

9TH Annual

SUMMER SINUS SYMPOSIUM

American Rhinologic Society



**Loews Hotel
Miami, Florida USA
South Beach**

*Best Sinus Course in the World:
Improving Rhinology from Office to OR*

July 24-26, 2020

**NEW for 2020: Allergy Program
& Breakout Rooms, see pgs 8 & 12**

**Course Translated in Spanish,
Spanish Breakout Room, see pg 13**

REGISTRATION & HOUSING INFORMATION



Welcome from the ARS President



Robert Kern,
MD, FARS

WELCOME!

We are delighted that you are considering attending the Ninth Annual Summer Sinus Symposium. As has been proven year after year, this really is the best sinus course in the world!

The program includes a dynamic and diverse perspective in the management of routine and complex problems. As in previous years, we have focused on panel discussion and audience interaction. Please share your thoughts and experiences with the panelists.

We have included plenty of time to meet the exhibitors who have generously supported this conference and have allowed us to offer it at such minimal expense. Please take a moment to thank them. This is not only the best sinus course in the world, but also the best value in a sinus course in the world.

Finally, enjoy the opportunities to interact with our colleagues during the breaks and the evening social events. Miami Beach is an ideal destination and we are confident you will enjoy all that it has to offer.

Robert Kern, MD
President

ARS EXECUTIVE COMMITTEE

Robert Kern, MD, FARS
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Why attend the ARS Summer Sinus Symposium?

- Engage the presenters: Ask your questions and debate the answers
- Hear the experts discuss the pearls and pitfalls of managing sinusitis
- Watch seasoned surgeons dissect cadavers while answering your questions
- Participate in breakout sessions that are geared towards your practice
- It's not to miss: It's the best sinus course in the world!

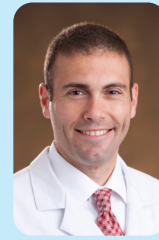
ARS Summer Sinus Symposium | Wendi Perez, Executive Administrator
PO Box 269, Oak Ridge, NJ 07438 | Phone: 973-545-2735 | Fax: 973-545-2736
Email: wendi@american-rhinologic.org

Welcome from the SSS Course Directors

The American Rhinologic Society's 9th Annual Summer Sinus Symposium (SSS) is going to South Beach, Miami Florida USA, July 24-26, 2020. The "Best Sinus Course in the World" will take place at the newly renovated Loews Hotel, directly on the beach. This dynamic course is intended for both the general otolaryngologist as well as sub-specialist in rhinology and endoscopic skull base surgery.



Greg Davis,
MD, FARS



Marc Dubin,
MD, FARS



Douglas Reh,
MD, FARS

If you have not attended the SSS before, it is like no other ARS course. The course is thoughtfully designed to make your practice better. Leaders in our field, both academic and private practice, will moderate interactive panels to tackle the greatest challenges in rhinology. You will learn about the newest equipment, surgical techniques, medications, and devices to improve the care of your patients. There will be an emphasis on in-office procedures, surgical coding, social media optimization, management of inflammatory sinus disease, and the newest techniques in skull base surgery.

New to the SSS is a track of panels on Sunday morning presented in Spanish. In addition, the general ballroom panels on Friday and Saturday morning will have live translations in Spanish

Also new this year is an entire track devoted to allergy and inflammatory sinus disease that will run concurrently with the main session.

There will also be numerous opportunities for free lab dissections provided by many of our corporate sponsors. This is an excellent way to gain exposure to new instruments and equipment while honing your sinus surgical skills. Want to learn how to do a new procedure? Just ask.

As with prior SSS courses, there will be an incredible Signature Event to socialize with our colleagues. Think sand, sandals, and music.

We hope to see you then.

Greg Davis, Marc Dubin, and Doug Reh, SSS Course Directors



ARS 9th Annual Summer Sinus Symposium

PROGRAM INFORMATION

PROGRAM COMMITTEE: Nithin Adappa, MD, FARS; Roy Casiano, MD, FARS; Rohit Garg, MD, FARS; Corinna Levine, MD, FARS; Sarah Wise, MD, FARS

Nithin Adappa, MD, FARS	Stacey Gray, MD, FARS	Li-Xing Man, MD	Gopi Shah, MD
Gustavo Almodovar-Mercado, MD	David Gudis, MD, FARS	R. Peter Manes, MD, FARS	Michael Sillers, MD, FARS
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Sanford Archer, MD, FARS	Ashleigh Halderman, MD, FARS	Mark Mehle, MD	Raj Sindwani, MD, FARS
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Leonardo Balsalobre, MD	Andrea Hebert, MD	James Mims, MD	Rashi Halker Singh, MD
Pete Batra, MD, FARS	Oswaldo Henriquez, MD	Priscilla Miranda, MD	Stephanie Smith, MD
Karen Bednarski, MD, FARS	Alfredo Herrera, MD	Puya Dehgani Mobaraki, MD	C. Arturo Solares, MD
Naveen Bhandarkar, MD, FARS	Thomas Higgins, MD, FARS	Teshamae Monteith, MD	Alla Solyar, MD, FARS
Gino Boero, MD	Eric Holbrook, MD, FARS	Miguel Moscovicz, MD	Joan St. Onge, MD
Robert Bridge, MD, FARS	Ian Humphreys, DO, FARS	Andres Munyo, MD	Whitney Stevens, MD, PhD
Seth Brown, MD, FARS	Peter Hwang, MD, FARS	Jayakar Nayak, MD	Michael Stewart, MD, FARS
Claudio Callejas, MD	Elisa Illing, MD	Rodolfo Nazar, MD	Janalee Stokken, MD, FARS
Daniel Cantero, MD	Christopher Ito, MD	Gretchen Oakley, MD, FARS	J. Pablo Stolovitzky, MD, FARS
Roy Casiano, MD, FARS	Stephanie Joe, MD, FARS	Erin O'Brien, MD, FARS	Scott Stringer, MD, FARS
Yvonne Chan, MD, FARS	Ashutosh Kacker, MD	Javier Ospina, MD	Jeffrey Suh, MD
Rakesh Chandra, MD, FARS	Boris Karanfilov, MD, FARS	James Palmer, MD, FARS	Abtin Tabaei, MD, FARS
Philip Chen, MD, FARS	Robert Kern, MD, FARS	Michael Parker, MD	Bobby Tajudeen, MD
Do-Yeon Cho, MD	Jean Kim, MD, FARS	Monica Patadia, MD	Luisam Tarrats, MD
Garret Choby, MD, FARS	Adam Kimple, MD	Zara Patel, MD, FARS	Miguel Tepedino, MD
Martin Citardi, MD, FARS	Todd Kingdom, MD, FARS	Spencer Payne, MD, FARS	Melinda Thacker, MD
David Clark, MD, FARS	Cristine Klatt-Cromwell, MD	Jayant Pinto, MD	Andrew Thamboo, MD
David Conley, MD, FARS	Devyani Lal, MD, FARS	Michael Platt, MD	Winston Vaughan, MD, FARS
John Craig, MD, FARS	Kent Lam, MD	David Poetker, MD, FARS	Maria Veling, MD
Dana Crosby, MD, FARS	Andrew Lane, MD, FARS	Roheen Raithatha, MD, FARS	Eugenia Vining, MD
Cecelia Damask, DO	Donald Lanza, MD, FARS	Murugappan Ramanathan, MD, FARS	Marilene Wang, MD, FARS
Greg Davis, MD, FARS	Jivianne Lee, MD, FARS	FARS	Sarah Wise, MD, FARS
Anthony Del Signore, MD	Stella Lee, MD	Sanjeet Rangarajan, MD	Troy Woodard, MD, FARS
H. Peter Doble, MD, FARS	William Leight, MD	Douglas Reh, MD, FARS	Bradford Woodworth, MD, FARS
Angela Donaldson, MD, FARS	Joseph Letort, MD	Camilo Reyes, MD	Arthur Wu, MD, FARS
Marc Dubin, MD, FARS	Corinna Levine, MD, FARS	Kenneth Rodriguez, MD	Adam Zanation, MD
Charles Ebert, Jr, MD, FARS	Joshua Levy, MD, FARS	Austin Rose, MD, FARS	
Alexandre Fellipu, Jr, MD	Jonathan Liang, MD, FARS	Carlos Rugieri, MD	<i>*FARS: Fellow of American Rhinologic Society</i>
Adam Folbe, MD, FARS	Sandra Lin, MD	Matthew Ryan, MD, FARS	
Rohit Garg, MD, FARS	Brian Lobo, MD	Zoukaa Sargi, MD, FARS	
Luis Miguel Garza Talamas, MD	Lauren Luk, MD, FARS	Rodney Schlosser, MD, FARS	
Juan Ignacio Gils, MD	Amber Luong, MD, PhD, FARS	John Schneider, MD	
Andrew Goldberg, MD, FARS	Edward McCoul, MD, FARS	Brent Senior, MD, FARS	
Parul Goyal, MD, FARS	Kibwei McKinney, MD	Edgar Serrano, MD	
Scott Graham, MD, FARS	Luis Fernando Macias, MD	Michael Setzen, MD, FARS	

