DEPARTMENT OF SURGERY,
UNIVERSITY OF OTTAWA

2016 / 17 ANNUAL REPORT
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MESSAGE FROM THE CHAIR

It is a privilege and honour to submit this brief message as a foreword to the 2016/17 Annual Report of the Department of Surgery. As I progress through my final (5th) year of my mandate as department chair, I have had the marvelous opportunity to review our collective progress as a department. In fact, this was highlighted in my annual address from the chair on September 27, using the title “Reflections at 5 years: The road traveled and the view ahead”. As is customary for all of us at this point in our mandate, there will be a formal external review of the department in November 2017, which will hopefully inform us regarding the priorities and the plan for the next five years.

This recent period of introspection offered the opportunity to highlight and showcase many exciting developments across the department, including in undergraduate and postgraduate education, a major reorganization of research in surgery, and progress in many of the domains constituting surgical quality. It was particularly striking to note that in spite of the numerous significant challenges we have faced together over the past five years (including the hospital cutting over $100M from its budget over that time), surgeons have remained wonderfully engaged and pushed ahead regardless.

As I look ahead and consider some of the challenges on the immediate horizon, I would propose the following three areas in which we will undergo truly transformative change:

1. Implementation of Competency-based Medical Education in our surgical training programs
2. Implementation of the new Health Information System (EPIC)
3. The development of regionally integrated programs of surgical care

It will require continued strong engagement, and teamwork, from our faculty and residents to achieve success in these critical areas.

The current 2016/17 annual departmental report features some noticeable changes in the format and layout, along with an inclusive approach to feature reports from our close partner institutions. I sincerely hope you enjoy this new presentation, and I gratefully acknowledge the work of Jennifer Artz and colleagues in the administrative group in facilitating the new look.

As we near the end of 2017, it seems fair to acknowledge that our organization is facing some of the steepest challenges in its history. However, I remain confident that the outstanding faculty and staff in the Department of Surgery will not only meet but surmount these challenges in their unswerving pursuit of excellence in quality surgical care, education and research. I extend my sincere best wishes to all of you for a successful and productive year ahead in 2017/18.

Sudhir Sundaresan, MD FRCS(C) FACS
Chair, Department of Surgery, University of Ottawa
OVERVIEW OF THE DEPARTMENT OF SURGERY

Vision

• To provide each surgical patient with the world-class care, exceptional service and compassion that we would want for our loved ones

Goal

• To become a top 10% performer in quality, safety and patient experience in North America

Organizational Representation of the University of Ottawa, Department of Surgery

Faculty of Medicine, University of Ottawa

University of Ottawa Department of Surgery
(8 Academic Divisions & Office of Education)

TOH/Heart Institute Surgery Divisions
(n = 9)

Eric C. Poulin Office of Education

CHEO Clinical Divisions
(n = 6)

OHRI (Surgeon) Scientists & Investigators

Heart Institute RI (Surgeon) Scientists & Investigators

CHEO RI (Surgeon) Scientists & Investigators

Other Academic Departments for Clinical Specialties (n = 11)

Academic Departments for Basic ([Bio]Medical) Sciences (n = 4)
Overview of Faculty Members

192 Total number of surgeons within the Department of Surgery

150 Full Time Academic (TOH, uOHI and CHEO)

Distribution of UOttawa Surgeon Faculty Members

- TOH/uOHI
- CHEO
- Other

Academic Ranks in the DoS

- Full Professor: 8%
- Associate Professor: 24%
- Assistant Professor: 43%
- Lecturer: 25%
Research Overview

A deliberate effort has been made to expand virtually all forms of support (financial, methodological, education, mentorship) for surgeons pursuing research. A fundamental change has been the establishment of a series of program funding awards across the department, aimed at creating enduring programs of research that will attract their own funding in the future. Seed funding for a small number of specific projects still continues, although to a lesser extent.

A major breakthrough was the creation of an MOU among the Department of Surgery, Faculty of Medicine and University of Ottawa. Under the terms of this agreement, the Department of Surgery will flow $800,000 annually to the Faculty of Medicine, and have this topped up by 25% ($100,000 contribution from the Faculty and $100,000 from the University). This leveraging arrangement will generate new funds for many of the new initiatives described under the Research Pillar.

The Department of Surgery also participated in a very significant program initiated by the Faculty of Medicine, in which a number of PhD researchers were recruited to basic science departments but with strong alignment with the activities of clinical departments.

Academic progress, as judged by grant holdings, has been relatively stable over the past three years, while the number of publications per faculty member has increased.

### Peer-reviewed Publications

<table>
<thead>
<tr>
<th>Year</th>
<th>Surgeon</th>
<th>Percent of Surgeon</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>111</td>
<td>0.76</td>
</tr>
<tr>
<td>2014</td>
<td>143</td>
<td>0.91</td>
</tr>
<tr>
<td>2015</td>
<td>165</td>
<td>0.99</td>
</tr>
<tr>
<td>2016</td>
<td>210</td>
<td>1.17</td>
</tr>
</tbody>
</table>

### Research Funding

<table>
<thead>
<tr>
<th>Source</th>
<th>2013/14</th>
<th>2014/15</th>
<th>2015/16</th>
<th>2016/17</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOH AND HI</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPERATING GRANT</td>
<td>$1,740,825</td>
<td>$2,115,064</td>
<td>$2,560,080</td>
<td>$2,634,117</td>
</tr>
<tr>
<td>CIHR OPERATING GRANT</td>
<td>$1,205,113</td>
<td>$4,487,459</td>
<td>$4,531,422</td>
<td>$4,105,615</td>
</tr>
<tr>
<td>CIHR GRANT</td>
<td>$412,537</td>
<td>$504,272</td>
<td>$828,553</td>
<td>$721,474</td>
</tr>
<tr>
<td>OTHER FUNDING</td>
<td>$2,743,347</td>
<td>$102,900</td>
<td>$87,375</td>
<td>$70,708</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$6,101,822</td>
<td>$7,209,694</td>
<td>$8,007,430</td>
<td>$7,531,914</td>
</tr>
<tr>
<td><strong>CHEO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPERATING</td>
<td>$162,293</td>
<td>$153,636</td>
<td>$290,362</td>
<td>$239,684</td>
</tr>
<tr>
<td>SALARY SUPPORT</td>
<td>$195,304</td>
<td>$-</td>
<td>$40,000</td>
<td>$45,980</td>
</tr>
<tr>
<td>OTHER</td>
<td>$762,500</td>
<td>$765,000</td>
<td>$312,500</td>
<td>$-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$1,120,097</td>
<td>$918,636</td>
<td>$642,862</td>
<td>$285,664</td>
</tr>
</tbody>
</table>
Our department is committed to quality and patient safety. This year, our main aim has been to create sustainable infrastructure in the department to support ongoing quality initiatives. As a result, there are now designated quality leads in each division.

<table>
<thead>
<tr>
<th>Surgery Quality Leads</th>
<th>Divisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Lara Williams</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Dr. John Sinclair</td>
<td>Neurosurgery</td>
</tr>
<tr>
<td>Dr. Kathleen Gartke</td>
<td>Orthopaedic Surgery</td>
</tr>
<tr>
<td>Dr. Murray Allen</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>Dr. Sebastien Gilbert</td>
<td>Thoracic Surgery</td>
</tr>
<tr>
<td>Dr. Neal Rowe</td>
<td>Urology</td>
</tr>
<tr>
<td>Dr. Dalibor Kubelik</td>
<td>Vascular Surgery</td>
</tr>
</tbody>
</table>

Dr. Gartke also serves as the Surgical Quality Officer and plays a major role in leading initiatives within the Department. Dr. David Schramm (a long-time QI advocate) is the NSQIP Surgeon Champion and plays a major role, gathering and presenting data in a format readily used by the teams working on interventions.

Each division is committed to a mandate that aligns with the hospital's vision around quality. The deliverables for each division are the following:

- A multidisciplinary team (i.e., CUSP team) that meets on a regular basis with the aim of reviewing any quality or patient safety issues and creating plans to address these
- Regular morbidity and mortality rounds following a standardized format with action items that are fed back to division members
- Review of events from the patient safety learning system (PSLS) and ensuring that these events are reviewed and if required create action items to resolve issues identified
- A minimum of one patient experience initiative

With a collaborative, multidisciplinary approach we continue to make strides in a variety of domains. One of the main issues in the department has been SSI reduction and although we...
are not where we would like to be yet, there has been a significant decrease in SSI as can be seen in the following graphs. In spite of this favourable trend, there continue to be problematic areas. However, continued interventions are in place or in evolution in all the areas where there is continued higher than expected SSI rates.

**Figure 1.** All cases of surgical site infection (SSI) from January 1, 2010 to December 31, 2016, grouped by year.

If we examine another area such as *patient experience*, we can see that through a plan led by Dr. Gartke, more physicians are now looking at their patient experience scores and with the increased emphasis in this area we have seen a year over year improvement in patient experience scores across all divisions.
Our department is recognized provincially and nationally as a leader in \textit{surgical quality}. We play a prominent role in the provincial NSQIP collaborative and have run workshops in CUSP for both the Ontario and British Columbia collaborative. Our QI initiatives have been presented at provincial, national and international meetings. Of note, Health Quality Ontario looked to Ottawa to evaluate cost effectiveness of QI initiatives, such as CUSP.

The engagement of surgical staff along with nurses, allied health care professionals and hospital administration has been vital to the success of our QI program. There is always a need for continuous improvement in QI, and therefore your contributions make a big difference to patient care. If you have ideas, please approach Dr. Moloo, Dr. Gartke or any of the divisional leads. Thank you again for your engagement.
The Department of Surgery Eric C. Poulin Office of Education observed several advancements in education over this past year. The biggest of which was the Royal College accreditation visit in late November 2016. This was a huge undertaking by the office that showcased its collaboration and functionality with 8/10 programs receiving full accreditation with no weaknesses and all programs having had impeccable documentation and presentation.

### Postgraduate Education

#### Changes in Program Directors

The success of the accreditation visit marked the end of term for several program directors. The Office of Education would like to thank our program directors who are stepping down for their utmost dedication to their residency programs and their residents throughout their terms.

