This workshop will provide trainee surgeons, established robotic surgeons and leaders in the field an overview of the current status of robotics in head and neck surgery. The course will be populated with panel discussions and keynote lectures from an expert faculty. The emphasis will be on multi-disciplinary management while at the same time providing extensive tips on practical applications of the new and nascent technology. From the applications for robotics in diagnostics all the way through to advanced applications such as for recurrent cancers and reconstruction, and the use of robotics in neck surgery, all taught by world renowned experts in the field, this will be a one stop shop for surgeons who are embarking on robotic surgery in head and neck or who have a well-established practice.

Topics to include

- Lectures, debates, panel discussions
- Expert global faculty
- Covers all aspects of robotics in head and neck surgery, trials and recent advances
- Training issues in robotic surgery telementoring and telerobotics
- Industry updates on various robotic platforms

Venue

The Royal College of Physicians, 11 St Andrews Place, Regents Park, London NW1 4LE

Professor Vinidh Paleri – Course Chairman
Founder – British Association of Robotics in Head & Neck Surgery (BARHNS)

Professor Wojciech Golusinski
President - European Head & Neck Society (EHNS)

Mr Cyrus Kerawala
President – British Association of Head & Neck Oncology (BAHNO)
# Programme of Events

## Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speakers/Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 – 08:45</td>
<td>Registrations</td>
<td></td>
</tr>
<tr>
<td>08:45 – 09:00</td>
<td>Welcome and Introductions</td>
<td>Vinidh Paleri and Wojciech Golusinski</td>
</tr>
<tr>
<td><strong>Session 1: The unknown primary</strong></td>
<td></td>
<td>Chair Wojciech Golusinski</td>
</tr>
<tr>
<td>09:00 – 09:20</td>
<td>Keynote 1: The European Journey in head and neck robotics</td>
<td>Georges Lawson</td>
</tr>
<tr>
<td>09:20 – 09:35</td>
<td>Robotic Surgery for the Unknown Primary: indications, technique and pathologic assessment</td>
<td>Niclas Rubek</td>
</tr>
<tr>
<td>09:35 – 09:55</td>
<td>Keynote 2: Using the information gained from tongue base mucosectomy in decision making</td>
<td>René Leemans</td>
</tr>
<tr>
<td>09:55 – 10:55</td>
<td>Panel discussion: “Facing the MDT (music) after tongue base mucosectomy”</td>
<td>Stuart Winter, Sarah Stephen, Uma Duvvuri, Tom Vauterin, John Hardman, Shree Bhide</td>
</tr>
<tr>
<td>10:55 – 11:20</td>
<td>Coffee and networking</td>
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</tr>
<tr>
<td><strong>Session 2: Updates for conventional indications for transoral robotic surgery</strong></td>
<td></td>
<td>Chair Ricard Simo</td>
</tr>
<tr>
<td>11:20 – 11:35</td>
<td>Tonsil cancer: tackling the T3 and higher stage primary</td>
<td>Eric Moore</td>
</tr>
<tr>
<td>11:35 – 11:50</td>
<td>Tongue base: achieving negative margins after tongue base hemiglossectomy</td>
<td>John De Almeida</td>
</tr>
<tr>
<td>11:50 – 12:05</td>
<td>Supraglottis: “Relive TORS by Da Vinci Single Port for resection of supraglottic cancer</td>
<td>Giuseppe Spriano</td>
</tr>
<tr>
<td>12:05 – 13:05</td>
<td>Panel Discussion: “My patient doesn’t need adjuvant treatment”: Convince the oncologist</td>
<td>Scott Magnusson, Chris Nutting, Mererid Evans, Emma King, Philippe Gorphe</td>
</tr>
<tr>
<td>13:05 – 14:00</td>
<td>Lunch and networking</td>
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<tr>
<td><strong>Session 3: Emerging indications</strong></td>
<td></td>
<td>Chair: Eric Moore</td>
</tr>
<tr>
<td>14:00 – 14:20</td>
<td>Keynote 3: Real impact of robotic surgery: beyond finance and cosmesis</td>
<td>Yoon Woo Koh</td>
</tr>
<tr>
<td>14:20 – 14:40</td>
<td>TORS for parapharyngeal and retropharyngeal pathology</td>
<td>Scott Magnusson</td>
</tr>
<tr>
<td>14:40 – 15:00</td>
<td>TORS for hypopharyngeal cancers</td>
<td>Tom Vauterin</td>
</tr>
<tr>
<td>15:00 – 15:20</td>
<td>TORS for laryngeal framework surgery</td>
<td>Christian Simon</td>
</tr>
<tr>
<td>15:20 – 15:40</td>
<td>Coffee and networking</td>
<td></td>
</tr>
<tr>
<td><strong>Session 4: Updates from the industry</strong></td>
<td></td>
<td>Chair Chris Holsinger</td>
</tr>
<tr>
<td>15:40 – 15:55</td>
<td>da Vinci</td>
<td>Industry</td>
</tr>
<tr>
<td>15:55 – 16:10</td>
<td>Medrobotics</td>
<td>Industry</td>
</tr>
<tr>
<td>16:10 – 16:25</td>
<td>CMR / Transenterix</td>
<td>Industry</td>
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<tr>
<td>16:25 – 16:40</td>
<td>Verb</td>
<td>Industry</td>
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<tr>
<td>16:40 – 16:55</td>
<td>MMI SpA</td>
<td>Industry</td>
</tr>
<tr>
<td>16:55 – 17:40</td>
<td>Panel discussion: “Honey, I’ve used my robot to…” Non-conventional indications</td>
<td>Stephen Lang, James O’Hara, Asit Arora, Patrick Aidan, Chris Holsinger</td>
</tr>
<tr>
<td>17:40 – 18:00</td>
<td>Keynote 4: Endoscopic robotic like surgery</td>
<td>Giovanni Succo</td>
</tr>
<tr>
<td>18:00 – 18:20</td>
<td>Keynote 5: Harnessing robotics and AI in the future of surgery</td>
<td>Guang-Zhong Wang</td>
</tr>
</tbody>
</table>