ARS 9th Annual Summer Sinus Symposium

FRIDAY, JULY 24, 2020

AMERICANA 3

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:45 am - 8:00 am Welcome	Greg Davis, MD, FARS Marc Dubin, MD, FARS Douglas Reh, MD, FARS	
8:00 am - 8:45 am Primary Sinus Surgery: Getting it right the first time <ul style="list-style-type: none">• To understand evidence surrounding extent of primary sinus surgery for CRS• To understand impact of timing upon surgical outcomes for CRS• To understand how septoplasty and turbinate reduction impact ESS outcomes	Rodney Schlosser, MD, FARS	Peter Hwang, MD, FARS Brent Senior, MD, FARS Eugenia Vining, MD Troy Woodard, MD, FARS
8:45 am - 9:30 am Primary frontal sinus surgery: To do, or not to do? <ul style="list-style-type: none">• Audience will understand the indications for frontal sinus surgery and the impact of technology on those indications• Audience will explore the potential benefits and pitfalls of extended frontal sinus surgery• Audience will be able to manage complications from frontal sinus surgery	Pete Batra, MD, FARS	Yvonne Chan, MD, FARS Rakesh Chandra, MD, FARS Andrew Goldberg, MD, FARS James Palmer, MD, FARS
9:30 am - 10:15 am Revision sinus surgery: How much and how big <ul style="list-style-type: none">• Evaluate patients with recalcitrant CRS and formulate a treatment strategy• Differentiate between the different surgical options available to maintain sinus patency• Demonstrate the appropriate surgical techniques in revision surgery of the paranasal sinuses	Roy Casiano, MD, FARS	Charles Ebert, Jr., MD, FARS Jivianne Lee, MD, FARS Amber Luong, MD, PhD, FARS Bradford Woodworth, MD, FARS
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Cadaver Dissection #1: Pearls in primary sinus surgery: Improving technique from office to OR <ul style="list-style-type: none">• To develop a systematic preoperative evaluation of a sinus CT scan• To understand the basic principles of endoscopic sinus surgery• To be able to choose the correct instrumentation to achieve your surgical goals in ESS	Stacey Gray, MD, FARS Moderating	Zara Patel, MD, FARS Dissecting
11:30 am - 12:15 pm Avoiding a FESS mess: Complications and their management <ul style="list-style-type: none">• To develop strategies for complication avoidance in endoscopic sinus surgery• To describe best practices for management of common complications• To discuss common anatomical variants that may predispose a patient to complications	Brent Senior, MD, FARS	David Conley, MD, FARS Marc Dubin, MD, FARS Ashleigh Halderman, MD, FARS Todd Kingdom, MD, FARS Winston Vaughan, MD, FARS
12:15 pm - 1:15 pm Lunch with Exhibitors in Americana 4		

ARS 9th Annual Summer Sinus Symposium

FRIDAY, JULY 24, 2020

AMERICANA 3

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
1:15 pm - 2:00 pm Keynote Address: The Roaring 20s: Moving from Burnout to Wellbeing in the Next Decade <ul style="list-style-type: none">• Understand the effects of burnout on physicians• Discuss the importance of physician wellbeing and health• Describe institutional and person initiatives that support wellbeing• Discuss the plan for the next decade	Joan St. Onge, MD Senior Associate Dean for Graduate Medical Education University of Miami	
2:00 pm - 2:45 pm Office based surgery 2020: Who? How? Why? <ul style="list-style-type: none">• Discuss current limits for office-based rhinology procedures• Discuss criteria for patient selection for office-base rhinology procedure• Explore office preparations, including staff training and equipment, for office-based procedures	Martin Citardi, MD, FARS	Thomas Higgins, MD, FARS Spencer Payne, MD, FARS Michael Sillers, MD, FARS Raj Sindwani, MD, FARS
2:45 pm - 3:15 pm Break with Exhibitors in Americana 4		
3:15 pm - 4:00 pm What do you know about polyposis? <ul style="list-style-type: none">• To discuss the current medical management for CRS with polyposis• To discuss the surgical options for CRS with polyposis• To discuss the variety of topical medications for the treatment of CRS with polyposis	David Poetker, MD, FARS	Karen Bednarski, MD, FARS Robert Kern, MD, FARS Douglas Reh, MD, FARS Winston Vaughan, MD, FARS
4:00 pm - 5:00 pm Biologics for nasal polyposis – what have we learned after one year on the market? <ul style="list-style-type: none">• Review potential indications for on-the-market and actively researched biologic therapies for CRSwNP• Consider patient selection, cost, convenience, and other factors in biologic administration for CRSwNP• Consider nuances of multi-disciplinary treatment for CRSwNP with biologic therapies	Sarah Wise, MD, FARS	Cecelia Damask, DO Stella Lee, MD Joshua Levy, MD, FARS Jayant Pinto, MD Whitney Stevens, MD
7:00 pm - 9:00 pm ARS Signature Cocktail Reception Location: American Lawn		

