<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 a.m.</td>
<td>Registration and General Session: Ballrooms: Coral I &amp; II</td>
</tr>
<tr>
<td></td>
<td>Breakfast and Exhibits: Sea Pearl 2 - 4</td>
</tr>
<tr>
<td>7:30 a.m.</td>
<td>Welcome and Introductions</td>
</tr>
<tr>
<td></td>
<td>Devyani Lal, M.D.</td>
</tr>
<tr>
<td>7:45 a.m.</td>
<td>Pretest</td>
</tr>
<tr>
<td></td>
<td>Erin K. O’Brien, M.D.</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Problematic Rhinosinusitis Subtypes</td>
</tr>
<tr>
<td></td>
<td>Valerie J. Lund, CBE MBBS, MS, FRCS, FRCSEd DMHon FACSHon</td>
</tr>
<tr>
<td>8:30 a.m.</td>
<td>How to Subtype Chronic Rhinosinusitis</td>
</tr>
<tr>
<td></td>
<td>Amar Miglani, M.D.</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Fungal Sinusitis: Types and Management</td>
</tr>
<tr>
<td></td>
<td>Osarenoma (Noma) U. Olomu, M.D.</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>Q &amp; A / Case Based Discussion: What to Do, When to Do: Testing, Histopathology (Two Cases)</td>
</tr>
<tr>
<td></td>
<td>Moderators: Michael J. Marino, M.D. and Amar Miglani, M.D.</td>
</tr>
<tr>
<td></td>
<td>Panelists: Claire Hopkins, BMBCH, FRCS(ORLHSNS); Devyani Lal, M.D.; Valerie J. Lund CBE MBBS, MS, FRCS, FRCSEd DMHon FACSHon; Erin K. O’Brien, M.D.; Osarenoma (Noma) U. Olomu, M.D.; and Zara M. Patel, M.D.</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Refreshment Break and Exhibits</td>
</tr>
<tr>
<td>10:30 a.m.</td>
<td>Advances in Topical Therapy: Irrigators, Devices and Stents</td>
</tr>
<tr>
<td></td>
<td>Garret W. Choby, M.D.</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Biologics: Which, When to Start and How to Stop</td>
</tr>
<tr>
<td></td>
<td>Matthew A. Rank, M.D.</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Optimizing Outcomes from Surgery for Chronic Rhinosinusitis</td>
</tr>
<tr>
<td></td>
<td>Devyani Lal, M.D.</td>
</tr>
</tbody>
</table>
12:00 p.m.  Therapy for Chronic Rhinosinusitis: A Summary
Claire Hopkins, BMBCH, FRCS(ORLHNS)

12:30 p.m.  Q & A / Case Based Discussion:
Recurrent Polyps, Persistent Crusting

Moderator:
Angela M. Donaldson, M.D.

Panelists:
Garret W. Choby, M.D.; Claire Hopkins, BMBCH, FRCS(ORLHNS);
Devyni Lal, M.D.; Valerie J. Lund, CBE MBBS, MS, FRCS, FRCS Ed
DMHon FACSHon; Osarenoma (Noma) U. Olomu, M.D.;
Zara M. Patel, M.D.; and Matthew A. Rank, M.D.

