | 09:00    | 14:00  |
|      | 18:00     | 12:00    | 17:00  |
|      | 21:00     | 15:00    | 20:00  |

## ELECTRICITY

Barcelona operates on a 230V supply voltage and 50Hz. The power plugs and sockets are of type C (2 pins) and type E (2 pins and hole for the socket's male earthing pin). Type E socket also works with plug C.



# REGISTRATION INFORMATION

## KEY DATES

|                              |   |
|------------------------------|---|
| <b>August 4, 2024</b>        | Housing Reservation Deadline                        |
| <b>August 12, 2024</b>       | Early Registration Rate Deadline                    |
| <b>August 12, 2024</b>       | Cancellation Refund Deadline                        |
| <b>September 10-14, 2024</b> | 59 <sup>th</sup> Annual Meeting in Barcelona, Spain |

## REGISTRATION PROCEDURE

SRS encourages [online](#) registration. If you forgot your SRS username or password, click [here](#) to reset your username or password.

PDF registration form is available, download the form [here](#). Please complete and return to: [meetings@srs.org](mailto:meetings@srs.org).

## PRICING

### Meeting Pricing

| Registration Class                  | Early Registration<br>On or before August 12, 2024 | Late / Onsite Registration<br>On or after August 13, 2024 |
|-------------------------------------|--|---|
| SRS Member – Physician              | \$1,050  | \$1,260   |
| SRS Member – Non-Physician          | \$600  | \$720   |
| SRS Emeritus Member                 | \$600  | \$720   |
| Non-Member Physician                | \$1,400  | \$1,680   |
| Non-Member Non-Physician            | \$750  | \$900   |
| Resident / Fellow / Medical Student | \$550  | \$660   |
| Delegate from Reduced Rate Country* | \$550  | \$660   |
| Industry Representative             | \$1,450  | \$1,740   |

\*Click [here](#) for countries that qualify for reduced rate registration.

### What is Included?

- Entrance to the pre-meeting course, lunchtime symposia and scientific sessions
- Admission to the opening ceremonies and industry workshops
- Meeting materials
- Refreshment breaks and lunch
- Certificate of attendance and CME credits
- Meeting App with audience response capabilities for an interactive meeting experience

# REGISTRATION INFORMATION

## SESSION AND EVENT ADD-ONS

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Event times are subject to change.

### Hibbs Society Meeting - \$50

Tuesday, September 10

13:00-17:00

Available to meeting delegates for an additional fee of \$50

Over the years, the Russell A. Hibbs Society, formed in 1947 as an international travel club for continuing medical education and furthering orthopaedic knowledge, has held an educational meeting at the SRS Annual Meeting. These meetings address difficult and complex issues that do not lend themselves to the usual kind of scientific presentations. The meeting encourages interaction among international participants and highlights new ideas, new concepts, and reports on personal experience.

### Opening Ceremonies and Welcome Reception

Wednesday, September 11

Opening Ceremonies: 18:20-19:40

Welcome Reception: 19:40-22:00

Available at no charge to in-person meeting delegates

The Annual Meeting will officially begin with the Opening Ceremonies and this year's Howard Steel Lecturer. The evening will include an introduction of the SRS officers, the presentation of the Walter P. Blount Humanitarian Awards, and highlights from 2023.

A hosted reception featuring hors d'oeuvres, cocktails, and reunions with colleagues and friends will follow the Opening Ceremonies.

If you have already registered and would like to add the Welcome Reception and/or purchase guest ticket(s), you may do so here: [www.srs.org/am24](http://www.srs.org/am24).

### Farewell Reception - \$50

Friday, September 13

20:00-22:00

La Llotja de Mar; The Contracts Hall & Courtyard

Open to all registered delegates and registered guests. Tickets are \$50 for registered delegates and \$150 for guests of registered delegates and must be purchased in advance. A limited number of tickets may be available onsite, but SRS urges delegates to purchase tickets at the time of registration.

If you have already registered and would like to add the Farewell Reception and/or purchase guest ticket(s), you may do so here: [www.srs.org/AM24#registration](http://www.srs.org/AM24#registration).

Attire is business or cocktail.

## REDUCED RATE COUNTRY REGISTRATION

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Individuals residing in the [countries listed](#) qualify for reduced registration rates. When registering online, delegates should automatically be placed in the correct registration class based on the details collected during sign-in process.

## WIRE TRANSFERS

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Registrants may pay for their Annual Meeting registration fees by wire transfer. Please note that some financial institutions charge a processing fee, which is deducted from the amount of the transfer. Partial payment may result in an incomplete registration. If you wish to pay with a wire transfer, please email [meetings@srs.org](mailto:meetings@srs.org) for more information.

## INVITATION LETTERS

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Invitations letters for visa requests are available for registered delegates. Please visit the [Travel page](#) for more information on requesting a letter of invitation.

## CANCELLATION POLICY

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Full refunds, less a 10% processing fee, will be granted for the cancellation meeting registrations until August 12, 2024. No refunds will be granted after August 12, 2024. Cancellation and refund requests should be sent in writing via email to [meetings@srs.org](mailto:meetings@srs.org) or faxed to 414-276-3349. Delegates will receive a confirmation and refund within 14 days of receipt of their cancellation notice.