Join the ARS today and take advantage of the following benefits of society membership:

- Complimentary subscription to the Society's prestigious peer-reviewed journal, International Forum of Allergy and Rhinology
- Opportunity to join leadership and participate in standing committees of the Society to develop and implement programs to advance the interests of the specialty
- Networking in the largest group of Rhinologists worldwide
- Discounted meeting registration for the Society's annual meeting
- Information and opportunities for action on legislative and regulatory issues affecting rhinology and sinus surgery
- Member listing on the ARS Membership Directory
- Online services and personal web page on the ARS network,
- Complimentary subscription the Society's newsletter, Nose News
- Discounted rates for educational products and services offered by the Society
- Early access to third-party symposia associated with ARS meetings
- Discounted services and early access to other services and products provided by the Society
- Advocacy and representation on issues that influence the field of rhinology including those that establish physician reimbursement

SATURDAY, JULY 25, 2020

AMERICANA 3

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00am Breakfast with Exhibitors in Americana 4		
8:00 am - 8:45 am Thinking outside the box: Management of the chronically infected sinus <ul style="list-style-type: none"> • To discuss novel surgical procedures for treatment of the chronically infected sinus • To describe alternative medical therapies for management of recalcitrant chronic sinusitis • To present the relevant evidence for these innovative therapeutic options 	Jivianne Lee, MD, FARS	Stacey Gray, MD, FARS Corinna Levine, MD, FARS David Poetker, MD, FARS Ameet Singh, MD, FARS
8:45 am - 9:30 am Why is my sinus patient coughing? A common sense approach <ul style="list-style-type: none"> • Discuss the workup of cough in the sinus patient • Discuss the role of reflux in CRS • Explore the evidence relating to cough as a symptom in CRS 	Raj Sindwani, MD, FARS	Philip Chen, MD, FARS Do Yeon Cho, MD Angela Donaldson, MD, FARS Ashutosh Kacker, MD
9:30 am - 10:15 am Beyond septoplasty: Advances in the treatment of nasal obstruction <ul style="list-style-type: none"> • To understand ways to assess nasal obstruction before and after surgery • To describe other sources of nasal obstruction in addition to septal deviation • To understand medical and surgical treatments for nasal obstruction, in addition to septoplasty 	Michael Stewart, MD, FARS	Greg Davis, MD, FARS Puy Dehgani Mobarski, MD Christopher Melroy, MD, FARS Jayakar Nayak, MD Marilene Wang, MD, FARS
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Cadaver Dissection #2 - Advanced Surgery Techniques for the Practicing Rhinologist - DCR, Draf III, SPA ligation, Endo Pituitary <ul style="list-style-type: none"> • Understand safe and effective techniques for DCR and dissection around the orbit • Describe the anatomy and angled instruments utilized for complex frontal Draf III dissections • Know the role and advantages of having Otolaryngology as part of a pituitary surgical team 	Spencer Payne, MD, FARS Moderating	Bradford Woodworth, MD, FARS Dissecting
11:30 am - 12:15 pm Complex inflammatory sinusitis cases: Lessons from the masters: Case Presentations <ul style="list-style-type: none"> • Describe surgical techniques for salvaging recalcitrant sinusitis • Understand medical therapies applied in recalcitrant sinusitis • Describe the work-up indicated in medically and surgically recalcitrant sinusitis. 	Raj Sindwani, MD, FARS	Eric Holbrook, MD, FARS Todd Kingdom, MD, FARS Donald Lanza, MD, FARS Jivianne Lee, MD, FARS Douglas Reh, MD, FARS
12:15 pm - 1:15 pm Lunch with Exhibitors in Americana 4		
12:15 pm 5:00 pm Corporate Symposia		

ARS 9th Annual Summer Sinus Symposium

SATURDAY, JULY 25, 2020

Breakout 1 - Allergy Panels - AMERICANA 2

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00 am Breakfast with Exhibitors in Americana 4		
8:00 am - 8:45 am Allergy and immunology: Why is this important? <ul style="list-style-type: none">• Review the definition, classification, prevalence, and socioeconomic impact of allergic rhinitis• Understand sensitization vs. clinical allergy• Review the immunology of allergic rhinitis and allergen immunotherapy.		Stephanie Joe, MD, FARS Monica Patadia, MD Michael Platt, MD Murugappan Ramanathan, MD, FARS
8:45 am - 9:30 am Diagnosing allergy in the otolaryngologist's office: A shifting paradigm? <ul style="list-style-type: none">• Consider the classic presentation of allergic rhinitis – signs and symptoms• Delineate nasal endoscopic findings that may be indicative of an allergic process• Discuss radiologic findings typical of allergy-associated chronic rhinosinusitis		James Mims, MD Sarah Wise, MD, FARS
9:30 am - 10:15 am Medical therapy for allergic rhinitis: Understanding mechanisms and evidence while targeting symptoms <ul style="list-style-type: none">• Consider various pharmacotherapy options for allergic rhinitis• Discuss the mechanisms behind these medications• Consider the available evidence for allergic rhinitis pharmacologic therapies		Murugappan Ramanathan, MD, FARS Douglas Reh, MD, FARS
10:15 am - 10:45 AM Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Allergy testing: Simple techniques for practical applications <ul style="list-style-type: none">• Review techniques for allergy skin testing for aeroallergen sensitivity, with primary emphasis on skin prick testing• Review techniques for in vitro serum testing for aeroallergen sensitivity• Consider patient selection for different allergy testing modalities		Joshua Levy, MD, FARS Sandra Lin, MD, FARS Matthew Ryan, MD
11:30 am - 12:15 pm Case-based panel: Putting it all together <ul style="list-style-type: none">• Utilize a case-based approach to review the concepts of:<ul style="list-style-type: none">• Allergic rhinitis diagnosis• Pharmacotherapy for allergic rhinitis• Allergy testing	Cecelia Damask, DO	Jean Kim, MD, FARS Sandra Lin, MD, FARS James Mims, MD Maria Veling, MD
12:15 pm - 1:15 pm Lunch with Exhibitors in Americana 4		
12:15 pm - 5:00 pm Corporate Symposia		