<table>
<thead>
<tr>
<th>Former Program Director</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Fraser Rubens</td>
<td>Cardiac Surgery</td>
</tr>
<tr>
<td>Dr. Shaheer Tadros</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Dr. Joel Werier</td>
<td>Orthopedic Surgery</td>
</tr>
<tr>
<td>Dr. Daniel Peters</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>Dr. Yvonne Ying</td>
<td>Surgical Foundations</td>
</tr>
<tr>
<td>Dr. James Watterson</td>
<td>Urology</td>
</tr>
</tbody>
</table>

At the same time, we would also like to welcome the following Program Directors and wish them success in their new appointments.

<table>
<thead>
<tr>
<th>New Program Director</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Munir Boodhwani</td>
<td>Cardiac Surgery</td>
</tr>
<tr>
<td>Dr. Lara Williams</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Dr. Karl-Andre Lalonde</td>
<td>Orthopedic Surgery</td>
</tr>
<tr>
<td>Dr. Kirsty Boyd</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>Dr. Jeff Warren</td>
<td>Surgical Foundations</td>
</tr>
<tr>
<td>Dr. Matthew Roberts</td>
<td>Urology</td>
</tr>
</tbody>
</table>

Another new addition to the Office of Education is the Surgical Oncology Program, under the directorship of Dr. Carolyn Nessim. This program was approved by the Royal College as a postgraduate training program and has accepted its first resident for the 2017/18 academic year.
Competency by Design

Over the next year, the office will be working on implementing several initiatives and further developing new strategies that pertain to Competency by Design. July 1, 2018 is scheduled to represent the first cohort of surgery residents to experience some of the curriculum redesign as part of their Surgical Foundations program. All training programs are currently working within their specialty committee to finalize the details of their launches.

Annual Teaching Awards

<table>
<thead>
<tr>
<th>Award for Best Surgical Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Paul Hendry Cardiac Surgery</td>
</tr>
<tr>
<td>Dr. Patrick James Villeneuve Thoracic Surgery</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Farid Shamji Award for Best Resident Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Laura Baker General Surgery</td>
</tr>
<tr>
<td>Dr. Ian Grant General Surgery</td>
</tr>
<tr>
<td>Dr. Joe Sadek General Surgery</td>
</tr>
</tbody>
</table>

The University of Ottawa Skills and Simulation Centre
Surgical Foundations (SF) enjoyed another fruitful and successful year as a beacon for teaching, innovation, and research within our department. It included both transition and growth. In 2016/17, there were 61 junior resident members from Cardiac Surgery, General Surgery, Neurosurgery, Orthopaedic Surgery, Plastic Surgery, Urology, Vascular Surgery, Otolaryngology, and Obstetrics and Gynecology.

A novel highlight of the 2016 SF Boot Camp was the inclusion of a linked simulated OSCE, designed to reflect and test the realities of clinical surgical practice. An eight-station examination included high-fidelity simulation, traditional OSCE, and technical skill stations, which were designed to run in sequence so skills (including recall of clinical scenarios and handover) could be assessed. This model captured many of the predetermined transitions to the discipline stage of the CBD milestones. In accordance with Ottawa SF philosophy, our novel boot camp structure bore a number of surgical education research projects that were presented at conferences and included:

- **Bringing Simulation Training to the Masses: Why Group Learning Can Be an Effective Low-Cost Alternative to the Traditional Hot-Seat Model**
  - **Husain Khambati**, Michael Yacob, Christine Seabrook, Laura Gerridzen, and Yvonne Ying

- **Can Videos Stimulate? Update on Passive vs Active Learning in Surgical Simulation**
  - Brent Trull, Laura Gerridzen, Christine Seabrook, Husain Khambati, Michael Yacob, and Yvonne Ying

In 2016, we experimented incorporating Royal College mandated entrustable professional activities for the transition to the discipline stage of the Competence by Design (CBD) model. In July 2017, SF welcomed the incoming PGY1s to the annual SF boot camp, introducing them to the life of a surgical resident and preparing them for upcoming challenges. We were successful in capturing all of the requisite milestones throughout the week, and thereby positioning ourselves for the official launch of CBD to commence July 2018.
The 2016/17 SF Outreach Projects again encouraged residents to participate in community outreach or interaction with patients outside of the hospital. For those candidates not participating, an opportunity to write a reflective paper on the role of physicians as community members was offered. The focus was to promote and assess the CanMEDS role of the physician as Health Advocate. Residents were asked to present their experiences to their peers and were evaluated on content and presentation skills. Examples of this years’ projects included volunteering at cancer fundraisers, attending patient support groups, implementing global health education initiatives, and volunteering at local shelters.

The Annual Review Week for PGY2s was run in February and designed to help prepare candidates for their Royal College Surgical Foundations Examination. The week-long curriculum used a flipped classroom teaching strategy affording peer presentations under the supervision of a senior resident, fellow or staff. Resident feedback was uniformly positive.

We are very proud of the assessment and feedback offered by the Royal College resulting from university-wide accreditation process in November. Dr. Yvonne Ying, Director of SF (until December 2016) oversaw the accreditation process. SF received an exemplary accreditation report with no highlighted weaknesses or recommendations for change. In fact, the Ottawa SF Program has set the standard for other programs across Canada to aspire to. The next Royal College external review is slated for 2024.

Thank you and bravo to Dr. Ying for all her hard work, dedication, and accomplishments during her tenure as SF Program Director. With the successful accreditation process behind us, we welcomed Dr. Jeff Warren as the incoming Director of SF. He is looking forward to the many challenges and opportunities the position affords, and is excited about the upcoming transition to a full competency-based curriculum over the next couple of years.
Undergraduate Education

Robert Feibel, MD FRCS(C)
Undergraduate Surgery Clerkship Director, Department of Surgery

1st Year: All Students Must Scrub
- An outcome of the Undergraduate Surgical Education Retreat was the decision to support all year levels and ensure that students are able to scrub and assist the surgical team in the OR.
- The decision that “all students must scrub”, whether in 1st or 4th year, was a major gain for undergraduate surgical education.

2nd Year: Surgical Exploration And Discovery (SEAD) Program
- SEAD is offered to students completing 1st year and involves further surgical exposure, consisting of a one-week skills boot camp and clinical rotation.
- Enrollment was increased this year (although limited to 30 students), but demand exceeded available spots.

3rd Year: Surgical Boot Camp
- The one-week surgical boot camp was “tweaked” slightly with the consolidation of surgical skills teaching and ATLS instruction, including Trauma Sim, on the 1st day of boot camp.
- “Flipped” classroom instruction has been added for 2017/18.

4th Year: Peri-Operative Medicine (POM)
- A two-week elective “Peri-Operative Medicine (POM)” was added in 2016. Although it is surgically-oriented, it does not count toward the two-week surgery total for 4th year.
- The POM elective is popular with students interested in surgery and anaesthesiology.
- It was continued for 2017 but made more compact (to fit a four-day week) and includes simulated pages and phone calls from nursing staff regarding patient management issues.

Surgery Podcasts
- A series of 19 podcasts has been prepared by resident and student champions in education for General Surgery, Urology, and Orthopaedic Surgery. These podcasts address concerns from students assigned to Distributed Medical Education (DME) surgery training sites and their inability to attend TOH and CHEO teaching rounds.
- Website: https://www.surgicaleducationportal.com
- Dr. Robert Feibel may be contacted for ideas for other sub-specialty topics.
One45 Evaluations

• There has been a major shift towards the timely completion of One45 student and resident evaluations. In order to provide accurate and useful feedback, evaluations should ideally be completed within five working days of the student/resident interaction.

Entrustable Professional Activities (EPA)

• EPAs as outlined by the Association of Faculties of Medicine of Canada 2016 report are coming. This coincides with goals outlined by the Association of American Medical Colleges (AAMC). EPAs are being rolled out across the clerkship entirely, not each rotation. Input and assistance in implementing the EPAs for students will be required.
Research

Andrew Seely, MD PhD FRCS(C)
Vice Chair - Research, Department of Surgery

Research in the department has undergone tremendous development in the past few years, and we look forward to its continuous growth. An overview of the 2016/17 research initiatives is shown. We also developed a communications infrastructure, including the research newsletter (which was recently expanded) and an internal website to direct our departmental members to research resources.

Research Initiatives in 2016/17

Collins Surgical Day

- 100% of attendees agreed that Dr. Mohit Bhandari gave an excellent presentation
- 7% increase in abstract submissions
- 67 abstracts received
- 57 trainees submitted abstracts
- 30 faculty reviewers

OHRI Methods Centre

- $100K/yr contract for support
- Core services include: data management, statistical analysis, study design & methodology, systematic reviews & knowledge synthesis, education, health economics.

Faculty Collaboration

- Spending $800K of departmental funds on research, afforded a $200k top-up by the FoM and UOttawa

Research Program Awards

- 6 RPA in 2016/17
- Congratulations to Drs. Auer (co-investigator), Arnaout (co-investigator), Breau, Hickling, Martel, Nasr, and Villeneuve.
- Awards were up to $120k over 2 years

Collins Surgical Day Research Awardees

<table>
<thead>
<tr>
<th>Best Research Presentations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>W.E. Collins Award (Overall)</td>
<td>Dr. Lisa Howard</td>
</tr>
<tr>
<td>Graeme Barber Award (Clinical Research)</td>
<td>Dr. Ivan Kamikovski</td>
</tr>
<tr>
<td>John P. Collins Award (Translational Research)</td>
<td>Dr. Hadi Toeg</td>
</tr>
<tr>
<td>Best Education Research Presentation</td>
<td>Dr. Laurence Dufresne</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Best Research Posters</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Research</td>
<td>Dr. Paul Jamieson</td>
</tr>
<tr>
<td>Quality Improvement Research</td>
<td>Dr. Patrick T Anderson</td>
</tr>
<tr>
<td>Education Research</td>
<td>Dr. Akshay Seth</td>
</tr>
<tr>
<td>Medical Student Research</td>
<td>Kara Nadeau</td>
</tr>
</tbody>
</table>
We would like to thank our dedicated 2016/17 Research Committee, who volunteer their time and expertise to support research within our department, as reviewers and to develop new resources to support our surgeon-investigators and surgeon-scientists, as well as trainees.