## QUESTIONS

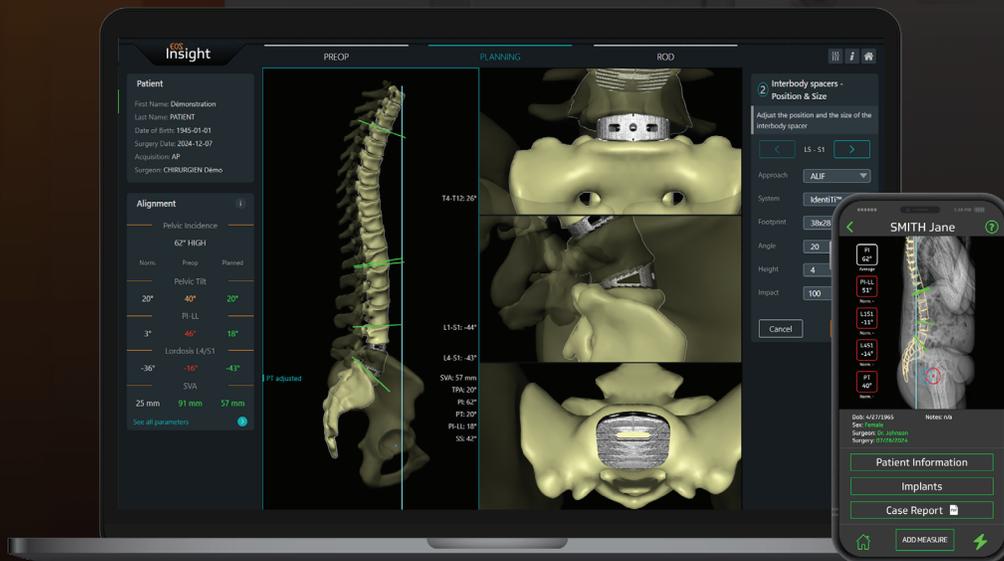
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For registration questions, please contact the SRS Meetings team at [meetings@srs.org](mailto:meetings@srs.org).

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# HOUSING INFORMATION

## KEY DATES

Hotel Booking Deadline is August 4, 2024

When booking your hotel reservation, please note relevant cancellation policies related to your specific booking as they vary between hotels. Please visit [www.srs.org/AM24#housing](http://www.srs.org/AM24#housing) for detailed information regarding housing.

## METHOD OF RESERVATION

**bnetwork** has been appointed by the Scoliosis Research Society as the official housing bureau for the SRS 2024 Annual Meeting.

Online Reservation Booking site: <https://srshotels.bnetwork.com//Home.aspx>

### Reservation Inquires

All reservation inquires should be sent to [srshotels@bnetwork.com](mailto:srshotels@bnetwork.com).

### SRS cannot make or change hotel reservations.

All reservations, cancellations, and changes to reservations should be made directly through bnetwork by email or phone (+34 93 550 03 50). All cancellation and refund policies are at the discretion of each hotel.

## Frequently Asked Questions

Please visit: [www.srs.org/AM24#housing](http://www.srs.org/AM24#housing)

### Group of 6 or More:

For group requests of 6 or more guest rooms, please email [srshotels@bnetwork.com](mailto:srshotels@bnetwork.com), directly

### Cancellation Policy

Cancellations shall be communicated to bnetwork in writing via email at the following address: [srshotels@bnetwork.com](mailto:srshotels@bnetwork.com). Penalties may apply. Telephone cancellations are not accepted as valid.

### Payment policy

Upon acknowledgement of booking, a deposit corresponding to the 50% of the total cost of your reservation is requested to secure your hotel reservation.

By July 11<sup>th</sup> 2024 an additional 50% deposit is requested, for a total amounting to the 100% of the total reserved allotment.

Failure to pay the remaining 50% deposit by July 11<sup>th</sup> 2024 will result in cancellation of the reservation and forfeiture of all deposits paid.

From July 12<sup>th</sup> 2024, any additional booking must be paid at the moment of making the reservation. Bookings without payment will not be confirmed.

## PLEASE NOTE!

The America's Cup, considered one of the premier sporting events in the world, will take place the same week as Annual Meeting which means hotel space will be at a premium. We strongly recommend booking your hotel now at [www.srs.org/AM24](http://www.srs.org/AM24)

## MEETING OUTLINE - Subject to change

| <b>MONDAY, SEPTEMBER 9, 2024</b>     |  |
|--------------------------------------|--|
| 09:00-17:00                          | SRS Board of Directors Meeting                                       |
| <b>TUESDAY, SEPTEMBER 10, 2024</b>   |  |
| 07:00-15:00                          | Committee and Council Meetings*                                      |
| 12:00-17:00                          | Registration Open  |
| 13:00-17:00                          | Hibbs Society Meeting  |
| 18:30-21:30                          | SRS Leadership Dinner* (by invitation only)                          |
| <b>WEDNESDAY, SEPTEMBER 11, 2024</b> |  |
| 08:00-19:30                          | Registration Open  |
| 09:00-13:00                          | Pre-Meeting Course   |
| 13:00-13:15                          | Lunch Pick-up*   |
| 13:15-14:15                          | Lunchtime Symposia (3 concurrent sessions)                           |
| 14:15-14:30                          | Break*   |
| 14:30-16:00                          | Abstract Session 1   |
| 16:00-16:20                          | Break*   |
| 16:20-18:05                          | Abstract Session 2   |
| 18:05-18:20                          | Break*   |
| 18:20-22:00                          | Opening Ceremonies and Welcome Reception*                            |
| <b>THURSDAY, SEPTEMBER 12, 2024</b>  |  |
| 07:30-08:30                          | L.E.A.D. SRS Breakfast * (by invitation only)                        |
| 08:00-17:00                          | Registration Open  |
| 09:00-10:50                          | Abstract Session 3   |
| 10:50-11:10                          | Break*   |
| 11:10-13:15                          | Abstract Session 4, Harrington Lecture & Lifetime Achievement Awards |
| 13:15-13:30                          | Lunch Pick-up*   |
| 13:30-15:00                          | Industry Workshops* (5 concurrent sessions)                          |
| 15:00-15:10                          | Break*   |
| 15:00-17:00                          | L.E.A.D. SRS Cohort Session* (by invitation only)                    |
| 15:10-16:55                          | Abstract Sessions 5A & 5B (concurrent sessions)                      |
| 17:00-18:30                          | Networking Sessions Hosted by Industry*                              |