Register Online Now: <https://cvent.me/GVnAQ1>

ARS 9th Annual Summer Sinus Symposium

SUNDAY, JULY 26, 2020

Breakout A - AMERICANA 3

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00 am Breakfast with Exhibitors in Americana 4		
8:00 am 8:45 am Sinus and eustachian tube balloons: Which, How, and When? <ul style="list-style-type: none">• List available devices and discuss advantages for each• Demonstrate eustachian tube dilation technique• Illustrate traditional and best practice cases of balloon use	Naveen Bhandarkar, MD, FARS	Robert Bridge, MD, FARS Boris Karanfilov, MD, FARS Roheen Raithatha, MD, FARS J. Pablo Stolovitzky, MD, FARS
8:45 am - 9:30 am Managing sinus headaches successfully <ul style="list-style-type: none">• List the differential diagnosis of “sinus” headaches• Distinguish rhinogenic causes from neurogenic sinus headaches using clinical cues• Incorporate a clinical algorithm into practice to address rhinogenic and primary headache disorders	Devyani Lal, MD, FARS	H. Peter Doble, MD, FARS Christopher Ito, MD Lauren Luk, MD, FARS Teshamae Monteith, MD Rashi Halker Singh, MD
9:30 am - 10:15 am Proven and emerging topical therapies for chronic rhinosinusitis <ul style="list-style-type: none">• Understand the topical options for biofilms and sinus infections• Appreciate the importance of topical therapy for controlling inflammation• Discuss emerging “traditional and non-traditional” topical therapies	Winston Vaughan, MD, FARS	David Clark, MD, FARS William Leight, MD Jonathan Liang, MD, FARS Alla Solyar, MD, FARS
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Open your eyes: Improving outcomes in endoscopic DCR and orbital decompression <ul style="list-style-type: none">• To review the pre-operative assessment and management of patients with epiphora and orbitopathy• To review operative techniques for endoscopic DCR and orbital decompression• To review the post-operative management of patients undergoing endoscopic DCR and orbital decompression	Stacey Gray, MD, FARS	Rohit Garg, MD, FARS Scott Graham, MD, FARS Janalee Stokken, MD, FARS Miguel Tepedino, MD Arthur Wu, MD, FARS
11:30 am - 12:15 pm Management of epistaxis in 2020 <ul style="list-style-type: none">• Apply modern algorithms in the care of epistaxis• Evaluate pros and cons of various management options• Manage unique clinical scenarios, including postsurgical epistaxis and the anticoagulated patient	Rakesh Chandra, MD, FARS	Ian Humphreys, DO, FARS Adam Kimple, MD Andrew Lane, MD, FARS Li-Xing Man, MD Andrew Thamboo, MD
12:15 pm Meeting Adjourns		

ARS 9th Annual Summer Sinus Symposium

SUNDAY, JULY 26, 2020

Breakout B - AMERICANA 1

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00 am Breakfast with Exhibitors in Americana 4		
8:00 am - 8:45 am Pediatric sinusitis: Extent of surgery and complex management <ul style="list-style-type: none">• Understand the work-up for refractory pediatric chronic rhinosinusitis• Recognize complications of pediatric sinus infections and their management• Understand the appropriate extent of surgery for pediatric chronic rhinosinusitis	David Gudis, MD, FARS	Sanford Archer, MD, FARS Dana Crosby, MD, FARS Sandra Lin, MD, FARS Austin Rose, MD, FARS Gopi Shah, MD
8:45 am - 9:30 am Endotypes in CRS: Getting it right the first time <ul style="list-style-type: none">• Learn the newest algorithms and tests for endotyping CRS• Modifying surgical techniques and plans based on the CRS endotype• Choosing the appropriate medical therapies based on CRS endotypes	Erin O'Brien, MD, FARS	Garret Choby, MD, FARS Gretchen Oakley, MD, FARS John Schneider, MD Stephanie Smith, MD Abtin Tabaei, MD, FARS
9:30 am - 10:15 am Making CRS better with medical therapy just got easier <ul style="list-style-type: none">• Understand nuances of systemic antibiotic options for chronic rhinosinusitis (CRS)• Discern strategies for utilizing topical therapies for CRS• Develop understanding of novel biologic options for treatment of CRS	Charles Ebert, Jr., MD, FARS	Brian Lobo, MD Mark Mehle, MD Spencer Payne, MD, FARS Scott Stringer, MD, FARS Melinda Thacker, MD
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Social media in your practice: How to do it and why <ul style="list-style-type: none">• Recognize the impacts of social media in marketing your practice• Understand Search Engine Optimization• Learn how to start using social media in a hands-on approach	Greg Davis, MD, FARS	John Craig, MD, FARS Thomas Higgins, MD, FARS Sanjeet Rangarajan, MD Benjamin Senior
11:30 am - 12:15 pm Coding controversies: How should I code this? Will I get reimbursed? <ul style="list-style-type: none">• To discuss coding practices surrounding nasal valve remodeling• To determine coding guidance regarding cryoablation technology• To review proper coding of endoscopic sinus surgery and balloon dilation of the paranasal sinuses	R. Peter Manes, MD, FARS	Naveen Bhandarkar, MD, FARS Seth Brown, MD, FARS Parul Goyal, MD, FARS Michael Setzen, MD, FARS
12:15 pm Meeting Adjourns		