New and ongoing research support initiatives for 2017/18

- **Surgeon Scientists**: Principles for protected research time
- **Research Program Awards**: To be continued for 2017/18
- **Staff Research Half Day**: To be held in December 2017
- **OHRI Methods Centre**: Continued support
- **Mentorship Matching Program**: To be further developed
- **Wolves’ Den Grant Competition**: To award outstanding research with a live competition
- **Research Grants for New Recruits**: To be re-introduced
- **CIP Trainee Support**: To supplement divisional support
- **Faculty Collaboration**: Identification of innovative ways to support research
- **Grant Review Service**: To be further developed
- **Research Awards**: Faculty Researcher, Mentorship in Research & Research Personnel
- **Co-Hire of Dr Melissa Duffy into DIME** [along with OB/GYN] - to support scholarly work in surgical education
Finance

Ronald G. Gerridzen, MD FRCS(C) FACS
Vice-Chair - Finance, Department of Surgery

The Department of Surgery Finance Committee was constituted in the 1990’s by Dr. Hartley Stern to add decision support and transparency to the department’s global finances. The Finance Committee reviews all matters connected with the financial health of the department and its members and provides advice to the Department Chair and the Executive Committee on appropriate courses of action.

The Finance Committee is comprised of the Committee Chair, Department Chair, CHEO Chief of Surgery, Department Business Manager, and elected representatives from all divisions who in turn report back to their respective divisions.

Current committee membership is as follows:

<table>
<thead>
<tr>
<th>Role</th>
<th>Current</th>
<th>Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Committee Chair</td>
<td>Dr. Ron Gerridzen</td>
<td></td>
</tr>
<tr>
<td>Department Chair</td>
<td>Dr. Sudhir Sundaresan</td>
<td></td>
</tr>
<tr>
<td>Business Manager</td>
<td>David McIver (ex-officio)</td>
<td></td>
</tr>
<tr>
<td>Division Representatives</td>
<td>Dr. Joe Pagliarello</td>
<td>General Surgery</td>
</tr>
<tr>
<td></td>
<td>Dr. Adam Sachs</td>
<td>Neurosurgery</td>
</tr>
<tr>
<td></td>
<td>Dr. Paul Kim</td>
<td>Orthopaedic Surgery</td>
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<tr>
<td></td>
<td>Dr. Danny Peters</td>
<td>Plastic Surgery</td>
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<tr>
<td></td>
<td>Dr. Donna Maziak</td>
<td>Thoracic Surgery</td>
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<tr>
<td></td>
<td>Dr. Ilias Cagiannos</td>
<td>Urologic Surgery</td>
</tr>
<tr>
<td></td>
<td>Dr. George Hajjar</td>
<td>Vascular Surgery</td>
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</table>

The committee currently meets four or more times annually and there are a number of challenges to be addressed. These include:

- Federal tax law changes
- Departmental AFP structure
- Annually-changing AFP distribution model (see chart below)
- Probable reduced funding stream from the Faculty
- Impact of unilateral provincial reductions in health care payments affecting the global AFP
The Chair of the Finance Committee and the Department Chair are entitled to vote, but not for matters pertaining to the Department of Surgery AFP. Over the next 6 months, some tough decisions will have to be made as funding sources shrink and demands increase. Creation of necessary new portfolios to satisfy and maximize AFP distribution cost money. It has been recommended and approved at the Executive Committee that for transparency, fairness and uniformity, all departmental AFP funds received from TOHAMO will be distributed to divisions using the identical formula used by TOHAMO, based on a combination of FTE count and merit. The committee will continue to address future financial issues with responsible governance and divisional input, while maximizing the department’s position in a highly competitive funding environment.
Partnership Pillar

The Ottawa Hospital (TOH)

Sudhir Sundaresan, MD FRCS(C) FACS
Surgeon-in-Chief, The Ottawa Hospital

TOH surgical volumes by service for July 1, 2016 to June 30, 2017.

<table>
<thead>
<tr>
<th></th>
<th>In-patient Cases</th>
<th>Ambulatory Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2014/15</td>
<td>2015/16</td>
</tr>
<tr>
<td>Total</td>
<td>12 951</td>
<td>13 361</td>
</tr>
<tr>
<td>Cardiac Cases in Main OR*</td>
<td>2896</td>
<td>3225</td>
</tr>
<tr>
<td>Dental Surgery</td>
<td>130</td>
<td>126</td>
</tr>
<tr>
<td>General Surgery</td>
<td>2896</td>
<td>3225</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>1153</td>
<td>1159</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>3728</td>
<td>3740</td>
</tr>
<tr>
<td>Plastic Surgery</td>
<td>199</td>
<td>188</td>
</tr>
<tr>
<td>Thoracic Surgery</td>
<td>577</td>
<td>578</td>
</tr>
<tr>
<td>Urology</td>
<td>1626</td>
<td>1702</td>
</tr>
<tr>
<td>Vascular Surgery</td>
<td>1092</td>
<td>1056</td>
</tr>
</tbody>
</table>

*Number of principal procedures in the main OR for inpatients and same-day-admit patients. For all cardiac cases (principal procedures), the volume for inpatient cases was 9847 over the same time period.

TOH Clinical Heads

<table>
<thead>
<tr>
<th>Chief, Department of Surgery, TOH</th>
<th>Dr. Sudhir Sundaresan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiac Surgery</td>
<td>Dr. Marc Ruel</td>
</tr>
<tr>
<td>General Surgery</td>
<td>Dr. Fady Balaa</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>Dr. Howard Lesiuk</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>Dr. Paul Beaulé</td>
</tr>
<tr>
<td>Plastic Surgery</td>
<td>Dr. Murray Allen*</td>
</tr>
<tr>
<td>Thoracic Surgery</td>
<td>Dr. Sebastien Gilbert</td>
</tr>
<tr>
<td>Urology</td>
<td>Dr. J. Stuart Oake</td>
</tr>
<tr>
<td>Vascular Surgery</td>
<td>Dr. Sudhir Nagpal</td>
</tr>
<tr>
<td>Dentistry/Oral &amp; Maxillofacial Surgery</td>
<td>Dr. Kevin Butterfield**</td>
</tr>
</tbody>
</table>

*Dr. Daniel Peters became the Division of Plastic Surgery Head in 2017.
** Dr. Adam Irvine became Interim Division Head of Dentistry/Oral & Maxillofacial Surgery in 2017.
Children’s Hospital of Eastern Ontario (CHEO)

Juan Bass, MD FRCS(C)
Chief, Department of Surgery, CHEO

6 Pediatric Clinical Surgery Divisions within DoS
• Cardiovascular Surgery, General Surgery, Neurosurgery, Orthopedic Surgery, Plastic Surgery, Urology

4,213
• Surgical cases in 2016/17 (for dental cardiovascular surgery, general surgery, neurosurgery, orthopaedic surgery, plastic surgery, and urology only)

1.7%
• Increase in the number of cases from 2015/16 to 2016/17

$286k
• Grant funding for the 2016 calendar year

Clinical Heads at CHEO

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Head of Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief, Department of Surgery, CHEO</td>
<td>Dr. Juan Bass</td>
</tr>
<tr>
<td>Cardiac Surgery</td>
<td>Dr. Gyaandeo Maharaj</td>
</tr>
<tr>
<td>General Surgery</td>
<td>Dr. Juan Bass</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>Dr. David McAuley</td>
</tr>
<tr>
<td>Orthopaedic Surgery</td>
<td>Dr. Baxter Willis</td>
</tr>
<tr>
<td>Plastic Surgery</td>
<td>Dr. Yvonne Ying</td>
</tr>
<tr>
<td>Urology</td>
<td>Dr. Luis Guerra</td>
</tr>
</tbody>
</table>
Developments and Initiatives 2016/17

National Surgical Quality Improvement Program (NSQIP):
- In 2016 CHEO joined NSQIP.
- NSQIP is a data collection program run by the American College of Surgeons and it provides risk-adjusted data on pre-operative risk factors and post-operative outcomes, comparing CHEO to over 80 pediatric peers in North America.
- With 9 months of risk-adjusted data, we are better informed to target areas of opportunity for improvement.

EPIC
- IP (In Patient) Surgery EPIC Go Live is scheduled for October 21, 2017.
- Op Time Go Live is scheduled for April 2018.
- Drs. C. Malic and S. Carsen are Surgeon Champions.

Institute of Clinical Evaluative Sciences (ICES)
- Dr. C. Malic was selected to be a member of the ICSE Faculty Scholar Program this year.
- This is a two-year program from 2017-2019.
- The goal of ICES Faculty Scholar Program is to develop high caliber researchers who are passionate about population health and health services research.
Vision: To be a world-class, patient-centered Heart Institute in Canada.

Mission: Inspired by a unique culture of excellence and innovation, we promote heart health and lead in patient care, research and education.

Reinventing Cardiac Care: In 2016/17, the Heart Institute launched an additional Heart Team in Critical Care, further extending its multidisciplinary approach to patient care. Heart Teams ensure better and faster access to care and focus on what is best for each patient by integrating the combined expertise of highly-skilled health professionals from various specialties. By measuring immediate and long-term outcomes and looking at results beyond the hospital walls, Heart Teams make decisions that are informed by their patients, delivering personalized, patient-centered medicine.

<table>
<thead>
<tr>
<th>Complex Arrhythmia Heart Team</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybrid AF Ablation Model</td>
</tr>
<tr>
<td>Stop AFIB Program</td>
</tr>
<tr>
<td>Research</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Long-term Outcome Follow-up</td>
</tr>
</tbody>
</table>
**Complex Revascularization Heart Team**

<table>
<thead>
<tr>
<th>Triage Model</th>
<th>A model in which a multi-disciplinary team triages patients to most appropriate patient-centered care (percutaneous, surgical, medical therapy) (in progress)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybrid Coronary Revascularization Model</td>
<td>A collaborative model which combines advances in cardiac surgery and interventional cardiology best approached in a hybrid OR (in progress)</td>
</tr>
<tr>
<td>Education</td>
<td>Education classes for patients with coronary artery disease: structured patient self-care</td>
</tr>
<tr>
<td></td>
<td>Management discharge tool provided to coronary artery bypass graft (CABG) patients (launched)</td>
</tr>
<tr>
<td>Long-term Outcome Follow-up</td>
<td>A model to assess outcomes of all coronary revascularization patients, including quality of life (in progress)</td>
</tr>
</tbody>
</table>

**Building up our Infrastructure:** The Life Support Capital Project continues to represent the most significant expansion in the life of the Heart Institute. With the support of the Ministry of Health and Long-Term Care (MOHLTC), Infrastructure Ontario and the community, more than 145,000 sq. ft. of new space will be added to our current facilities to ensure the continued provision of world-class specialized cardiac care in our region.