\*denotes a non-CME session/event

## MEETING OUTLINE - Subject to change

| FRIDAY, SEPTEMBER 13, 2024   |  |
|------------------------------|--|
| 07:30-08:30                  | Past Presidents' Breakfast* (by invitation only)                       |
| 08:00-18:00                  | Registration Open  |
| 09:00-10:50                  | Abstract Session 6: Hibbs Award-Nominated Papers                       |
| 10:50-11:10                  | Break*   |
| 11:10-13:00                  | Abstract Session 7 & Presidential Address                              |
| 13:15-14:30                  | SRS Member Business Meeting & Lunch* (Lunch will be served in room)    |
| 13:15-14:30                  | Non-Member Lunch & Information Session* (Lunch will be served in room) |
| 14:30-14:45                  | Break*   |
| 14:45-16:30                  | Abstract Sessions 8A & 8B (concurrent sessions)                        |
| 16:30-16:50                  | Break*   |
| 16:50-18:35                  | Abstract Session 9   |
| 19:30-20:30                  | President's Reception* (by invitation only)                            |
| 20:00-22:00                  | Farewell Reception* (tickets required)                                 |
| SATURDAY, SEPTEMBER 14, 2024 |  |
| 07:30-08:30                  | SRS Board of Directors Meeting*  |
| 08:30-12:30                  | Registration Open  |
| 09:00-11:10                  | Abstract Session 10  |
| 11:10-11:30                  | Break*   |
| 11:30-13:15                  | Abstract Session 11 & Transfer of Presidency                           |
| 13:15                        | SRS 59 <sup>th</sup> Annual Meeting Concludes                          |

\*denotes a non-CME session/event

# Current Concepts in SPINE DEFORMITY

Prague, Czechia | June 7-9, 2024



in collaboration with



**Register Now**

[www.srs.org/ccsd](http://www.srs.org/ccsd)



## SPINE DEFORMITY SOLUTIONS: **A HANDS-ON COURSE**

FROM THE SCOLIOSIS RESEARCH SOCIETY

**NOVEMBER 14-17, 2024**

Bangkok, Thailand

[www.srs.org/sds](http://www.srs.org/sds)

**SAVE THE DATE**

## 13:00 - 17:00 HIBBS SOCIETY MEETING: DEFORMITY FROM 7 TO 77

*Chairs: Emmanuelle Ferrero, MD, PhD, Seung-Jae Hyun, MD, PhD, Kenny Y. Kwan, MD & Qianyu Zhuang, MD*

## 13:00 - 14:13 Hibbs Society 1: Pediatric

*Moderators: Kenny Y. Kwan, MD & Qianyu Zhuang, MD*

- 13:00 - 13:05 **Introduction**  
*David S. Marks, MBBS, FRCS, FRCSOrth*
- 13:05 - 13:12 **Techniques and Pitfalls of Casting in Early Onset Scoliosis**  
*James O. Sanders, MD*
- 13:12 - 13:19 **Apical Control Growing Rod Technique in the Treatment of Congenital EOS**  
*Terry Jianguo Zhang, MD*
- 13:19 - 13:26 **Posterior Hemivertebra Resection with Short Fusion for Congenital Scoliokyphosis-More than 10 Years Follow-Up**  
*Qianyu Zhuang, MD*
- 13:26 - 13:33 **Is There Still a Role for Magnetically Controlled Growing Rods?**  
*Kenny Y. Kwan, MD*
- 13:33 - 13:40 **Tethering in Tweeners**  
*A. Noelle Larson, MD*
- 13:40 - 13:47 **When Do I Fuse when Do I Tether in Lumbar Curve?**  
*Amer F. Samdani, MD*
- 13:47 - 13:54 **Management of Syndromic Scoliosis**  
*David S. Marks, MBBS, FRCS, FRCSOrth*
- 13:54 - 14:04 **Case Discussion**  
*Kenny Y. Kwan, MD*
- 14:04 - 14:13 **Discussion**