Register Online Now: <https://cvent.me/GVnAQ1>

ARS 9th Annual Summer Sinus Symposium

SUNDAY, JULY 26, 2020 Breakout C - POINCIANA 1-2

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00 am Breakfast with Exhibitors in Americana 4		
8:00 am - 8:45 am ICAR: Skull Base – what surgeons need to know <ul style="list-style-type: none">• Identify the role of endoscopic skull base surgery based on specific pathology• Understand specific challenges associated with skull base surgical technique• Evaluate the current literature and goals for future investigation	Nithin Adappa, MD, FARS	Dana Crosby, MD, FARS Jean Anderson Eloy, MD, FARS Zara Patel, MD, FARS Raj Sindwani, MD, FARS Bradford Woodworth, MD, FARS
8:45 am - 9:30 am To drill or not to drill the frontal – That is the question <ul style="list-style-type: none">• Describe medical and surgical strategies to care for frontal sinus disease• Give pros and cons of different frontal drill out techniques• Explain the use of mucosal flaps and there use to improve outcomes in frontal sinus drill out.	James Palmer, MD, FARS	Philip Chen, MD, FARS Elisa Illing, MD Edward McCoul, MD, FARS Kenneth Rodriguez, MD
9:30 am - 10:15 am Pituitary surgery: How invasive should we be <ul style="list-style-type: none">• Discuss the potential balance between QOL and exposure in pituitary surgery• Understand the cost/benefit ratio of vascular versus grafting techniques for reconstruction• Describe techniques to minimize sinonasal QOL and olfactory defects	Adam Zanation, MD	Anthony Del Signore, MD Jose Gurrola II, MD Andrea Hebert, MD Christine Klatt-Cromwell, MD Bobby Tajudeen, MD
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am The dripping nose: A discussion on the management of CSF rhinorrhea <ul style="list-style-type: none">• Understand the diagnostic workup of iatrogenic and spontaneous CSF rhinorrhea• Recognize the various surgical approaches involved in the repair of iatrogenic and spontaneous CSF rhinorrhea/fistulate• Discuss the adjuvant and long-term management of patients have undergone successful repair of iatrogenic and spontaneous CSF rhinorrhea/fistulae	Jean Anderson Eloy, MD, FARS	Stephanie Joe, MD, FARS Kent Lam, MD Kibwei McKinney, MD Priscilla Miranda, MD Ameet Singh, MD, FARS
11:30 am - 12:15 pm Skull base cases: Ask the Experts Case Presentations <ul style="list-style-type: none">• Understand novel surgical methods to treat skull base tumors• Develop techniques to better utilize computed tomography and magnetic resonance imaging to diagnosis skull base tumors• Identify new methods to reconstruct skull base defects based on tumor size and location	Jeffrey Suh, MD	Pete Batra, MD, FARS Roy Casiano, MD, FARS Adam Folbe, MD, FARS Zoukaa Sargi, MD, FARS Rodney Schlosser, MD, FARS
12:15 PM Meeting Adjourns		

ARS 9th Annual Summer Sinus Symposium

SUNDAY, JULY 26, 2020

Breakout D - Allergy Panels - AMERICANA 2

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00am Breakfast with Exhibitors in Americana 4		
8:00 am - 8:45 am Choosing antigens wisely <ul style="list-style-type: none">• Review the most common classes of aeroallergens• Understand the concept of allergen cross-reactivity• Discuss the benefits and downsides of single/few/multi-allergen testing and immunotherapy		Bradley Marple, MD, FARS Maria Veling, MD
8:45 am - 9:30 am Allergen immunotherapy: Translating testing into treatment <ul style="list-style-type: none">• Discuss vial preparation for subcutaneous immunotherapy• Discuss vial preparation for aqueous sublingual immunotherapy• Discuss tablet sublingual immunotherapy• Consider future options for immunotherapy administration		Joshua Levy, MD, FARS Michael Parker, MD Michael Platt, MD
9:30 am - 10:15 am Unified airway in the rhinology practice <ul style="list-style-type: none">• Define the unified airway concept• Discuss the unified airway as it relates to allergy and chronic rhinosinusitis• Provide case examples of unified airway pathology		Amber Luong, MD, PhD, FARS Matthew Ryan, MD
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Add-on therapy, monoclonal antibodies...it's all biologics these days! <ul style="list-style-type: none">• Review potential indications for biologic therapies in the allergy/rhinology practice• Discuss the practicalities of biologic administration• Utilize case examples to demonstrate patient selection for biologic therapies		Joseph Han, MD, FARS Bradley Marple, MD, FARS
11:30 am - 12:15 pm Case-based panel: From routine to emergencies Utilize a case-based approach to review the concepts of: <ul style="list-style-type: none">• Allergen immunotherapy• Unified airway• Emergencies in the allergy practice	Michael Platt, MD	Cecelia Damask, DO Stella Lee, MD Amber Luong, MD, PhD, FARS Michael Parker, MD
12:15 PM Meeting Adjourns		

ARS 9th Annual Summer Sinus Symposium

SUNDAY, JULY 26, 2020

Sala de Descanso E - Poinciana 3-4

BREAKOUT E (Spanish Session) - Poinciana 3-4 *Interpretation Services in this Room*

<u>Time/Topic</u>	<u>Moderator</u>	<u>Panelists</u>
7:00 am - 8:00am Breakfast with Exhibitors n Americana 4		
8:00 am - 8:45 am Management of CRS with Polyps Manejo de la Rinosinusitis Crónica con Pólipos Terapia Médica Máxima (discusión del manejo standart actual y pautas basadas en la evidencia) •Papel de las medicinas Biológicas (discusión de la evidencia actual y de las diferentes medicinas biológicas con su fisiopatología). •Papel de la Cirugía (Objetivos de la Cirugía y tipos de técnicas)	Cristine Klatt-Cromwell, MD USA	Juan Ignacio Gils, MD (Argentina) Jose Letort, MD (Ecuador) Andres Munyo, MD (Uruguay) Camilo Reyes, MD (USA)
8:45 am - 9:30 am Role of Extended Sinusotomies Indicaciones, técnicas , y perlas quirúrgicas para las Sinusotomías Extendidas •Maxilar Extendido (mega antrostomía, indicaciones y técnicas). •Esfenoides Extendido (indicaciones y técnicas). •Frontal Extendido (indicaciones y técnicas para realizar un Draf III tradicional de adentro hacia afuera)	Luis Fernando Macias, MD Mexico	Gustavo Amodovar-Mercado, MD (Puerto Rico) Juan Pablo Arias, MD (Ecuador) Alexandre Fellipu, Jr., MD (Brazil) Rodolfo Nazar, MD (Chile)
9:30 am - 10:15 am Conquering the Frontal Sinus Cirugía del Seno Frontal Indicaciones y perlas quirúrgicas para realizar un Draf III modificado (transeptal, abordaje externo u otras modificaciones). •Cirugía Multipuerto: Abordaje Transorbitario del seno frontal. •Cirugía Multipuerto: Abordaje externo transfrontal.	Ricardo Silva, MD Colombia	Leonardo Balsalobre, MD (Brazil) Gino Boero, MD (Peru) Claudio Callejas, MD (Chile) Carlos Rugieri, MD (Argentina)
10:15 am - 10:45 am Break with Exhibitors in Americana 4		
10:45 am - 11:30 am Skull Base Defect Repair Reparación de defectos de la Base del Cráneo • Los panelistas discutirán sus técnicas para reparar los diferentes defectos de la base de cráneo incluyendo perlas quirúrgicas para un resultado exitoso. • Detección de fístulas iatrogénicas incluyendo ubicaciones inusuales y las indicaciones de tratamiento médico post operatorio complementario. • Reparación de defectos pequeños Vs amplios: Como decides repararlos? • Injertos vs Flaps: Como lo decides?	C. Arturo Solares, MD USA	Alfredo Herrera, MD (Colombia) Miguel Moscowicz, MD (Argentina) Edgar Serrano, MD (Ecuador) Luisam Tarrats, MD (Puerto Rico)
11:30 am - 12:15 pm Avoiding Complications in ESS Evitando Complicaciones • Prevención y manejo de las complicaciones orbitarias • Prevención y manejo de las complicaciones intracraniales • Prevención y manejo de las hemorragias y complicaciones vasculares catastróficas.	Oswaldo Henriquez, MD USA	Daniel Cantero, MD (Chile) Javier Ospina, MD (Colombia) Luis Garza Talamas, MD (Mexico) Miguel Tepedino, MD (Brazil)
12:15 Meeting Adjourns		