- Five operating rooms and one shelled-in operating room
- Nine catheterization/electrophysiology labs
- An additional surgical critical care unit for 27 beds
- A central registration area in the lobby
- Escalator access to upper and lower floors
- A shelled-in floor for future expansion

**Growing our Institute Model:** The Heart Institute is a unique cardiac center that integrates care (treatment, prevention and rehabilitation), research (clinical and laboratory) and education (medical and allied health) in a single facility. To further our goal of becoming a world-class patient-centered heart institute in Canada, the Heart Institute has created a management framework and a committee structure to inform and manage engagement efforts, supporting the Institute’s research activities and contributing to the improved delivery of services to patients.

A senior management steering committee provides oversight and stewardship of two operational committees:

- The Patient Engagement in Research Advisory Council advises and develops strategies and activities to engage patients in all aspects of research at the Institute.
- The Patient Partnership Committee works to enhance the patient experience at all levels of clinical care.
Faculty of Medicine

Bernard Jasmin, PhD
Interim Dean and Professor, Faculty of Medicine

The University of Ottawa’s Faculty of Medicine is founded on two fundamental pillars: education and research. Through the creation and dissemination of scientific knowledge and expertise, our researchers, clinicians and students work not only to address society’s growing health care needs in a wide range of biomedical areas, but also to improve services such as detection, prevention, diagnosis and treatment. The Faculty is now recognized as a national and world leader in medical education and research for these efforts.

International Collaborations Supporting Education and Research

| University of Ottawa FoM & Shanghai Jiao Tong University School of Medicine | MOU for a partnership in medical education and research |
| University of Ottawa & Shanghai Institute of Materia Medica (SIMM) | A joint laboratory in mass spectroscopy & proteomics to build an international collaborative team |
| University of Ottawa & The Shanghai Institutes for Biological Sciences (SIBS) | A systems biology collaboration: (1) to organize an annual symposium, (2) to stimulate collaboration via short stays and sabbatical research studies, (3) to encourage joint (inter)national funding applications, and (4) to support international experience for trainees |
| University of Ottawa & OHRI & TOH & Institute of Zoology & SIBS | A collaborative agreement to develop links in reproductive biology, promote exchange of research personnel for joint projects and academic meetings, and to develop joint teams in reproductive health and education |
| University of Ottawa & Université Paris Descartes | Agreement to promote collaborative links in proteomics and systems biology, with efforts directed toward its development and application, clinical applications, mechanistic study of traditional Chinese medicine, biological validation, and bioinformatics software development |
| University of Ottawa & SHIGA University of Medical Science | Specifically, the University of Ottawa Centre for Research in Biopharmaceuticals and Biologics will be involved in the partnership to develop academic and scientific collaborations, with emphasis on brain and mind sciences, cardiovascular science and medical pedagogy |
| University of Ottawa FoM & Shanghai Jiao Tong University School of Medicine | Agreement to provide joint medical training and awarded the first MD degree in China |
| | Opened the first Canadian-style family physician clinic in China |
| | Supporting ongoing research with a significant research fund |
| University of Ottawa FoM & Université Claude Bernard Lyon | Cooperative agreement to support development of stronger ties for conducting research in the biomedical sciences, as well as joint research programs and conferences |
| | A joint neuromuscular disease research program was launched to support basic & clinical science |

Schools and Departments

The schools within the Faculty of Medicine incorporate highly regarded educational programs and world-class research. Conducted under the auspices of various academic and research programs, their combined efforts make the Faculty of Medicine one of the strongest research-intensive programs in Canada and around the world.

- School of Epidemiology, Public Health, and Preventative Medicine
- School of Medicine
- Ottawa-Shanghai Joint School of Medicine
- Department of Cellular Molecular Medicine
- Department of Biochemistry, Microbiology, Immunology
- Department of Innovation in Medical Education
Faculty of Medicine – Undergraduate Education
Melissa Forgie, MD MSc FRCS(C)
Vice-Dean, Undergraduate Medical Education

The Undergraduate Medical Education (UGME) Program at the University of Ottawa Faculty of Medicine is ranked as one of the top medical programs in Canada through the accreditation process governed by the Association of Faculties of Medicine of Canada (AFMC).

Our highly regarded bilingual curriculum attracts students from across the country. We are fully engaged in working toward the University’s goals as identified in Destination 2020, specifically focusing on enhancing the student experience while maintaining our support for bilingualism, research and internationalization.

To achieve these goals, we focus on:

- Ensuring our continued accreditation success by maintaining the standards expected of a top-rated medical school
- Maintaining the best experience possible for our students by continuing to provide support and superior customer service
- Creating opportunities to increase the amount of funding available for our students through awards and bursaries
- Developing evidence-based pedagogical techniques for curriculum content and development
- Increasing the level of accountability on MD Program outcomes with emphasis on social accountability

Department of Surgery Faculty Members

<table>
<thead>
<tr>
<th>Clerkship - Rotation Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Robert Feibel</td>
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<tr>
<td>Dr. Mathieu J Carrière</td>
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<table>
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<tr>
<th>Distinguished Teacher Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Ken Kontio</td>
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</tbody>
</table>
Faculty of Medicine – Postgraduate Education
Lorne Wiesenfeld, MDCM FRCS(C)
Vice-Dean, Postgraduate Medical Education

It has been a very successful academic year, and some of the highlights include:

- Successful accreditation report on nearly all programs
- Impressive Surgical Foundations Program
- Sim Education Leader
- Highly-engaged Program Directors
- Program graduates largely successful in finding employment in their fields

Future initiatives and challenges that the Faculty of Medicine – Office of Postgraduate Education and the Department of Surgery are planning for include:

- Development of competency-based medical education (CBME) for Department of Surgery programs
- Determining how Department of Surgery Clinical Programs will evolve with the arrival of CBME
- Determining how clinical services will be maintained with the arrival of CBME
- Revising the faculty development in light of CBME
Faculty of Medicine – Research
Ruth Slack, PhD
Interim Vice Dean, Research

Destination 2020 outlines four major strategic goals: research excellence, internationalization, the student experience and bilingualism. The vision for research excellence is to rank among the top-five Canadian universities in research intensity and to rank among the top-100 worldwide, in specific centers of excellence.

Drawing from a solid culture of inquiry, advancement and excellence across disciplines, uOttawa focuses research strengths and efforts in four strategic areas of development in research, for Canada and worldwide: health, e-Society, molecular science, and environmental science.

These areas are important: (1) to attract significant funding in the form of grants, contracts, donations and partnerships; (2) to devote considerable resources to the training of students; and (3) to disseminate knowledge widely within the academic community, to policy-makers as appropriate, and to the broader public. They also provide direction on strategic investments in infrastructure, recruitment of faculty and staff, and allocation of internal research funds.

Moving forward, we will build on these research strengths for increased competitiveness on the international scene and to position our researchers to lead global networks. We will also nurture selected areas of emerging excellence that hold promise for the future.

Strategic, Broad-based Research Initiatives at the Faculty of Medicine

**Brain & Mind Research Institute**
The institute connects basic and clinical investigators across disciplines to enhance neuroscientific and behavioural research, including stroke, Parkinson’s disease, depression & neuromuscular disease.

**Cardiovascular & Vascular Biology**
To become leaders in cardiovascular disease & knowledge translation, Innovation Clusters have been formed via multidisciplinary teams & staff have been hired in regenerative medicine, imaging probes & metabolomics.

**School of Epidemiology, Public Health & Preventive Medicine**
The School carries out research on the determinants of health and disease etiology & on the development, implementation and evaluation of practices, programs and policies aimed to optimize health and social services.

**Centre for Infection, Immunity & Inflammation (CI3)**
CI3 was created to connect basic & clinical scientists from diverse backgrounds to develop solutions for infectious & inflammatory disease, addressing the cardiovascular, immune, neurological & endocrine systems.
Current Chair Holders from the Department of Surgery

<table>
<thead>
<tr>
<th>Endowed and Sponsored Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Duane Hickling</td>
</tr>
<tr>
<td>Dr. Thierry Mesana</td>
</tr>
<tr>
<td>Dr. Thierry Mesana</td>
</tr>
<tr>
<td>Dr. Marc Ruel</td>
</tr>
<tr>
<td>Dr. Marc Ruel</td>
</tr>
<tr>
<td>Dr. Sudhir Sundaresan</td>
</tr>
<tr>
<td>Vacant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Rebecca Auer</td>
</tr>
<tr>
<td>Dr. Angel Arnaout</td>
</tr>
<tr>
<td>Dr. Rodney Breau</td>
</tr>
<tr>
<td>Dr. Eve Tsai</td>
</tr>
</tbody>
</table>

Faculty of Medicine, University of Ottawa Translational Research Grant (TRG)

To develop translational research and promote scientific relationships between basic and clinical researchers at the Faculty of Medicine and to set the stage for future translational research advances and bench-to-bedside innovation to develop from within our Faculty, the TRG process will invite applications from two researchers, each as co-PI. One researcher must hold his/her primary appointment in a basic science department, and the other researcher must hold his/her primary appointment in a clinical department. Details are forthcoming.

Core Facilities

These are state-of-the-art equipment, instrumentation, methodologies, and expertise and are accessible to all researchers across the University of Ottawa on a fee-for-service basis.