1:00 – 2:00 p.m.  Meet and Greet Reception
Sea Pearl 2 - 4
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 a.m.</td>
<td>Breakfast and Exhibits</td>
</tr>
<tr>
<td>7:20 a.m.</td>
<td>Announcements</td>
</tr>
<tr>
<td><strong>POTPOURRI: SURGICAL “CURES”</strong></td>
<td></td>
</tr>
<tr>
<td>7:30 a.m.</td>
<td>Surgery for Rhinitis and Postnasal Drainage</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Frontal Sinus Surgery: Fundamental Pearls for Success</td>
</tr>
<tr>
<td>8:30 a.m.</td>
<td>Choosing the Extent of Frontal Surgery / Balloons</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Office Based Procedures and Debridement</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>Q &amp; A / Case Based Discussion: Extent of Surgery, Debridement</td>
</tr>
<tr>
<td>Moderator:</td>
<td>Garret W. Choby, M.D.</td>
</tr>
<tr>
<td>Panelists:</td>
<td>Claire Hopkins, BMBCH, FRCS(ORLHNS); Devyani Lal, M.D.;</td>
</tr>
<tr>
<td></td>
<td>Valerie J. Lund, CBE MBBS, MS, FRCS, FRCSEd DMHon FACSHon;</td>
</tr>
<tr>
<td></td>
<td>Michael J. Marino, M.D.; Amar Miglani, M.D.; Zara M. Patel, M.D.; and</td>
</tr>
<tr>
<td></td>
<td>Janalee K. Stokken, M.D.</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Refreshment Break and Exhibits</td>
</tr>
<tr>
<td>10:30 a.m.</td>
<td>Q &amp; A / Case Based Discussion: Debridement Tips from Experts</td>
</tr>
<tr>
<td>Moderator:</td>
<td>Devyani Lal, M.D.</td>
</tr>
<tr>
<td>Panelists:</td>
<td>Angela M. Donaldson, M.D.; Amar Miglani, M.D.; and Erin K. O’Brien, M.D.</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>Hereditary Hemorrhagic Telangiectasia</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Surgical Management of Epistaxis</td>
</tr>
</tbody>
</table>
12:00 p.m.  Not Always a Polyp!  Management of the Unilateral Nasal Mass
Janalee K. Stokken, M.D.

12:30 p.m.  Q & A / Case Based Discussion:
Hereditary Hemorrhagic Telangiectasia, Inverted Papilloma

Moderator:
Erin K. O’Brien, M.D.

Panelists:
Angela M. Donaldson, M.D.; Devyani Lal, M.D.;
Valerie J. Lund, CBE MBBS, MS, FRCS, FRCSEd DMHon FACSHon;
Michael J. Marino, M.D.; and Zara M. Patel, M.D.

1:00 p.m.  Adjourn
Friday, August 19, 2022

6:30 a.m.  Breakfast and Exhibits

7:20 a.m.  Announcements

**POTPOURRI: SAFE SURGERY, SMELL AND UNIFIED AIRWAY**

7:30 a.m.  Peri-operative Optimization
Erin K. O’Brien, M.D.

8:00 a.m.  Avoiding Complications During Sinus Surgery
Devyani Lal, M.D.

8:30 a.m.  Repair of CSF Leak and Skull Base Defects
Zara M. Patel, M.D.

9:00 a.m.  Q & A / Case Based Discussion:
Orbital Hematoma, Post-op CSF Leak
Moderators:
Michael J. Marino, M.D. and Garret W. Choby, M.D.
Panelists:
Angela M. Donaldson, M.D.;
Devyani Lal, M.D.; and
Zara M. Patel, M.D.

9:30 a.m.  Refreshment Break and Exhibits

10:00 a.m.  Critical Concepts in Unified Airways Pathophysiology and Management
Tanya M. Laidlaw, M.D.

10:30 a.m.  Problematic Cough Management
Angela M. Donaldson, M.D.

11:00 a.m.  Smell: The Cinderella of Senses
Valerie J. Lund, CBE MBBS, MS, FRCS, FRCSEd DMHon FACSHon

11:30 a.m.  COVID and Smell Loss
Claire Hopkins, BMBCH, FRCS(ORLHNS)
12:00 p.m.  Q & A / Case Based Discussion:
The Unified Airway CRS with Asthma; CRS with Bronchitis-Bronchiectasis

Moderators:
Erin K. O’Brien, M.D. and Matthew A. Rank, M.D.

Panelists:
Angela M. Donaldson, M.D.; Claire Hopkins, BMBCH, FRCS(ORLHNS);
Tanya M. Laidlaw, M.D.; Valerie J. Lund, CBE MBBS, MS, FRCS, FRCSEd
DMHon FACSHon; and Zara M. Patel, M.D.

12:30 p.m.  Adjourn
Saturday, August 20, 2022

6:30 a.m.  Breakfast and Exhibits

7:20 a.m.  Announcements

POTPOURRI: DEBATES, CONSENSUS, SEPTAL SURGERY

7:30 a.m.  Optimizing Outcomes with Aspirin Exacerbated Respiratory Disease
            Tanya M. Laidlaw, M.D.