**14:13 - 15:30 Hibbs Society 2: Adult***Moderators: Emmanuelle Ferrero, MD, PhD & Seung-Jae Hyun, MD, PhD***14:13 - 14:21 Surgical Challenges in Old AIS***Emmanuelle Ferrero, MD, PhD***14:21 - 14:26 Specificity of Sagittal Profile***Renaud Lafage, MS***14:26 - 14:32 PJK: Why and How to Prevent***Virginie Lafage, PhD***14:32 - 14:38 Young vs Old AIS: Clinical and Surgical Outcomes***Frank J. Schwab, MD***14:38 - 14:44 Clinical Case Live Voting: LIV in Old Lenke***Bassel G. Diebo, MD***14:44 - 14:52 Discussion****14:52 - 14:58 Promising Parameter L1 PA***Michael P. Kelly, MD***14:58 - 15:04 Take a Look at Head/Hip: Impact of Head-Hip Offset on Mechanical Failure***Seung-Jae Hyun, MD, PhD***15:04 - 15:10 Preoperative Surgical Planning in Real World***Justin S. Smith, MD, PhD***15:10 - 15:16 How I Do It Intraoperatively for Optimal Sagittal Correction***Rajiv K. Sethi, MD***15:16 - 15:22 How I Use AI or Machine Learning for ASD***Samuel K. Cho, MD***15:22 - 15:30 Discussion****15:30 - 15:50 Refreshment Break\*****15:50 - 17:00 Hibbs Society 3: New Technologies in OR Daily Life***Moderator: David S. Marks, MBBS, FRCS, FRCS(Orth)***15:50 - 16:00 3D Printing in Huge Deformity***Brice Ilharreborde, MD, PhD***16:00 - 16:10 AI: Patient Specific Rods***Gregory M. Mundis Jr., MD***16:10 - 16:20 Pelvic Fixation***David W. Polly, MD***16:20 - 16:30 Different Navigation Options***James O. Sanders, MD***16:30 - 16:40 How to Help the Surgeon: Motor and Robot***David L. Skaggs, MD, MMM***16:40 - 16:50 End of the Day Clinical Case***Kariman Abelin-Genevois, MD***16:50 - 17:00 Discussion**

**09:00 - 13:00 PRE-MEETING COURSE | Long-Term Outcomes of Spine Deformity Surgery, Update On Current Knowledge and Future Directions***Co-Chairs: Javier Pizones, MD, PhD & Brian Hsu, MD***09:00 - 10:00 Part 1: Long-Term Results (10-yr FU) of EOS Patients***Moderators: Amy L. McIntosh, MD & David L. Skaggs, MD, MMM***09:00 - 09:06 Long-Term Pulmonary and Physical Function in EOS Graduates**  
*Charles E. Johnston, MD***09:06 - 09:12 Long-Term Mental Health in EOS Graduates**  
*Muharrem Yazici, MD***09:12 - 09:18 Long-Term Hazards After EOS Treatment**  
*G. Ying Li, MD***09:18 - 09:30 Discussion****09:30 - 09:36 Long-Term Experience Comparing TGR vs MCGR**  
*Firoz Miyajji, MD, FRCSC***09:36 - 09:42 Update in Knowledge: Observation vs Final Fusion for EOS Graduates**  
*Paul D. Sponseller, MD, MBA***09:42 - 09:48 Future Directions for EOS Management**  
*René M. Castelein, MD, PhD***09:48 - 10:00 Discussion****10:00 - 10:18 Invited Lecture****10:00 - 10:10 A New Clinical Phenotype to Understand Pain and Anxiety: The Clue of Joint Hypermobility**  
*Antonio Bulbena, MD, PhD, MSC (Cantab)***10:10 - 10:18 Discussion****10:18 - 11:18 Part 2: Long-Term Results (25-yr FU) of AIS Patients***Moderators: Laurel C. Blakemore, MD & Suken A. Shah, MD***10:18 - 10:24 Update in Knowledge: Natural History of Non-Operated AIS Patients**  
*Martin Gehrchen, MD, PhD***10:24 - 10:30 Long-Term Clinical Outcomes of Operated AIS Patients**  
*Francisco Javier S. Perez-Grueso, MD***10:30 - 10:36 Long-Term Distal Degeneration Radiographic and MRI Results**  
*Meric Enercan, MD***10:36 - 10:48 Discussion****10:48 - 10:54 Sagittal Plane in the Long Run, Transition from the Pediatric World**  
*Nicholas D. Fletcher, MD***10:54 - 11:00 Pregnancy and Child-Bearing After Posterior Spinal Fusion for AIS**  
*A. Noelle Larson, MD***11:00 - 11:06 The Future of Psychosocial and Qualitative Research Applied to AIS**  
*Brandon A. Ramo, MD***11:06 - 11:18 Discussion****11:18 - 11:33 Refreshment Break\*****11:33 - 11:51 Invited Lecture****11:33 - 11:51 Latest Advances in Frailty and Sarcopenia Research: What Spinal Surgeons Need to Know to Care for the Aging Population**  
*To be announced*