<table>
<thead>
<tr>
<th>Animal Behaviour</th>
<th>Dr. Diane Lagacé</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioinformatics</td>
<td>Dr. Theodore Perkins, Dr. Ilya Ioshikhes</td>
</tr>
<tr>
<td>Cell Biology &amp; Image Acquisition</td>
<td>Dr. John Copeland</td>
</tr>
<tr>
<td>Common Equipment &amp; Technical Expertise</td>
<td>Dr. Jean-François Couture</td>
</tr>
<tr>
<td>Containment Level 3</td>
<td>Dr. Bernard Jasmin</td>
</tr>
<tr>
<td>Flow Cytometry</td>
<td>Dr. Marc-André Langlois</td>
</tr>
<tr>
<td>Transgenic</td>
<td>Dr. David Lohnes</td>
</tr>
<tr>
<td>Genomics (StemCore)</td>
<td>Dr. Michael Rudnicki</td>
</tr>
<tr>
<td>Proteomics (StemCore)</td>
<td>Dr. Marjorie Brand</td>
</tr>
<tr>
<td>Human Pluripotent Stem Cells</td>
<td>Dr. William Stanford</td>
</tr>
<tr>
<td>Histology</td>
<td>Dr. John Veinot</td>
</tr>
<tr>
<td>Preclinical Imaging</td>
<td>Dr. Frank J. Rybicki</td>
</tr>
<tr>
<td>Proteomics</td>
<td>Dr. Daniel Figeys</td>
</tr>
</tbody>
</table>
“I would like to congratulate the Department of Surgery on their impressive research achievements over the last few years. Our surgeon-researchers are publishing in top journals, bringing in prestigious grants and collaborating widely to improve patient care at The Ottawa Hospital and around the world.”

Dr. Duncan Stewart, Executive Vice President of Research, The Ottawa Hospital CEO & Scientific Director, Ottawa Hospital Research Institute

Professor of Medicine, University of Ottawa

Overview of DoS Surgeons within Ottawa Hospital Research Institute

Principal Investigators

- 3 Scientists
- 7 Associate Scientists
- 62 Investigators

Research Funding

(led by DoS PIs & administered by OHRI)

- $2.8 M (2016/17)

Active Clinical Projects

(led by DoS PIs & with approval by OHSN-REB)

- 249 Active Studies
- 27 Full Board
- 41 Delegated
- 34 Chart
- 147 Renewals

Collaborations with the Ottawa Methods Centre

- 9 Formal 1-on-1 Consultations
- 4 Training Presentations
Ottawa Hospital Research Institute Highlights

A study led by Dr. Rebecca Auer found that a personalized viral vaccine can effectively fight the spread of abdominal cancer in animal models. *Cancer Immunology*.

Dr. Guillaume Martel (together with Dr. Dean Fergusson and others) developed a tool to help doctors decide which liver surgery patients should get blood transfusions. *Annals of Surgery*.

Dr. Hesham Abdelbary (together with Dr. Jean-Simon Diallo) found that cancer-fighting viruses are effective against rare bone and muscle cancers in lab models. *International Journal of Cancer*.

Dr. Adam Sachs co-discovered how nerve cells in our brains work in harmony to store and retrieve short-term memory. *PNAS*.

Dr. Geoffrey Dervin and colleagues found that sending some knee replacement patients home early is safe and could save 30% in hospital costs. *Canadian Journal of Surgery*.

Dr. Carolyn Nessim and colleagues received the Scientific Impact Award from the American Society of Breast Surgeons for their research on implantable radioactive seeds to mark small breast tumours for surgery.

Dr. Adam Sachs was invited to present his research on brain-computer interfaces at the Ottawa Hospital Research Institute’s Scientific Retreat.

Resident Dr. Sean Bennett won third place in the Postdoctoral Poster Competition at the Ottawa Hospital Research Institute’s Research Day for his research on blood transfusions during liver surgery.

Dr. Paul Beaulé’s research on implants in hip replacement surgery was featured in various hospital publications.

Dr. Andrew Seely has secured several licenses for his software for automated Thoracic Surgery Quality Monitoring, Information Management, and Clinical Documentation (TSQIC).
TOHAMO

Connie Colasante
Executive Director, TOHAMO

The validated TOHAMO metrics for the Department of Surgery for 2015/16 include:

**Faculty Members**
- **82 Members**
- **78.3 FTEs**

**Professional Development**
- **41 CPD Hours**

**Research**
- **$2.46 M Research Grants**
- **40 New Grants Awarded**
- **106 Publications**
- **5 Graduate Students Supervised**

**Education**
- **45,333 MTD Days**
- **249 Undergraduate Contact Hours**

The key highlights of the new AFP Funding Allocation include:

- Allocation of funds into three distinct funding streams: FTE, Metrics & Clinical Repair
- Application of the new FTE definition to each physician member
- Academic metrics refreshed with current datasets from the Faculty of Medicine, University of Ottawa & Ottawa Hospital Research Institute
- New Hospital Metrics introduced to align with Hospital & MAC Quality Scorecard
- AFP Funding Allocation to be refreshed annually with up-to-date metrics

The TOHAMO Board will continue to evaluate the AFP Funding Allocation with a goal to increase the accountability and alignment of the funding to the academic and clinical mandate of the hospital and Faculty of Medicine.
DIVISIONS

Division of Cardiac Surgery

Marc Ruel, MD MPH FRCS(C) FCCS FAHA
Division Head, Cardiac Surgery

Faculty Members

- 18 Heart Institute (HI)
- 2 CHEO

Trainees

- Residents
  - 8 HI / 2 CHEO
- Fellows
  - 4 HI

Graduate Students

- 7 MSc/PhD Students

Publications

- 59 (HI)

Clinical Trials

- 12 (10 active and 2 follow-up)
- 224 Patients

New Recruits to the Division

Dr. Maria Rodriguez

- CHEO

Dr. Talal Al-Atassi

- Heart Institute

Awards and Highlights

**Division of Cardiac Surgery / Heart Institute: Points of distinction**

- Top CIHI outcomes in the country for coronary and valve surgery
- Largest heart transplant program in Canada
- Centre of Excellence, Centre of Education & Nationwide Referral Centre for Minimally Invasive Cardiac Surgery: Coronary and valve
- Wide scope of expertise from MICS to quaternary complex/repeat operation referrals
- International Aortic Valve Repair Symposium in June 2017: Led by Dr. M Boodhwani
- Unprecedented translational science grant funding and clinical research activity: Numerous UOHI led studies and ~60 scientific papers from division per year
- International Academic Leadership in Cardiac Surgery

**Awarded to Individuals in the Division of Cardiac Surgery / Heart Institute**

<table>
<thead>
<tr>
<th>Name</th>
<th>Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Talal Al-Atassi</td>
<td>2016 Winner of Best Moderated Poster for Arrhythmia Topic – ISMICS 2016; 2016 Winner of the International Fellowship for New Faculty Competition – ($10 k) University of Ottawa</td>
</tr>
<tr>
<td>Dr. Janet Ngu</td>
<td>Cardiothoracic Resident Top Gun Competition 2017 Finalist at Society of Thoracic Surgeons Meeting</td>
</tr>
<tr>
<td>Dr. Igo Ribeiro</td>
<td>2016 Collins day 2016- Outstanding Educational Poster Award</td>
</tr>
<tr>
<td>Dr. Hadi Toeg</td>
<td>Paul Cartier Award 2016; John Collins Best Basic Science Oral; Detweiler Travelling Fellowship; PGME uOttawa International Fellowship Award; Wilbert J. Keon Award – uOHI</td>
</tr>
<tr>
<td>Dr. Paul Hendry</td>
<td>Surgical Teacher of the Year – Department of Surgery Collins Day 2017</td>
</tr>
<tr>
<td>Dr. Marc Ruel</td>
<td>Recognition Award for Outstanding Leadership, American Heart Association: Iconic Speaker Series, University of Toronto (Heart Institute: Leading the way in Cardiac Surgery)</td>
</tr>
</tbody>
</table>
Community and International Academic Involvement

Dr. David Glineur
• **Invited Speaker**: Implementation of a revascularization heart team (AHA), Advanced coronary revascularization: moving beyond the obvious (CSCS Workshop), How to treat Complex coronary artery disease (CSCS), Should FFR-guided CABG become the new standard? (EACTS), Moderator 2 Sessions: Multiple arterial grafting (EACTS), Sequential arterial grafting How I do it? (EACTS) & In-Situ versus Composite, How to decide the best configuration? (EACTS)
• **Live Broadcast Interview**: Should FFR-guided CABG become the new standard? (EACTS)

Dr. Emilio Alarcon
• **Volunteer**: Northern Youth Abroad as a Monitor for Lets Talk Science Summer 2017
• **Visiting Professorships**: USACH and PUC
• **Visiting Professor Lectureship**: Light-Mediated Biopolymer Assembling as a New Tool for Tissue Engineering (University of Santiago)
• **Collaboration**: Harvard Med School, Montreal University, USACH-Chile, Pontificia Universidad Catolica de Chile (PUC)

Dr. Vincent Chan
• **Invited Lectures**: How durable is repair of degenerative mitral regurgitation in the young? (AHA & CSCS)

Dr. Marc Ruel
• **Invited Speaker**: Early Career Session. Keys to Success for Every Level in Cardiovascular Surgery and Anesthesia - Session 1 (AHA), Early Career Session. Keys to Success for Every Level in Cardiovascular Surgery and Anesthesia - Session 2 (AHA), Alternative Treatment Strategies for Triple Vessel Disease (AHA), Coumadin, Reoperation, or Valve in Valve: The Statistics of Choosing Valve Prostheses (AHA), Advanced Coronary Revascularization: Moving Beyond the Obvious, (CSCS Workshop)

Dr. Juan Grau
• **Invited Speaker**: Mitral Valve Surgery (EACTS), In-Situ right internal thoracic artery (RITA/RIMA): above or below the aorta (EACTS), Full arterial revascularization, ESTS

Dr. Erik Suuronen
• **Collaboration**: Albert Einstein College of Medicine, Dartmouth University, Soochow University

Division of Cardiac Surgery, 2017 Collins Day From L to R: Drs Ruel, Hendry, Rubens, Boodhwani, Ribeiro (PGY4), Kimmaliardjuk (PGY3), Habaji (PGY3), Clarizia (PGY2), Guo (PGY1), Toeg (PGY6) Ngu (PGY4)

Division of Cardiac Surgery, at 2017 Re-Evolution Methodist DeBakey Educational Event, April 2017 From L to R: Drs Kawajiri (fellow), Ramchandani (Methodist Course Director), Ruel, Ngu (PGY5), Juanda (PGY6) and Mr Ed Jordison, RN (Care Facilitator, Cardiac OR)

Dr. Paul Hendry received the Surgical Teacher of the Year – Department of Surgery Collins Day 2017
# Division of General Surgery

**Fady Balaa, MD FRCS(C)**  
Division Head, General Surgery

## Faculty Members
- **25**  
  - TOH
- **4**  
  - CHEO

## Trainees
- **Residents**  
  - 37 TOH  
  - 1 CHEO
- **Fellows**  
  - 4 TOH  
  - 1 CHEO

## Research Staff & Graduate Students
- **PhD Scientists**  
  - 1 (CHEO)
- **MSc/PhD Students**  
  - 3 TOH & 3 CHEO
- **Research Staff**  
  - 4 CHEO

## Publications
- **48**  
  - TOH
- **23**  
  - CHEO

## Promotions

Dr. Ahmed Nasr was promoted to Associate Professor.