Please join us for these Ancillary Non-CME Events

FRIDAY, JULY 24, 2020

12:15 pm – 1:10 pm

Acclarent, Inc. Lunch Symposium

Title: Advanced Use of Image-Guidance to Confirm Surgical Results Location: Poinciana 1-2

Description: Panel discussion with five surgeons focused on the transformation of ENT through the innovation of Navigation technology, facilitated by the presentation of actual NAV case studies.

This is a non-CME event sponsored by Acclarent, Inc. It is neither sponsored by nor endorsed by the ARS.

12:15 pm – 1:10 pm

Regeneron and Sanofi Genzyme Symposium

Title: Inflammation and Disease Pathophysiology of Chronic Rhinosinusitis with Nasal Polyps

Location: Cowrie 2

Description: In this presentation we will discuss the disease state of CRSwNP to educate attendees on the type 2 inflammatory pathway

This is a non-CME event sponsored by Regeneron and Sanofi Genzyme. It is neither sponsored by nor endorsed by the ARS.

SATURDAY, JULY 25, 2020

7:00 am – 7:50 am

Intersect ENT Breakfast Symposium

Title: Continuum of Care for Nasal Polyp Patients: A Panel Discussion

Location: Americana 3

This is a non-CME event sponsored by Intersect ENT. It is neither sponsored by nor endorsed by the ARS.

12:30 pm – 2:30 pm

Medtronic Dissection Lab

Title: Navigated Office Procedures Lab Location: Americana 1

Description: During this program, attendees will be educated on different procedures that Medtronic customers are performing in their office under local anesthesia and using navigation. The program will begin with a short discussion from their faculty presenter regarding office procedures they are currently performing. Following the discussion, attendees will move into the lab where they will have an opportunity work with Medtronic's suite of office-based products which include: Navigation, blades, balloon, and HydroCleanse.

Agenda: The session will begin with an introduction from the faculty speaker where they will discuss patient selection, anesthesia protocol and review cases they have performed in-office using Navigation. Following this discussion, lab participants will have the opportunity to work at their lab station for the remaining two hours of the program, walking through techniques that were discussed and interacting with the faculty and Medtronic personnel to answer questions.

Space is limited.

This is a non-CME event sponsored by Medtronic. It is neither sponsored by nor endorsed by the ARS.

12:30 pm - 1:30 pm

Regeneron and Sanofi Genzyme Symposium

Title: DUPIXENT

Location: Cowrie 2

Description: In this presentation we will discuss DUPIXENT and how it assists the management of CRSwNP

This is a non-CME event sponsored by Regeneron Sanofi Genzyme. It is neither sponsored by nor endorsed by the ARS.

1:00 pm – 3:00 pm

Stryker ENT – Hands-on Cadaveric Training

Location: Poinciana 3-4

Description: Join us for a hands-on cadaveric session to learn how Stryker ENT equipment is helping physicians expand treatment options for their patients and maximize positive clinical outcomes. Practice surgical techniques for treating sinus disease, Eustachian tube dysfunction, chronic rhinitis and nasal valve collapse. Attendees will interact with the Stryker ENT team and fellow physician experts to discuss key design and safety features of Stryker devices. Certification for Eustachian Tube Balloon Dilation will be provided along with detailed training on placement of the LATERA absorbable nasal implant. Space is limited

This is a non-CME event sponsored by Stryker ENT. It is neither sponsored by nor endorsed by, the ARS.

2:30 pm - 4:30 pm

Stryker ENT – Frontal Sinus Course

Location: Poinciana 1-2

Description: Join us at ARS as we go deep into the frontal sinus anatomy, exploring the "building blocks" methodology, International Frontal Sinus Anatomy Classification (IFAC) (IFAR 2016; XX:1-19) and its application through two practical educational opportunities:

1. Unlock the benefits of case planning using the building blocks software
2. Gain hands-on experience with Stryker ENT navigation powered by Scopis software with TGS

Agenda: Lecture and Demonstration: IFAC classification. Building Blocks® methodology and interactive case planning, followed by lab.

Space is limited.

This is a non-CME event sponsored by Stryker. It is neither sponsored by nor endorsed by the ARS.

3:30 pm – 6:30 pm

Medtronic International Dissection Lab

Title: International Sinus Surgery Lab

Location: Americana 1

Description: During this program international attendees will have the opportunity to work with Medtronic's product portfolio during a cadaver lab/didactic session. Each station will have Medtronic Navigation, Power and disposable products (blades, burrs, balloons) for participants to demo. They will discuss each product and provide best practices throughout the lab portion of the program.

Agenda: The program will start with a basic introduction to Medtronic's Navigation system and their portfolio of ENT products. Following the overall product introduction, each participant will move to their lab stations for the remaining two hours of the program. At their station, they will have the opportunity to use and demo all of the products present.

Speaker: Roy Casiano, MD

Space is limited.

This is a non-CME event sponsored by Medtronic. It is neither sponsored by nor endorsed by the ARS.

3:30pm-6:30pm

Laboratorio Internacional de disección de Medtronic

Ubicación: Americana 1

Título: Laboratorio Internacional de Cirugía Sinusal

Descripción: Durante este programa, los asistentes internacionales tendrán la oportunidad de trabajar con la cartera de productos de Medtronic en una sesión didáctica en un laboratorio de cadáveres. Cada estación tendrá navegadores de Medtronic, microdebridadores y productos desechables (cuchillas, fresas, balones) para que los participantes tengan la oportunidad de probarlos. Se discutirá cada producto y la mejor forma de utilizarlo en la parte de laboratorio del programa.

Agenda: el programa comenzará con una introducción básica al sistema de navegación de Medtronic y su cartera de productos en Otorrinolaringología. Después de la introducción general del producto, cada participante se trasladará a sus estaciones de laboratorio durante las dos horas restantes del programa. En su estación, tendrán la oportunidad de probar todos los productos presentes.

Ponente: Roy Casiano, MD

Los cupos son limitados.

Este es un evento no CME, patrocinado por Medtronic. No está patrocinado ni respaldado por el ARS.