**11:51 - 12:59 Part 3: Long-Term Outcomes of Spine Deformity Surgery, Update on Current Knowledge and Future Directions***Moderators: Serena S. Hu, MD & Munish C. Gupta, MD, MBA***11:51 - 11:58 Long-Term Results of the Adult Symptomatic Lumbar Scoliosis (ASLS) Cohort**  
*Michael P. Kelly, MD***11:58 - 12:05 Are We Improving Our Performance/Outcomes Compared to 10 Years Ago?**  
*Ferran Pellisé, MD, PhD***12:05 - 12:12 How Has MIS and Anterior Surgery Changed Our Practice in the Last 10 Years**  
*Juan S. Uribe, MD***12:12 - 12:24 Discussion****12:24 - 12:31 Health Economics Impact on ASD Surgery**  
*Rajiv K. Sethi, MD***12:31 - 12:38 The Role of Machine Learning and AI Applied to ASD**  
*Mitsuru Yagi, MD, PhD***12:38 - 12:45 The Future Role of Epigenetic Clocks/Senescence in ASD Surgery**  
*Christopher P. Ames, MD***12:45 - 12:57 Discussion****12:57 - 12:59 Conclusion**  
*Javier Pizones, MD, PhD & Brian Hsu, MD***12:59 - 13:15 Lunch Pick-Up\*****13:15 - 14:15 LUNCHTIME SYMPOSIA (LTS) (three concurrent sessions)****13:15 - 14:15 LTS 1: Hypo to Hyper Kyphosis: Challenges in Sagittal Plane Management***Moderators: Michelle C. Welborn, MD & Suken A. Shah, MD***13:15 - 13:20 Pulmonary Peril of Severe Lordosis**  
*Patrick J. Cahill, MD***13:20 - 13:25 Construct Selection and Avoiding Anchor Failure in Extremes of the Sagittal Plane**  
*Steven W. Hwang, MD***13:25 - 13:30 Discussion****13:30 - 13:35 How the Sagittal Plane Impacts Bracing**  
*Kenny Y. Kwan, MD***13:35 - 13:40 VBT - The Limitation of the Sagittal Plane**  
*Stephanie Da Paz, MD***13:40 - 13:45 Rod Selection and Differential Rod Contouring**  
*Stefan Parent, MD, PhD***13:45 - 13:50 Discussion****13:50 - 13:54 HGT and Other Adjuncts to Improve Sagittal Fixation**  
*Teresa Bas, MD, PhD***13:54 - 13:58 When I Consider a 3 Column Osteotomy**  
*Michael Ruf, MD***13:58 - 14:02 When Is Enough Enough - Avoiding Overcorrection**  
*Amer F. Samdani, MD***14:02 - 14:05 Discussion****14:05 - 14:09 Bringing It Home: Evolution of the Sagittal Plane**  
*Michael P. Kelly, MD*

**13:15 - 14:15 LTS 2: A Step Towards Improving Pre-Operative Optimization for Deformity Surgery - Creating a Pre-Operative Optimization Conference (POC)**

*Moderators: Ferran Pellisé, MD, PhD & Mark Weidenbaum, MD*

13:15 - 13:19 The Value of Developing a Pre-Operative Optimization Conference and a Screening Tool for Deformity Surgery  
*Mark Weidenbaum, MD*

13:19 - 13:24 From a Practical Standpoint, does Risk Stratification Help Me to Optimize my Complex Deformity Patient?  
*Ferran Pellisé, MD, PhD*

13:24 - 13:28 Practical Hard Stops  
*Zeeshan M. Sardar, MD*

13:28 - 13:33 Discussion

**Panel 1: Optimizing my Complex Pediatric Deformity Patient**

*Andre Luis F. Andujar, MD, Martin Repko, MD, PhD, Reuben CC Soh, MBBS, FRCS, & Lindsay M. Andras, MD*

13:33 - 13:34 Case 1

13:34 - 13:38 Panel Discussion

13:38 - 13:43 Audience Q&A

13:43 - 13:44 Case 2

13:44 - 13:48 Panel Discussion

13:48 - 13:53 Audience Q&A

**Panel 2: Optimizing my Complex Adult Deformity Patient**

*Ahmet Alanay, MD, Didik Librianto, MD, PhD, Javier Pizones, MD, PhD, & Mitsuru Yagi, MD, PhD*

13:53 - 13:54 Case 1

13:54 - 13:58 Panel Discussion

13:58 - 14:03 Audience Q&A

14:03 - 14:04 Case 2

14:04 - 14:08 Panel Discussion

14:08 - 14:13 Audience Q&A

14:13 - 14:15 Conclusion

*Ferran Pellisé, MD, PhD & Mark Weidenbaum, MD*

**13:15 - 14:15 LTS 3: Surgeon Longevity in Spine Surgery: Helping Our Patients While Protecting Ourselves**

*Moderators: Eren Kuris, MD & Alan Daniels, MD*

13:15 - 13:17 Introduction and Welcome  
*Eren Kuris, MD*

13:17 - 13:21 Occupational Hazards in Spine Surgery  
*Alan H. Daniels, MD*

13:21 - 13:29 The Physical Demands of Spine Surgery  
*David L. Skaggs, MD, MMM*

13:29 - 13:37 Radiation Safety in Spinal Deformity Surgery  
*Evalina L. Burger, MD*

13:37 - 13:47 Panel Discussion 1 and Q&A

*Evalina L. Burger, MD, David L. Skaggs, MD, MMM, Eren Kuris, MD, & Alan H. Daniels, MD*

13:47 - 13:55 Mental Health and Stress Management in Spinal Deformity Surgery  
*Todd J. Albert, MD*

13:55 - 14:03 Dealing with Difficult Outcomes and Complications

*Marinus de Kleuver, MD, PhD*

14:03 - 14:13 Panel Discussion 2 and Q&A

*Eren Kuris, MD, Alan H. Daniels, MD, Todd J. Albert, MD, & Marinus de Kleuver, MD, PhD*