## Collaborations

### Dr. Juan Bass
- Involved in the coordination of surgical teams for development & implementation of In-Patient EPIC, with “go live” on October 21, 2017

### Dr. Ahmed Nasr
- Collaborations:  
  - Cochrane Canada for Canadian Association of Pediatric Surgeons Evidence-Based Resource.  
  - IBM Canada for “Decision Aid in Pediatric Surgery”

### Dr. Kyle Cowan
- Established local & national research collaborations
- Member RCPSC Specialty Committee on Pediatric Surgery

### NSQIP
- CHEO joined NSQIP during the past year and is in the process of reviewing data and collaborating to find areas of improvement

### Rounds
- Combined Endocrine/Surgery Rounds  
- Quarterly Thyroid Rounds: Radiology, ENDO, Surgery & Pathology - new collaboration this year

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### Dr. Carolyn Nessim
Member of the Trans-Atlantic Retroperitoneal Sarcoma Working Group; Member of the Global Melanoma Research Network; Melanoma CoP Chair

### Dr. Rebecca Auer
Member of the Canadian Cancer Clinical Trials Group (CCTG) Clinical Trials Committee; Co-chair of the Rectal Disease Oncology Group; Member U.S. Anal and Rectal Task Force for North American Co-operative Group Trial; Member of the Program Planning Committee Society of Surgical Oncology Annual Cancer Symposium (March 2016 and 2017); Member of the RCPS Surgical Oncology Subspecialty Committee; Member of the CCO Provincial Sarcoma Steering Committee (quality metrics for sarcoma); CCO Out of Country Expert (& reviews funding requests for out of province cancer surgery)

### Dr. Fady Balaa
Co-chair General Surgery Examination Board Kuwait Institute for Medical Specialization (RCPS initiative); Nucleus member General Surgery Specialty Committee (RCPS)
Leadership

Dr. Amy Neville
Named to the Board of Directors of the Canadian Association of Bariatric Physicians & Surgeons of Canada

Dr. Ahmed Nasr
Director of Trauma at CHEO, Representative - Pediatric Surgery - Ontario Congenital Anomalies Committee, Representative of Pediatric Surgery - Canada Wait Time Alliance, Representative - Pediatric Surgery at the Canadian Medical Association, Representative - Children’s Oncology Group, CHEO, Representative- Pediatric Surgery - Ontario Trauma Association Committee, Vice-Chair - Canadian Association of Pediatric Surgeons (CAPS) Research Committee, Member - Canadian Association of Pediatric Surgeons Education Committee, Representative - Pediatric Surgery Choosing Wisely Campaign

Awards

Dr. Guillaume Martel
Inaugural Canadian Association of General Surgery Innovation Award
Division of General Surgery: New Recruit Surgeon Researcher Award
Department of Surgery Research Program Award

Dr. Rebecca Auer
University of Ottawa, Distinguished Young Professor Award
Department of Surgery Research Program Award
Ottawa Cancer Center Jack Aaron Memorial Award

Drs. Carolyn Nessim and Erin Cordeiro
Best Scientific Impact Award - American Society of Breast Surgeons “Radioactive seed localization vs. wire-guided localization for non-palpable breast cancer: A cost and OR efficiency analysis”

Dr. Carolyn Nessim
Award for best article – UOJM “Ensuring a safe and Qualitative Diagnostic biopsy for retroperitoneal sarcomas”
Audley Bodurtha Teaching Award

Dr. Jean-Denis Yelle
Academy of Medicine Dr. J David Roger Distinguished Service Award

Dr. Angel Arnaout
Department of Surgery Research Program Award

High-impact Publications


## Awards and Promotions

### Awards

<table>
<thead>
<tr>
<th>Award</th>
<th>Recipient</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthes Skull Base Award, Presented for the best paper at the Congress of Neurological Surgeons Annual General Meeting</td>
<td>Dr. Fahad AlKherayf</td>
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</tr>
<tr>
<td>Awarded Masters of Public Health, Harvard University</td>
<td>Dr. Brian Drake</td>
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</tr>
<tr>
<td>AHEPA Award, Recognition for International Volunteerism</td>
<td>Dr. Michael Vassiliad</td>
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</table>

### Promotions & Appointments

<table>
<thead>
<tr>
<th>Position</th>
<th>Recipient</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Professor</td>
<td>Dr. Dana Iancu</td>
<td></td>
</tr>
<tr>
<td>Associate Program Director, Division of Neurosurgery</td>
<td>Dr. Fahad AlKherayf</td>
<td></td>
</tr>
<tr>
<td>Director of Cerebrovascular Surgery at TOH / University of Ottawa</td>
<td>Dr. John Sinclair</td>
<td></td>
</tr>
<tr>
<td>Undergraduate Teaching Director, Division of Neurosurgery, Director of Fellowship Training, Integrated Spine Program</td>
<td>Dr. Safrz Mohammed</td>
<td></td>
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</tbody>
</table>

### High-impact Publications

- **Resection of the Odontoid Process through Expanded Endoscopic Endonasal Approach: Our Clinical Experience and Surgical Techniques.** J Neurological Surg B
- **The future of intraoperative neuromonitoring in skull base surgery: Intraoperative Flash Visual Evoked Potentials a novel technique aiming to reduce risk of intraoperative visual pathway injury.** J Neurological Surg B
- **Surgical clipping or endovascular coiling for unruptured intracranial aneurysms: a pragmatic randomised trial.** J Neuroel Neurosurg Psychiatry
- **Correlated variability modifies working memory fidelity in primate prefrontal neuronal ensembles.** Proc Natl Acad Sci U S A
### Divisional Highlights at TOH

<table>
<thead>
<tr>
<th>Collaboration</th>
<th>National Recognition</th>
<th>Leadership</th>
</tr>
</thead>
</table>
| • Establishment of the Multidisciplinary Anterior Skull Base and Lateral Skull Base Clinics in collaboration with ENT | • Drs. Agbi, AlKherayf and Mohammed organized the National Review Course in Neurosurgery under the auspices of the Canadian Neurosurgical Society | • Dr. Eve Tsai:  
- Chair, Awards Committee, Women in Neurosurgery, AANS  
- Editorial Board Member AANS Neurosurgeon  

<table>
<thead>
<tr>
<th>Leadership</th>
<th>Leadership</th>
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</table>
| • Dr. Richard Moulton:  
- Board Member, Neurosurgery Ontario  
- Vice Chair System Capabilities Working Group | • Dr. David McAuley serves on the Neuroscience Steering Board for Neurosurgery and Neuroscience for the Epic EMR Programme |

### Divisional Highlights at CHEO

<table>
<thead>
<tr>
<th>Volunteer Work</th>
<th>Leadership</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Dr. Michael Vassilyadi is the Medical Director of the Ottawa Chapter of Parachute / ThinkFirst Canada, which promotes head injury prevention nationally</td>
<td>• Dr. David McAuley serves on the Neuroscience Steering Board for Neurosurgery and Neuroscience for the Epic EMR Programme</td>
</tr>
</tbody>
</table>

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Dr. Mohammed Al Ghamdi along with other neurosurgery residents in community advocacy with head injury prevention  

Dr. Idara Edem along with other neurosurgery residents in community advocacy with head injury prevention  

Pediatric Concussion Clinic Research Team  

Pediatric Concussion Clinic Team
Division of Orthopaedic Surgery

Paul Beaulé, MD FRCS(C)
Division Head, Orthopaedic Surgery

Faculty Members

- **27 TOH**
- **6 CHEO**
- **8 Surgical Assistants & Consultants (TOH)**

Trainees

- **Residents**
  - **28 TOH**
  - **4 CHEO**
- **Fellows**
  - **17 TOH**
  - **2 CHEO**

Scientists & Graduate Students

- **13 PhDs**
- **4 MSc/PhD Students**

Publications

- **53** from TOH & CHEO

New Orthopedic Surgeons in our Division

- Dr. Alberto Carli
- Dr. Bradley Meulenkamp
- Dr. Geoffrey Wilkin

Awards & Promotions

<table>
<thead>
<tr>
<th><strong>Awards</strong></th>
<th><strong>Promotions</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Baxter Willis, Chief of Orthopaedics, CHEO</td>
<td>2017 Jacques Robichon Award for Exemplary Service</td>
</tr>
<tr>
<td>Dr. Kevin Smit, CHEO</td>
<td>2017 Staff Teaching Award</td>
</tr>
<tr>
<td>Dr. Sasha Carsen</td>
<td>Arthroscopy Association of North America Travelling Fellowship</td>
</tr>
<tr>
<td>Dr. John Morellato, TOH</td>
<td>2017 Resident Teaching Award</td>
</tr>
<tr>
<td>Dr. Karl-André Lalonde</td>
<td>New Residency Program Director</td>
</tr>
<tr>
<td>Dr. Braden Gammon</td>
<td>Residency Research Supervisor</td>
</tr>
</tbody>
</table>

New Members of the Orthopaedic Surgery Research Team

<table>
<thead>
<tr>
<th>Ms. Johanna Dobransky</th>
<th>Dr. Jung-Kyong Kim</th>
<th>Ms. Cheryl Kreviazuk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Yusram Al Mosuli</td>
<td>Ms. Sara Ruggiero</td>
<td>Ms. Nicole Harris</td>
</tr>
<tr>
<td>Dr. Mariam Taha</td>
<td>Ms. Kristina Vogel</td>
<td>Ms. Kathryn Culliton</td>
</tr>
</tbody>
</table>