8:00 a.m.  Debate #1: Empty Nose Syndrome is a Real Problem
            Moderator:
            Valerie J. Lund, CBE MBBS, MS, FRCS, FRCS Ed DMHon FACS Hon
            Erin K. O’Brien, M.D. (For) vs.
            Claire Hopkins, BMBCH, FRCS(ORLHNS) (Against)

8:30 a.m.  Debate #2: Biologics First over Surgery
            Moderator:
            Valerie J. Lund, CBE MBBS, MS, FRCS, FRCS Ed DMHon FACS Hon
            Tanya M. Laidlaw, M.D. (For) vs. Matthew A. Rank, M.D. (Against)

9:00 a.m.  Debate #3: Postoperative CPAP, NSAIDS, Packing Do or Do Not Cause Problems
            Moderator:
            Valerie J. Lund, CBE MBBS, MS, FRCS, FRCS Ed DMHon FACS Hon
            Garret W. Choby M.D. (For) vs. Michael D. Olson, M.D. (Against)

9:30 a.m.  Q & A / Case Based Discussion:
            Failed Biologic Therapy
            Moderators:
            Michael J. Marino, M.D. and Janalee K. Stokken, M.D.

            Panelists:
            Claire Hopkins, BMBCH, FRCS(ORLHNS); Tanya M. Laidlaw, M.D.;
            Devyani Lal, M.D.; Valerie J. Lund, CBE MBBS, MS, FRCS, FRCS Ed
            DMHon FACS Hon; Erin K. O’Brien, M.D.; and Matthew A. Rank, M.D.

10:00 a.m.  Refreshment Break and Exhibits
Saturday, August 20, 2022 (continued)

10:30 a.m.  
**Septal Perforation Repair**  
Stephen F. Bansberg, M.D.

11:00 a.m.  
**Nasal Valve and Caudal Septum Surgery**  
Amar Miglani, M.D.

11:30 a.m.  
**Addressing the Collapsed Nose**  
Michael D. Olson, M.D.

12:00 p.m.  
**Q & A / Case Based Discussion:**  
“Failed” Nasal Surgery

**Moderator:**  
Michael D. Olson, M.D.

**Panelists:**  
Stephen F. Bansberg, M.D.; Amar Miglani, M.D.;  
Erin K. O’Brien, M.D.; and Zara M. Patel, M.D.

12:30 p.m.  
**Adjourn**
Sunday, August 21, 2022

6:30 a.m.  Breakfast and Exhibits

7:20 a.m.  Announcements

**POTPOURRI: RESEARCHING UNMET NEEDS**

7:30 a.m.  Establishing Databases and Biobanks  
Valerie J. Lund, CBE MBBS, MS, FRCS, FRCSEd DMHon FACSHon

8:00 a.m.  Learning from Pathophysiology and Smell Loss in Aspirin Exacerbated Respiratory Disease  
Tanya M. Laidlaw, M.D.

8:30 a.m.  Smell Restoration and Regeneration Research  
Zara M. Patel, M.D.

9:00 a.m.  Genetics and Epigenetics of Chronic Rhinosinusitis  
Devyni Lal, M.D.

9:30 a.m.  Refreshment Break and Exhibits

10:00 a.m.  Designing Trials, Sampling Techniques and Outcome Measures

**Panelists:**  
Angela M. Donaldson, M.D.  
Devyni Lal, M.D.  
Erin K. O’Brien, M.D.  
Matthew A. Rank, M.D.

10:30 a.m.  Advances in Cystic Fibrosis Research and Therapy  
Angela M. Donaldson, M.D.

11:00 a.m.  Novel Research Directions in Asthma  
Matthew A. Rank, M.D.

11:30 a.m.  Q & A for All Topics

**Moderators:**  Devyni Lal, M.D. and Erin K. O’Brien, M.D.

**Panelists:** All Faculty

12:00 p.m.  Post Test  
Angela M. Donaldson, M.D.

12:15 p.m.  Closing Comments and Adjourn  
Course Directors