14:13 - 14:15 Closing Remarks

*Eren Kuris, MD*

14:15 - 14:30 Break\*

14:30 - 16:00 ABSTRACT SESSION 1

Abstract Session 1: Adolescent Idiopathic Scoliosis

*Moderators: Joshua M. Pahys, MD & Kota Watanabe, MD, PhD*

16:00 - 16:20 Refreshment Break\*

16:20 - 18:05 ABSTRACT SESSION 2

Abstract Session 2: Adult Spinal Deformity

*Moderators: Robert K. Eastlack, MD & Khaled M. Kebaish, MD*

18:05 - 18:20 Break\*

18:20 - 19:40 OPENING CEREMONIES

18:20 - 18:25 Welcome to Barcelona

*Ferran Pellisé, MD, PhD*

18:25 - 18:30 Presidential Message

*Marinus de Kleuver, MD, PhD*

18:30 - 18:37 Acknowledgement of SRS Donors

*Michael P. Kelly, MD*

18:37 - 18:42 SRS Special Projects, Updates & Announcements

*To be announced*

18:42 - 18:49 Presentation of Blount Humanitarian Award

*Alexandre F. Cristante, MD, PhD, FRCS(C)*

18:49 - 18:52 Importance of Our Corporate Partners

*Han Jo Kim, MD*

18:52 - 19:10 Acknowledgement of Corporate Supporters

*Han Jo Kim, MD*

19:10 - 19:15 Introduction of Howard Steel Lecturer

*Marinus de Kleuver, MD, PhD*

19:15 - 19:35 Howard Steel Lecture

*Bruno Dubois*

19:35 - 19:40 Closing Remarks

*Marinus de Kleuver, MD, PhD*

19:40 - 22:00 WELCOME RECEPTION\*

**07:30 - 08:30** L.E.A.D. SRS COHORT BREAKFAST\* *(by invitation only)*

**09:00 - 10:50** ABSTRACT SESSION 3

Abstract Session 3: Quality/Safety/Value/Complications

Moderators: Aaron J. Buckland, MBBS, FRCSA & Naobumi Hosogane, MD, PhD

**10:50 - 11:10** Refreshment Break\*

**11:10 - 13:15** ABSTRACT SESSION 4, HARRINGTON LECTURE & LIFETIME ACHIEVEMENT AWARDS

Abstract Session 4: Quality/Safety/Value/Complications

Moderators: Anand Veervagu, MD, FAANS & Gregory M. Mundis Jr., MD

**11:10 - 12:35** Abstract Session 4

**12:35 - 12:40** Harrington Lecture Introduction

*Marinus de Kleuver, MD, PhD*

**12:40 - 13:00** Harrington Lecture

*Steven D. Glassman, MD*

**13:00 - 13:15** Presentation of the Lifetime Achievement Awards

*Laurel C. Blakemore, MD & Suken A. Shah, MD*

**13:15 - 13:30** Lunch Pick-Up\*

**13:30 - 15:00** INDUSTRY WORKSHOPS\* *(5 concurrent sessions)*

Annual Meeting delegates are encouraged to attend the Industry Workshops on Thursday, September 12 from 13:30-15:00. Each workshop is programmed by a single-supporting company and will feature presentations on topics selected by the company.

*Please note: CME credits are not available for Industry Workshops.*

**15:00 - 17:00** L.E.A.D. SRS COHORT SESSION *(by invitation only)*

**15:00 - 15:10** Refreshment Break\*

**15:10 - 16:55** ABSTRACT SESSIONS 5A & 5B *(concurrent sessions)*

Abstract Session 5A: Adult Spinal Deformity II

Moderators: Javier Pizones, MD, PhD & Raymond J. Hah, MD

Abstract Session 5B: Adolescent Idiopathic Scoliosis II

Moderators: Alpaslan Senkoylu, MD & Firoz Miyanji, MD, FRCSC

**17:00 - 18:30** Networking Sessions Hosted by Industry

*CME credits are not available for industry hosted cocktail events.*

## 09:00 - 10:50 ABSTRACT SESSION 6

Abstract Session 6: Hibbs Award-Nominated Papers

Moderators: *Ivan Cheng, MD and Mitsuru Yagi, MD, PhD*

09:00 - 09:05 Welcome & Introduction to the Hibbs Award

*Ivan Cheng, MD & Mitsuru Yagi, MD, PhD*

09:05 - 10:50 Abstract Session 6

## 10:50 - 11:10 Refreshment Break\*

## 11:10 - 13:00 ABSTRACT SESSION 7 & PRESIDENTIAL ADDRESS

Abstract Session 7: Adult Spinal Deformity III

Moderators: *Cristiano M. Menezes, MD, PhD & Charles H. Crawford III*

11:10 - 12:13 Abstract Session 7

12:13 - 12:16 2025 IMAST Preview

*Meric Enercan, MD & Kristen E. Jones, MD, FAANS*

12:16 - 12:19 2025 Annual Meeting Preview

*A. Noelle Larson, MD*

12:19 - 12:22 2025 Regional Courses Preview

*Martin Repko, MD, PhD*

12:22 - 12:28 Acknowledge 2024 Research Grant Recipients Including Biederman & Cotrel

*Peter G. Passias, MD*

12:28 - 12:35 Acknowledgement of 2024 Awards & Scholarship Winners

*Alexandre F. Cristante, MD, PhD, FRCS(C)*

12:35 - 12:40 Introduction of the President

*Laurel C. Blakemore, MD*

12:40 - 13:00 Presidential Address

*Marinus de Kleuver, MD, PhD*

## 13:15 - 14:30 SRS MEMBER BUSINESS MEETING & LUNCH\* (*Lunch will be served in room*)

All SRS members are invited to the Member Business Meeting. Agendas will include reports from the various SRS committees, updates on SRS activities and programs, and voting.