Visiting Professors

<table>
<thead>
<tr>
<th>Dr. Bas Masri</th>
<th>UBC</th>
<th>Adult Reconstruction Visiting Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Mark Glazebrook</td>
<td>Dalhousie University</td>
<td>Hans K. Uthoff Research Day Visiting Professor</td>
</tr>
<tr>
<td>Dr. Lawson Copley</td>
<td>Texas Scottish Rite Hospital for Children</td>
<td>Pediatric Orthopaedic Surgery Visiting Professor</td>
</tr>
<tr>
<td>Dr. David Pichora</td>
<td>Queen’s University</td>
<td>Research in Progress Day Visiting Professor</td>
</tr>
<tr>
<td>Dr. Alan Curtis</td>
<td>Tufts University</td>
<td>Sports Medicine Visiting Professor</td>
</tr>
<tr>
<td>Dr. David Sanders</td>
<td>Western University Bone and Joint Institute</td>
<td>Trauma Visiting Professor</td>
</tr>
</tbody>
</table>
2016/17 Events Happening in the Division of Orthopaedic Surgery

Rattle Me Bones
Raised $41 k for bone research
Residents, the research team, and staff volunteered their time to support

Dr. Philippe Phan participated in Dancing with the Docs and raised $22 k for the MSK Research Chair

Collaborations:
TOH ED to enrol 25 patients in Hip Attack Across Ottawa collaborations, to combine expertise on musculoskeletal tissue histology & muscle sparing QI studies with experts urology, rehabilitation & geriatrics

Recognition:
Drs. Isabelle Catelas and Paul Beaulé et al received the 2017 William H. Harris Award from Orthopaedic Research Society Dr. Sasha Carson et al was awarded Carroll A. Laurin Award from the Canadian Orthopaedic Foundation

Drs. Peter Lapner & J. Pollock hosted the Canadian Orthopaedic Association annual meeting in Ottawa

Current Clinical Trials & Number of Patients Enrolled

<table>
<thead>
<tr>
<th>Trauma</th>
<th>Orthopaedic Oncology</th>
<th>Prospective Knee and Hip Databases</th>
<th>Adult Reconstruction</th>
<th>Upper Extremity</th>
</tr>
</thead>
<tbody>
<tr>
<td>97</td>
<td>402</td>
<td>13 833</td>
<td>1132</td>
<td>503</td>
</tr>
</tbody>
</table>

High-impact Publications


de Jesus C, Stacey D, Dervin GF. Evaluation of a Patient Decision Aid for Unicompartmental or Total Knee Arthroplasty for Medial Knee Osteoarthritis. *J Arthroplasty*


Division of Plastic Surgery

Murray Allen, MD FRCS(C) FACS
Division Head*, Plastic Surgery

*Dr. Daniel Peters became the Division of Plastic Surgery Head in 2017.

Faculty Members

<table>
<thead>
<tr>
<th></th>
<th>18</th>
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<tbody>
<tr>
<td>TOH</td>
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<td>CHEO</td>
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Residents

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<tr>
<th></th>
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<tbody>
<tr>
<td>TOH</td>
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<tr>
<td>CHEO</td>
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Fellows

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<tbody>
<tr>
<td>EM fellows on rotation at CHEO</td>
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Publications

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<tr>
<th></th>
<th>21</th>
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<tbody>
<tr>
<td>TOH</td>
<td>12</td>
</tr>
<tr>
<td>CHEO</td>
<td>9</td>
</tr>
</tbody>
</table>

Promotions

Appointments

Dr. Yvonne Ying
• Associate Professor

Dr. Kirsty Boyd
• Program Director

Dr. Daniel Peters
• Division Head

Publications

Abboud J, Stein M, Ramien M, Malic CC. Diagnosis and management of Spitz nevi in the pediatric population: a systematic review and meta-analysis protocol. Syst Rev


Cheung K, Klausmeyer MA, Jupiter JB. Abductor digiti minimi flap for vascularized coverage in the surgical management of complex regional pain syndrome following carpal tunnel release. Hand

Head L, Nessim C, Boyd KU. Innovative practice model to optimize utilization and improve access to care for high-risk and BRCA+ patients. Can J Surg

Peters DA, McKay DR, Boyd KU. Oral Exam: Facial Paralysis Syndactyly and Facial Trauma. Plast Surg


McMillan HJ, Torres C, Michaud J, Ying Y, Boyd KU. Bourque PR. Diagnosis and outcome of childhood perineurioma. Childs Nerv Syst

McKay DR, Peters DA. The Midas Touch: Gold and its role in the Global Economy. Plast Surg

Waltho D, Rockwell G. Post-breast surgery pain syndrome: establishing a consensus for the definition of post-mastectomy pain syndrome to provide a standardized clinical and research approach - a review of the literature and discussion. Can J Surg
Highlights from the Division

Dr. Kirsty Boyd

- **Collaboration**: Peripheral Nerve Trauma Centre with Gerald Wolff
- **Leadership**: President - Young Plastic Surgeons Committee (Canadian Society of Plastic Surgeons [CSPS]); Secretary & incoming president of Group for the Advancement of Microsurgery (GAM) Canada
- **Roles**: Junior Board Member, CSPS; Scientific Program Committee Member, CSPS; Member RCPSG Specialty Committee; Member RCPSG Surgical Foundations Committee; Editorial Board Member of Plastic Surgery (journal) Canada

Dr. Daniel Peters

- **Collaboration**: National Research Collaborative in Pediatric Craniofacial Surgery
- **Roles**: Examiner in Plastic Surgery at the Royal College; Chair of the Ross Tilley Foundation in Plastic Surgery; Associate Editor of Plastic Surgery; Member of Program Committee in Surgical Foundations at the Royal College

Dr. Sarah Shiga

- **Event**: Open practice at TOH in 2016; Research poster at the American Society for Surgery of the Hand (ASSH) Annual Meeting in San Francisco
- **Leadership**: Took the position of Undergraduate Medical Education Coordinator (UGME)

Dr. Claudia Malic

- **Volunteer Work**: Burn Surgery India
- **Recognition**: Canadian National Burns Symposium

Dr. Yvonne Ying

- **Volunteer Work**: Operation Smile; Uganda Plastic Surgery Training; Ottawa Surgical Outreach Clinic
- **Recognition**: “Meet the Expert” lecture on Global Surgery, Canadian Society of Plastic Surgery AGM
- **Leadership Roles**: Regional Representative on Royal College Surgical Foundations Specialty committee; Chair, Bethune Roundtable Conference

Dr. Gloria Rockwell

- **Volunteer Work**: Mentorship of young dancers (x6) and female residents (x3)
- **Collaboration**: UOttawa Department of Bioengineering: Dr. Marc Doumit (2 studies)
- **Role**: Member of ISAPS, EPSW

Dr. Daniel Peters

- **Collaboration**: National Research Collaborative in Pediatric Craniofacial Surgery
- **Roles**: Examiner in Plastic Surgery at the Royal College; Chair of the Ross Tilley Foundation in Plastic Surgery; Associate Editor of Plastic Surgery; Member of Program Committee in Surgical Foundations at the Royal College

Dr. Moein Momtazi

- **Volunteer Work**: Plastic Surgery Research Council Mentorship Committee; Course Director Chief Resident Review Course
- **Event**: Breast Reconstruction Awareness Day

Dr. Jing Zhang

- **Collaboration**: Working closely with the Breast Surgical Oncologists for a successful immediate breast reconstruction program

Awards

<table>
<thead>
<tr>
<th>Name</th>
<th>Award</th>
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<tbody>
<tr>
<td>Dr. Kirsty Boyd</td>
<td>Excellence in Teaching, Department of Surgery, University of Ottawa</td>
</tr>
<tr>
<td>Dr. Kevin Cheung</td>
<td>2017 CHEO Pilot Innovation Award (for Patient Facing Wait Time System in Ambulatory Clinics); 2017 CMA Joule Innovation Mentorship Award (for Flapp Tracker: Free Flap Monitoring using digital images); 2016 Bradley Endowment Fund</td>
</tr>
<tr>
<td>Dr. Moein Momtazi</td>
<td>Physician Leadership Grant</td>
</tr>
<tr>
<td>Dr. Daniel Peters</td>
<td>Department of Surgery Service Award (for completing term as Program Director)</td>
</tr>
<tr>
<td>Dr. Jing Zhang</td>
<td>Division of Plastic Surgery, Resident Teaching Award</td>
</tr>
</tbody>
</table>
High-impact Publications


French DG, Thompson C, Gilbert S. Transition from multiple port to single port video-assisted thoracoscopic anatomic pulmonary resection: early experience and comparison of perioperative outcomes. *Ann Cardiothorac Surg*


Collaborations and Highlights from the Division

In collaboration with the sons of the late Dr. Harold J. Sachs, a Legacy Endowment Fund at TOHF was established in 2016 to honour and celebrate Dr. Sachs’ career in Thoracic Surgery. With support from the Harold J. Sachs Visiting Professorship, the Division of Thoracic Surgery is able to welcome prestigious Thoracic Surgeons from around the world to speak at our annual Department of Surgery Grand Rounds.

Under Dr. Andrew Seely’s leadership, the Division of Thoracic Surgery will fulfill the role of the Canadian Association of Thoracic Surgeons (CATS) data management center for a nationwide surgical outcomes prospective database.

Dr. Donna Maziak has helped successfully implement the first lung cancer screening program in Ontario which has led to numerous presentations in the Champlain LHIN. She has also been instrumental in significantly reducing cancer wait times by improving access to consultation services for cancer patients and streamlining access to hospital diagnostic resources.

Dr. Donna Maziak

• **Leadership**: Surgical representative for the Board of Lung Cancer Canada; Program Chair of the 2018 International Mesothelioma Interest Group; Chair of the Communities of Practice Lung site
• **Sits on multiple panels**, including Program in Evidence-based Care, diagnostic lung and esophageal pathways, and the Report Approval Panel at Cancer Care Ontario.
• **Invited Speaker**: 21st Annual Atlantic Canada Oncology Group Symposium in Halifax.