SUNDAY, JULY 26, 2020

7:00 am – 7:50 am

OptiNose Breakfast Symposium

Title: XHANCE: A Different Approach to Treatment for Nasal Polyp Disease

Location: Americana 3

Description: Use a case based approach to understand the efficacy and safety of XHANCE in the treatment of nasal polyps.

Agenda: Understand the role inflammation high and deep

Examine disease burden of CRS with nasal polyps

Learn key features of Optinose Exhalation Delivery System (EDS)

Speaker: Douglas Reh, MD, FARS

This is a non-CME event sponsored by OptiNose. It is neither sponsored by nor endorsed by the ARS.



**ARS Signature
Cocktail Reception**

Americana Lawn
Loews Miami Beach Hotel
1601 Collins Ave, Miami Beach, FL 33139

Friday, July 24, 2020

7:00 - 9:00 pm

Registration Categories

EARLY (ON OR BEFORE JUNE 24, 2020)

- ARS Member \$250
- Nonmember: \$500
- Resident/Fellow in Training/Medical Student: FREE
- Faculty: \$150
- Exhibitors: \$275

LATE (AFTER JUNE 24, 2020)

- ARS Member/Fellow: \$450
- Nonmember: \$600
- Resident/Fellow in Training/Medical Student: FREE
- Faculty: \$350
- Exhibitors: \$475

*For new members, registration must be done at least two weeks before the meeting to allow for verification of new membership. If online registration is not done, the Nonmember fee will be charged. Visit <http://www.american-rhinologic.org/membership> to complete the application today.

REGISTRATION HOURS

Thursday, July 23: 4:00 pm - 7:00 pm
Friday, July 24: 7:00 am - 5:00 pm
Saturday, July 25: 7:00 am - 5:00 pm
Sunday, July 26: 7:00 am - 2:00 pm

Registration Substitution & Cancellation Policies

SUBSTITUTIONS: Substitution of one individual for another is not allowed.

MEETING CANCELLATION: Requests for refunds must be made in writing. There is a \$50 handling fee for ALL returned checks. There is a 10% cancellation fee for refunds made prior to May 24, 2020. For cancellations received May 24-June 23, there will be a 50% cancellation fee. There will be no refunds for cancellations received after May 24, 2020.

Maintenance of Certification (MOC)

The American Board of Otolaryngology actively sponsors and manages the Maintenance of Certification program, details of which can be found at www.aboto.org. As a service to both the American Rhinologic Society and the Otolaryngology community at large, the *ARS 2020 Summer Sinus Symposium* will offer education regarding the MOC process, and much of the course content will be relevant to rhinologic components of the MOC examinations.

Accreditation Statement

The American Rhinologic Society (ARS) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement

ARS designates this live activity for a maximum of 15.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Optional Events

Sponsored breakfast and lunch are included with registration. To help us ensure accurate food and beverage counts, *you will be asked which events you plan to attend.*

Signature Cocktail Reception

Included with registration.

Friday, July 24, 2020 from 7:00 - 9:00 pm
American Lawn

Guest tickets are \$150 per ticket.

EXHIBIT HALL HOURS

Friday, July 24, 2020: 7:30 am - 4:00 pm
Saturday, July 25, 2020: 7:15 am - 1:30 pm
Sunday, July 26, 2020: 7:00 am - 10:30 am

NOTE: Registration will be located at the Loews Miami Beach Hotel in the Americana Foyer on the 2nd level. Badges must be worn to enter meeting rooms and exhibit hall. *Children under the age of 16 are not permitted in the exhibit hall.* Lunch and coffee breaks will be served in the Exhibit Hall on Friday and Saturday. We encourage networking with our valuable exhibitors to learn about new technologies in our field.

Housing Information

We have secured excellent discounted rates at the Loews Miami Beach Hotel for participants attending the meeting. To obtain the necessary amount of meeting and exhibit space at the Loews Miami Beach Hotel, the ARS must commit to using a minimum number of guest rooms. If that commitment is not met, the ARS will incur significant financial penalties and it will cause a major impact on the future programs that ARS is able to offer. By booking your room at the Loews Miami Beach Hotel you will help ARS meet their hotel obligation. We thank you in advance for your assistance.

Loews Miami Beach Hotel

1601 Collins Ave, Miami Beach, FL 33139

Room Rate: \$219 Single/\$219 Double, per night, plus taxes

Reservations Deadline: July 2, 2020 or when room block sells out, whichever comes first. If phoning for reservations, call 888-879-0462 and reference Summer Sinus Symposium 2020.

Reserve housing at: https://www.loewshotels.com/miami-beach/american-rhinologic-society?_=1581016653695