## 13:15 - 14:30 NON-MEMBER LUNCH & INFORMATION SESSION\* (*Lunch will be served in room*)

## 14:30 - 14:45 Break\*

## 14:45 - 16:30 ABSTRACT SESSIONS 8A & 8B (*concurrent sessions*)

Abstract Session 8A: Cervical Deformity and Early Onset Scoliosis

Moderators: *Stephen J. Lewis, MD, MSc, FRCSC & Alan H. Daniels, MD*

Abstract Session 8B: Kyphosis and Basic Science

Moderators: *G. Ying Li, MD & Jwalant S. Mehta, FRCS(Orth), MCh (Orth), MS (Orth), D Orth*

## 16:30 - 16:50 Refreshment Break\*

## 16:50 - 18:35 ABSTRACT SESSION 9

Abstract Session 9: Adolescent Idiopathic Scoliosis III and Non-Operative Treatment Methods

Moderators: *Amy L. McIntosh, MD & Ahmet Alanay, MD*

## 20:00 - 22:00 FAREWELL RECEPTION\* (*ticket required*)

Open to all registered attendees and guests of registered attendees. Registration is required and tickets must be purchased in advance. Tickets are \$50 for registered attendees and guest tickets may be purchased for \$150 per guest. A limited number of tickets may be available onsite, but SRS urges delegates to purchase tickets at the time of registration. Please visit the Annual Meeting website at [www.srs.org/AM24#registration](http://www.srs.org/AM24#registration) for further information.

## 09:00 - 11:10 ABSTRACT SESSION 10, HIBBS AWARD PRESENTATION, & TRANSFER OF PRESIDENCY

Abstract Session 10: Adult Spinal Deformity IV and Miscellaneous

Moderators: *Venu M. Nemani, MD, PhD & Ibrahim Obeid, MD*

10:45 - 10:55 Presentation of the Hibbs Award(s)

*Brian Hsu, MD & Javier Pizones, MD, PhD*

10:55 - 11:05 Transfer of the Presidency Introduction

*Marinus de Kleuver, MD, PhD*

11:05 - 11:10 Transfer of the Presidency Speech

*Laurel C. Blakemore, MD*

## 11:10 - 11:30 Refreshment Break\*

## 11:30 - 13:15 ABSTRACT SESSION 11

Abstract Session 11: Neuromuscular and Miscellaneous

Moderators: *Saamyajit Basu, MD & W.G. Stuart Mackenzie, MD*

## 13:15 ADJOURNMENT | 59<sup>TH</sup> SRS ANNUAL MEETING CONCLUDES

*SAVE THE DATE*



Scoliosis  
Research  
Society

An aerial photograph of a historic city center, likely Glasgow, showing a dense cluster of multi-story stone buildings with many windows. A prominent curved structure, possibly a bridge or a large building, is visible on the left side. The scene is bathed in warm, golden light, suggesting late afternoon or early morning.

# 32<sup>nd</sup> IMAST

International Meeting on Advanced Spine Techniques  
April 2-5, 2025 **GLASGOW, SCOTLAND**



# SRS BOARD OF DIRECTORS AND CHAIRS

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## ABOUT SRS



Founded in 1966, the Scoliosis Research Society is an organization of medical professionals and researchers dedicated to improving care for patients with spinal deformities. Over the years, it has grown from a group of 37 orthopaedic surgeons to an international organization of more than 1,600 health care professionals.

### MISSION STATEMENT

The purpose of the Scoliosis Research Society is to foster the optimal care of all patients with spinal deformities.

### DEI STATEMENT

The SRS recognizes the benefit of bringing the knowledge, perspectives, experiences, and insights of a diverse membership to our society. We are committed to including outstanding members from the broad spectrum of human ethnicities, genders, sexual orientations, national origins, geographic backgrounds, abilities, disabilities, religious beliefs, and ages. We will create a culture that is equitable and inclusive, where everyone has a voice and differences are celebrated. By building a membership and leadership who better reflect the diverse communities we study and care for, we foster better and more equitable care for patients with spinal disorders.



### MEMBERSHIP

SRS is open to orthopaedic surgeons, neurosurgeons, researchers, and allied health professionals who have a practice that focuses on spinal deformity. Visit [www.srs.org/membership](http://www.srs.org/membership) for more information on membership types, requirement details, and to apply online.

### PROGRAMS AND ACTIVITIES

SRS is focused primarily on education and research that include the Annual Meeting, the International Meeting on Advanced Spine Techniques (IMAST), Worldwide Courses, the Research Education Outreach (REO) Fund, which provides grants for spine deformity research, and development of patient education materials.

### WEBSITE INFORMATION

For the latest information on SRS meetings, programs, activities, and membership please visit <http://www.srs.org>. The SRS Website Committee works to ensure that the website information is accurate, accessible, and tailored for target audiences. Site content is varied and frequently uses graphics to stimulate ideas and interest. Content categories include information for medical professionals, patients/public, and SRS members.

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Join the conversation surrounding the SRS Annual Meeting by including **#SRSAM24** in your social media posts.