**Close of day 1 and Dinner**
## Day 2

### Session 5: Training and standard setting:

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 – 08:15</td>
<td>View from the USA</td>
<td>Eric Moore</td>
</tr>
<tr>
<td>08:15 – 08:30</td>
<td>The continental experience</td>
<td>Sebastien van der Vorst</td>
</tr>
<tr>
<td>08:30 – 08:45</td>
<td>TORS in the UK</td>
<td>Costa Repanos</td>
</tr>
<tr>
<td>08:45 – 09:00</td>
<td>Lessons from a large volume specialty: Urology</td>
<td>Kamran Ahmed</td>
</tr>
<tr>
<td>09:00 – 09:15</td>
<td>Telementoring</td>
<td>Sanjay Purkayastha</td>
</tr>
<tr>
<td>09:15 – 10:00</td>
<td>Panel discussion: “Surely, all thumbs can be trained on the machine?” Setting international standards for training in TORS</td>
<td>Craig Murray, Kamran Ahmed, Wojciech Golusinski, Khalid Ghufoor, Sanjay Purkayastha, Enyi Ofo</td>
</tr>
</tbody>
</table>

| 10:00 – 10:20 | Coffee and networking                                                 |                                |

### Session 6: Trials update and a glimpse into the future of robotics:

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:20 – 10:40</td>
<td>Keynote 6: Clinical trials that explore the potential for altering the landscape of treatment for oropharyngeal cancer</td>
<td>Uma Duvvuri</td>
</tr>
<tr>
<td>10:40 – 10:55</td>
<td>PATHOS, ECOG 3311, Best Of and Orator update</td>
<td>Emma King</td>
</tr>
<tr>
<td>10:55 – 11:10</td>
<td>Hyperspectral imaging</td>
<td>Chris Holsinger</td>
</tr>
<tr>
<td>11:10 – 11:25</td>
<td>Telerobotics and semiautomated robots in medicine</td>
<td>Ryan Orosco</td>
</tr>
<tr>
<td>11:25 – 11:40</td>
<td>i-Knife and robotic surgery</td>
<td>Jim Higginson</td>
</tr>
<tr>
<td>11:40 – 12:40</td>
<td>Panel discussion: “No pain, but all the gain”: Analgesia, nursing and swallow rehabilitation after TORS</td>
<td>Grainne Brady, Zaid Awad, Matt Brown, Naseem Ghazali, Laura Gradwell-Nelson, Christian Simon</td>
</tr>
</tbody>
</table>

| 12:40 – 13:40 | Lunch and networking                                                   |                                |