Registration Questions

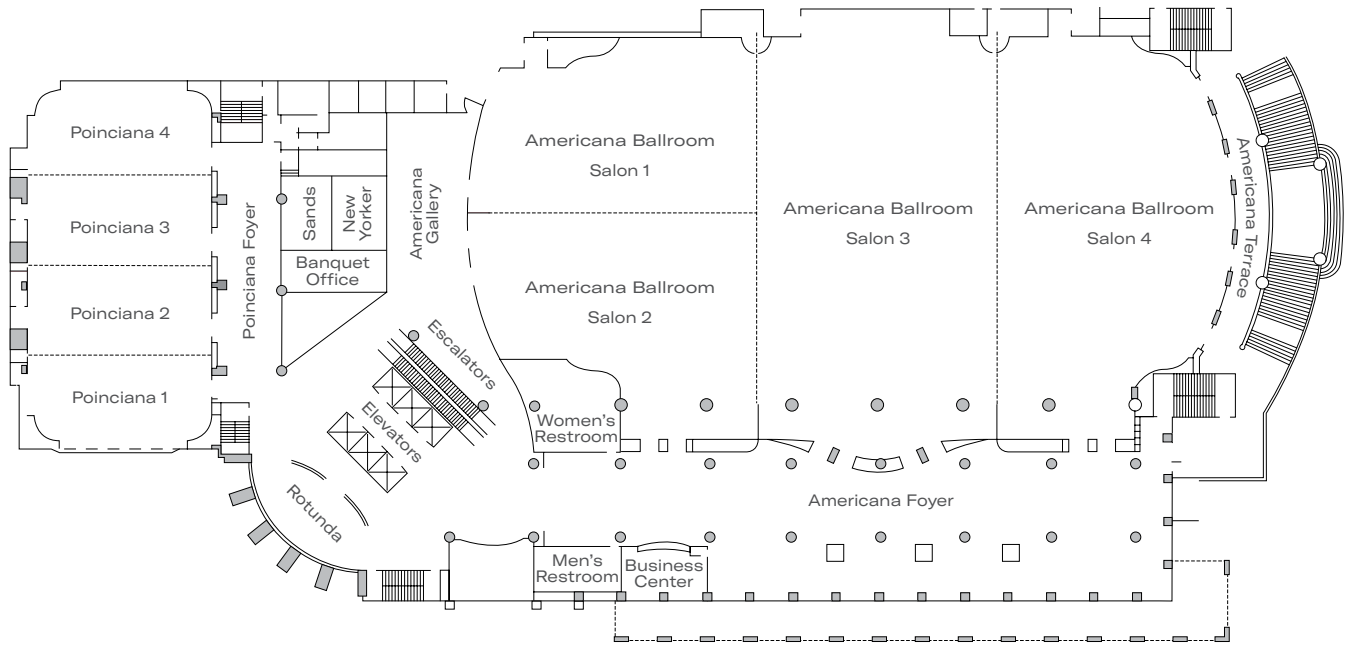
Phone: 973-545-2735

Email: wendi@american-rhinologic.org or tammy@american-rhinologic.org. Confirmations will be sent within 10 working days. *Individuals who require special assistance* should contact Wendi Perez at wendi@american-rhinologic.org or 973-545-2735.

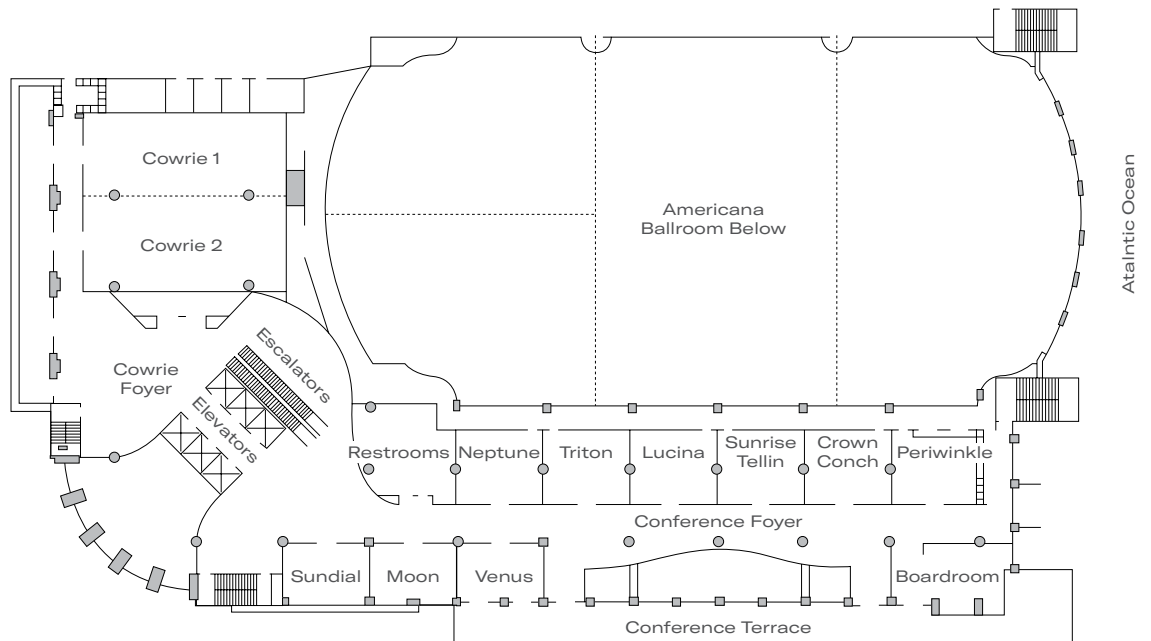
Meeting Registration:

Register online now: <https://cvent.me/GVnAQ1>

Second Level



Third Level





What to see in Miami...

With nicknames like “America’s Riviera” and the “Art Deco Playground,” it’s no wonder so many people flock to South Beach in Miami. Travelers see South Beach not only as one of the best vacation areas in Florida, but as one of the best in the country. The options are limitless: you can spend the whole day shopping at boutiques, getting pampered at an opulent spa or just strolling along Ocean Drive. Families can take the kids over to see the animals at Jungle Island or to play at the Miami Children’s Museum for some educational fun. During your stay you may also want to visit Vizcaya Museum and Gardens, Bayside Marketplace and the Miami Seaquarium, South Pointe Pier, and of course, the the beach itself.

For further details on what to see, visit <https://www.miamiandbeaches.com/plan-your-trip>

DISCOUNT
FOR EARLY
REGISTRATION!

COSM 2020 | April 23-24, 2020 Hilton Atlanta Hotel, Atlanta, GA

- Cutting edge research on sinus disease, olfaction, allergy and more!
- Interactive panel discussions highlighting the challenges in rhinology
- Women in Rhinology Breakfast Session, "Leadership in Medicine: Forging Your Path" Guest Speaker, Patrice Harris, MD, MA, 174th President of the American Medical Association, Round Table Discussion: Sarah Wise, MD, 2nd Vice President of the ARS and Christine Franzese, MD, Immediate Past President of the AAOA

9TH Annual

SUMMER SINUS SYMPOSIUM

American Rhinologic Society



SSS On The Beach

July 24-26, 2020

Loews Miami Beach Hotel, FL

Registration and Housing is now open!

Registration: <https://cvent.me/GVnAQ1>

Housing: https://www.loewshotels.com/miami-beach/american-rhinologic-society?_id=1581016653695

Meeting Highlights:

- Cadaveric Dissection Labs
- Allergy and Immunology Panels
- Pediatric Sinusitis
- Coding Controversies
- ICAR Skull Base & Ask The Experts
- Spanish Sessions
- Translators
- Signature Event

Registration and Housing
Open 4/1/20

ARS 66th Annual Meeting September 11-12, 2020 Renaissance Boston Waterfront Hotel | Boston, MA

Abstract Submission Opened: 1/24/20
Abstract Submission Deadline: 3/27/20*
Manuscript Submission Deadline: 8/14/20*
*Dates are subject to change.

ARS/AAO-HNS Panel: Leadership in Rhinology: Patient Care, Research, and Education
Date/Time: TBD

Moderator: Abtin Tabaei, MD
Session Moderators: Jeremiah Alt, MD,
Edward McCoul, MD, Kristine Smith, MD, Charles Alex Riley, MD
Panelists: Alexander Chiu, MD, Stacey Gray, MD, Sarah Wise, MD
Pete Batra, MD

Contact: Wendi Perez, ARS Executive Administrator
Tel: 973-545-2735 (Option #6) Email: wendi@american-rhinologic.org

american-rhinologic.org

Twitter: @amrhinosociety | Facebook: @americanrhinologicsociety | Instagram: amrhinosociety



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