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### SCOLIOSIS RESEARCH SOCIETY

555 East Wells Street, Suite 1100  
Milwaukee, WI 53202  
Phone: 414-289-9107  
Fax: 414-276-3349  
[www.srs.org](http://www.srs.org)





**Early Registration Rate Ends: August 12, 2024. Online registration will remain open until August 28, 2024 at the late registration rate.**

Completed registration forms should be emailed or mailed to the SRS Office. Online registration is available at [www.srs.org/AM2024](http://www.srs.org/AM2024).

Email: [meetings@srs.org](mailto:meetings@srs.org) | Mailing Address: Scoliosis Research Society, 555 E. Wells Street, Suite 1100, Milwaukee, WI, 53202, United States

DELEGATE INFORMATION

SRS ID Number \_\_\_\_\_ First (Given) Name \_\_\_\_\_ Last (Family) Name \_\_\_\_\_ Suffix (Jr, III, etc.) \_\_\_\_\_ Degree (MD, PhD, etc.) \_\_\_\_\_

Email Address (All correspondence is done by email) \_\_\_\_\_

Assistant/ Company Personnel Email Address \_\_\_\_\_

Institution \_\_\_\_\_

Mailing Address \_\_\_\_\_

City (To appear on badge) \_\_\_\_\_ State \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_ Country (To appear on badge) \_\_\_\_\_

Specialty:  Orthopaedic Surgeon  Neurosurgeon  Industry  Other: \_\_\_\_\_

| REGISTRATION CLASS                  | EARLY REGISTRATION<br><i>On or before August 12, 2024</i> | 59 <sup>TH</sup> ANNUAL MEETING ADD-ONS  |  |
|-------------------------------------|---|--|--|
|                                     |   | CME Add-On   | Non-CME Add-On   |
| SRS Member Physician                | <input type="checkbox"/> \$ 1,050                         | Hibbs Society Meeting<br>Tuesday, Sept. 10<br><input type="checkbox"/> \$ 50                                   | Opening Ceremonies & Welcome Reception<br>Wednesday, Sept. 11<br><input type="checkbox"/> \$ 0<br><br>Farewell Reception<br>Friday, Sept. 13<br><input type="checkbox"/> \$ 50 |
| SRS Member - Non-Physician          | <input type="checkbox"/> \$ 600                           | Welcome Reception:<br>Wednesday, Sept. 11<br>Guest first/last name:<br>_____<br><input type="checkbox"/> \$ 50 | Farewell Reception<br>Friday, Sept. 13<br>Guest first/last name:<br>_____<br><input type="checkbox"/> \$ 150   |
| SRS Emeritus Member                 | <input type="checkbox"/> \$ 600                           |  |  |
| Non-Member Physician                | <input type="checkbox"/> \$ 1,400                         |  |  |
| Non-Member Non-Physician            | <input type="checkbox"/> \$ 750                           |  |  |
| Resident/Fellow/Medical Student     | <input type="checkbox"/> \$ 550                           |  |  |
| Delegate from Reduced Rate Country* | <input type="checkbox"/> \$ 550                           |  |  |
| Industry Representative             | <input type="checkbox"/> \$ 1,450                         |  |  |

\*For information on countries that qualify for reduced rate registration, please click [here](#).

Annual Meeting Final Program

- I would like to help SRS reduce its carbon footprint and will use a digital only copy of the Final Program (Final Program will be accessible on the mobile app)
- I would like a hard copy of the final program upon arrival in Barcelona \$25

**Registration** includes admission to the pre-meeting course, lunchtime symposia, scientific sessions, Opening Ceremonies, Welcome Reception, and industry workshops at the meeting venue in Barcelona, and access to the recorded content 4-6 weeks following the meeting.

Total Fees \$ \_\_\_\_\_ USD

- Include me on any published delegate list, including the list provided to corporate supporters so that they may send me information about their products, services, and involvement at the meeting.

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- Exclude me on SRS emails for future meetings offered by SRS.

PAYMENT INFORMATION

**Checks (U.S. funds drawn on a U.S. bank only) may be made payable and mailed to:**  
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**Cancellation Policy:** Full refunds, less a 10% processing fee, will be granted for the cancellation meeting registrations until August 12, 2024. No refunds will be granted after August 12, 2024. Cancellation and refund requests should be sent in writing via email to [meetings@srs.org](mailto:meetings@srs.org). Delegates will receive confirmation and refund within 14 days of receipt of their cancellation notice.

**Waiver:** Submission of this registration form and payment of associated fee serves as agreement by the delegate to release the Scoliosis Research Society, the Centre de Convencions Internacional de Barcelona (CCIB) and their respective agents, servants, employees, representatives, successors, and assigns, from any and against all claims, demands, causes of action, damages, costs, and expenses, including attorneys' fees, for injury to person or damage to property arising out of attendance at the 59th Annual Meeting. In addition, the delegate hereby grants permission to use his/her likeness in a photograph or other digital reproduction in any and all of its publications, including website entries, without payment or any other consideration, agreeing that these materials will become the property of SRS which has the right to edit, alter, copy, exhibit, publish, or distribute this photo for purposes of publicizing its programs or for any other lawful purpose. Additionally, the delegate waives any right to royalties or other compensation arising or related to the use of the photograph.

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**Completed registration forms should be emailed, or mailed to the SRS Office.**

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