### Session 7: Head to head

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:20 – 15:00</td>
<td>Surgeons corner: Trans-oral Endoscopic Thyroidectomy vs Retroauricular Robotic thyroidectomy</td>
<td>Patrick Aidan, Angkoon Anuwong</td>
</tr>
</tbody>
</table>

| 15:00 – 15:20 | Coffee and networking                                                 |                                |

### Session 8: Advanced applications

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:20 – 15:40</td>
<td>Transoral anatomy for multisite resections</td>
<td>Ajith George</td>
</tr>
<tr>
<td>15:40 – 15:55</td>
<td>TORS for recurrences</td>
<td>Vinidh Paleri</td>
</tr>
<tr>
<td>15:55 – 16:10</td>
<td>TORS reconstructive surgery</td>
<td>Philippe Gorphe</td>
</tr>
</tbody>
</table>

### Session 9: The robot and the neck

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:10 – 16:30</td>
<td>Retroauricular approach to neck dissection</td>
<td>Luiz Kowalski</td>
</tr>
<tr>
<td>16:30 – 16:50</td>
<td>Robotic assisted Parathyroidectomy</td>
<td>Neil Tolley</td>
</tr>
<tr>
<td>16:50 – 17:00</td>
<td>Oncological safety of Robotic Neck Dissections in cN0 and cN+ Oral Cavity carcinoma</td>
<td>Yoon Woo Koh</td>
</tr>
<tr>
<td>17:00 – 18:00</td>
<td>Panel discussion: “Please don’t scar me for life, doctor!” Candidate selection for approaches to the neck and thyroid</td>
<td>Patrick Aidan, Neil Tolley, Angkoon Anuwong, Uma Duvvuri, Dae Kim, Yoon Woo Koh</td>
</tr>
<tr>
<td>18:00 – 18:05</td>
<td>Final comments and close</td>
<td></td>
</tr>
</tbody>
</table>

**Close of day 2**
Faculty

Professor Vinidh Paleri
Course Chairman, Founder – British Association of Robotics in Head and Neck Surgery (BARHNS) Consultant Head and Neck Surgeon, Royal Marsden NHS Foundation Trust, UK

Professor Wojciech Golusinski
President – European Head and Neck Society (EHNS) Chairman of the Department of Head and Neck Services Poznan University of Medical Sciences at the Greater Poland Cancer Centre, Poland

Professor Hisham Mehanna
Professor of Head and Neck Surgery, Director of Institute of Head and Neck Studies and Education, Institute of Cancer and Genomic Sciences, College of Medical and Dental Sciences, University of Birmingham, UK

Professor Georges Lawson
ENT Head & Neck Cancer and Thyroid Surgeon: Specialist in Voice & Swallowing Disorder, Université Catholique de Louvain, Belgium

Mr. Niclas Rubek
Consultant Head & Neck Surgeon, Rigshospitalet Copenhagen University Hospital, Denmark

Professor C. Rene Leemans
Professor C. Rene Leemans, Chair of the Department of Otolaryngology Head and Neck Surgery, VU University Medical Center, Amsterdam, Netherlands

Professor Vincent Vander Poorten
Head and Neck Surgeon, Head of Head and Neck Oncology, Universitair Ziekenhuis Leuven, Belgium

Mr. Stuart Winter
Consultant Ear, Nose & Throat (ENT) Surgeon, Oxford University NHS Foundation Trust, UK

Professor Giuseppe Spriano
Director of Otolaryngology Clinic, Humanitas University Milan, Italy

Mr. Jean-Pierre Jeannin
Consultant Ear, Nose and Throat (ENT) Head and Neck Surgeon, Guy’s and St Thomas’ NHS Foundation Trust, UK

Professor Christian Simon
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Mr. Scott Magnuson
Otolaryngology and Head and Neck Surgeon, AdventHealth Celebration Health, University of Alabama at Birmingham, USA

Professor Chris Holsinger
Head and Neck Surgeon, Thyroid and Parathyroid Surgeon, Head and Neck Surgical Oncologist
Professor of Otolaryngology – Head and Neck Surgery, Stanford University Medical Center, USA

Mr. Khalid Ghufuro
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Professor Giovanni Succo
Chief of Head and Neck Service, University Department of Oncology, Candiolo Cancer Institut, University of Turin, Italy

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Dr. Philippe Gorbe
Department of Head and Neck Oncology, Institut de Cancérologie Gustave Roussy, France
The 3rd European Head and Neck Society workshop on Robotic Surgery in Head and Neck

Thursday 21 – Friday 22 November 2019

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