Dr. Sebastien Gilbert

• **Leadership**: Program Chair, 2018 International Society for Minimally Invasive Cardiothoracic Surgery Meeting
• **Invited Speaker**: Asia Single Port VATS Symposium, Shanghai; Canadian Lung Cancer Conference, Vancouver; Symposium on prolonged air leak at European Society of Thoracic Surgeons, Austria.
• **Presenter**: International Society for Minimally Invasive Cardiothoracic Surgery, Rome; Immersion Course in Minimally Invasive Thoracic Surgery, Quebec City; American Association for Thoracic Surgery Centennial Meeting, Boston

Dr. Patrick James Villeneuve

• **Awards**: Excellence in Teaching Award and Research Program Award, DoS
• **Leadership**: Program Chair, 2018 Canadian Association of Thoracic Surgeons Meeting
• **Presenter**: World Conference on Lung Cancer, Yokohama Japan; Canadian Association of Thoracic Surgeons Annual Meeting, Victoria

Dr. Andrew Seely

• **Leadership**: Secretary/Treasurer of the Canadian Association of Thoracic Surgeons
• **Promoted**: Professor of Surgery

Division of Thoracic Surgery

• **Visiting Professor**: In June 2017, The Harold J Sachs Visiting Professorship in Thoracic Surgery welcomed: Benjamin Kozower MD, MPH, from the Department of Cardiothoracic Surgery, Washington University, St. Louis
• **Event**: An Evening of Hope, 4th Annual Fundraiser in support of Lung Cancer Canada, November 2016
Promotions

Dr. Rodney Breau
• Promoted to Associate Professor

High-impact Publications


Guerra L, Leonard M. Inguinoscrotal pathology. *Can Urol Assoc J*


Kobewka DM, McIsaac D, Chassé M, Thavorn K, Mulpuru S, Lavallée LT, English S, Pesseau J, Forster AJ. Risk assessment tools to predict location of discharge and need for supportive services for medical patients after discharge from hospital: a systematic review protocol. *Syst Rev*


Vigil HR, Mallick R, Nitti VW, Lavallée LT, Breau RH, Hickling DR. Risk Factors for Urinary Tract Infection following Mid Urethral Sling Surgery. *J Urol*
Highlights from the Division

Dr. Luke Lavallée
- **Collaborations:** Canadian Kidney Cancer information System; Frailty/Prehab study (McIsaac); RADICAL PC study (Johnson); PET-MUSE study (rad/med oncs at Cancer Centre)
- **Recognition:** CUASF Early Investigator Award
- **Awards:** CUASF Early Investigator Research Scholarship – “A comprehensive research program to improve outcomes and decision making for patients with complex localized renal tumors”; TOHAMO Quality/Patient Safety Grant – “A patient-centered decision aid and experience survey for choosing between partial & radical nephrectomy for complex localized renal tumors”; IQ@TOH Award – “Reducing over-testing for prostate cancer at TOH”

Dr. Melise Keays
- **Collaboration:** Society of Pediatric Urology, Standardizing Outcomes for Reporting in Hypospadias (Project Co-Lead)
- **Leadership:** American Urological Association Data Committee; EPIC Pediatric Urology Steering Board Member; EPIC Research Physician Champion

Dr. Chris Morash
- **Volunteer Work:** Speaker, participant Bladder Cancer Canada Annual Fundraising Walk, September 25, 2016; Speaker, guest at Welch Casino Night for Charity Nov. 9th, 2016, War Museum; Speaker, TOH Foundation Cancer Fundraising Event: Technology and Research in Oncology; Robotics Demonstration

Dr. James Watterson
- **Collaborations:** RCPSC Competence by Design Committee member, CBD Lead for Urology in Ottawa, responsible for the implementation of CBD starting in 2018.

Dr. Michael Leonard
- **Leadership:** Immediate Past President Canadian Urological Association; Representative Royal College Working Group for Pediatric Urology AFC

Dr. Luis Guerra
- **Leadership:** Chief of CHEO Pediatric Urology Division, Past-President Pediatric Urologists of Canada

Drs. Jeff Warren and Neal Rowe
- **Leadership:** Executive Board of the Urological Society for Transplantation and Renal Surgery

Research Collaboration
- **Paediatric Urology, Paediatric General Surgery Divisions and Pathology Department (Grant from CHAMO and CHEO Foundation)**
Division of Vascular Surgery

Sudhir Nagpal, MD FRCS(C) FACS
Division Head, Vascular Surgery

High-impact Publications


Leadership

Dr. Dalibor Kubelik
• Royal College Specialty Committee

Dr. Prasad Jetty
• Royal College Exam Committee.
International Society of Vascular Surgery Clinical Guideline Committee

Dr. Sudhir Nagpal
• Ontario Quality Based Procedure Committee, Vascular Care Working Group Ontario

Division Members

6 Vascular Surgeons
7 Vascular Residents
1 Vascular Fellow

Publications

12

Clinical Trials

8 Trials Currently Running
3 Actively Recruiting Patients
117 Patients Enrolled

National Capital Vascular Symposium: The Aorta

Saturday, May 6, 2017
The Westin Ottawa
11 Colonel By Drive | Ottawa, ON

Course Description
This 1-day symposium will provide an opportunity to discuss the current state of management of Diseases of the Aorta, including aneurysms and dissections. The program will include:

Didactic presentations
Panel discussions
Case presentations by leading international & Canadian Vascular Specialists

This symposium is ideal for practicing surgeons, interventionalists, fellows and residents. This year’s conference also coincides with Canada’s 150th celebration. Don’t miss the opportunity to participate in the festivities!

The Division of Vascular Surgery hosts annually a one-day symposium on the management of diseases of the aorta, including aneurysms and dissections.
Collaborations

- Canada’s First Multidisciplinary Limb Salvage Clinic
- Vascular Risk Factor Clinic
- Infectious Disease Inpatient Stewardship Rounds

International Recognition

- Top Poster at the world’s most influential vascular scientific meeting: A New “Angle” on Aortic Neck Angulation Measurement
- Mark Rockley, Adnan Hadziomerovic, Carl van Walraven, Oonagh Scallan, Prasad Jetty (Society of Vascular Surgery, San Diego 2017)

2017 Division of Vascular Surgery Staff with Visiting Professor, Dr. Julie Freishleg, Dean of Medicine at UC Davis, who presented “Clinical and Personal Comparative Effectiveness” at Surgical Grand Rounds.
Conference Organizers

The division organized the International Cancer Symposium held in Ottawa, which included international speakers, as well as those from across Canada and the US. Several speakers from the University of Ottawa, Division of Dentistry/Oral & Maxillofacial Surgery were also invited speakers.

Volunteers in the Community

Drs. Ararat and Butterfield organized a free clinic for the screening of head and neck cancer at Algonquin College, an event that has been held for the past two years. Four members of the division participated, donating 32 hours of clinical time to screen >200 patients.

Publications

Among the four publications released, one made a particular impact as the first of its kind in the specialty of dentistry/oral & maxillofacial surgery. Its objective was to determine the effect of maxillomandibular advancement (MMA) surgery (which is highly efficacious for the management of obstructive sleep apnea [OSA]) on patient-perceived quality of life. The study involved a retrospective cohort of patients treated with MMA surgery for OSA, who were assessed using the Ottawa Sleep Apnea Questionnaire and apnea hypopnea index. The study concluded that MMA surgery for OSA significantly improves patient’s subjective overall quality of life, with few MMA-surgery-related side effects.
### LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AAMC</td>
<td>Association of American Medical Colleges</td>
</tr>
<tr>
<td>AF</td>
<td>Atrial fibrillation</td>
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<tr>
<td>AFMC</td>
<td>Association of Faculties of Medicine of Canada</td>
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<tr>
<td>AFP</td>
<td>Alternate funding plan</td>
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<tr>
<td>ATLS</td>
<td>Advanced Trauma Life Support</td>
</tr>
<tr>
<td>CBD</td>
<td>Competency by design</td>
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<tr>
<td>CBME</td>
<td>Competency-based medical education</td>
</tr>
<tr>
<td>CHEO</td>
<td>Children’s Hospital of Eastern Ontario</td>
</tr>
<tr>
<td>CIP</td>
<td>Clinical Investigator Program</td>
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<tr>
<td>CUSP</td>
<td>Clinical Unit-based Safety Program</td>
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<tr>
<td>DIME</td>
<td>Department of Innovation in Medical Education</td>
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<tr>
<td>DME</td>
<td>Distributed medical education</td>
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<tr>
<td>DoS</td>
<td>Department of Surgery</td>
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<tr>
<td>EPA</td>
<td>Entrustable professional activities</td>
</tr>
<tr>
<td>FoM</td>
<td>Faculty of Medicine (at the University of Ottawa)</td>
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<tr>
<td>FTE</td>
<td>Full time equivalent</td>
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<tr>
<td>HI</td>
<td>Heart Institute (University of Ottawa Heart Institute)</td>
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<tr>
<td>ICES</td>
<td>Institute of Clinical Evaluative Sciences</td>
</tr>
<tr>
<td>MAC</td>
<td>Medical Advisory Committee</td>
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<td>MOU</td>
<td>Memorandum of understanding</td>
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<tr>
<td>NSQIP</td>
<td>National Surgical Quality Improvement Program</td>
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<tr>
<td>OSCE</td>
<td>Objective-structured clinical examination</td>
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<tr>
<td>PGY</td>
<td>Postgraduate year</td>
</tr>
<tr>
<td>POM</td>
<td>Peri-operative medicine</td>
</tr>
<tr>
<td>PSL5</td>
<td>Patient safety learning system</td>
</tr>
<tr>
<td>RI</td>
<td>Research Institute</td>
</tr>
<tr>
<td>SEAD</td>
<td>Surgical Exploration and Discovery</td>
</tr>
<tr>
<td>SF</td>
<td>Surgical Foundations</td>
</tr>
<tr>
<td>SSI</td>
<td>Surgical site infection</td>
</tr>
<tr>
<td>TOH</td>
<td>The Ottawa Hospital</td>
</tr>
<tr>
<td>TOHAMO</td>
<td>The Ottawa Hospital Academic Medical Organization</td>
</tr>
<tr>
<td>TRG</td>
<td>Translational research grant</td>
</tr>
<tr>
<td>UGME</td>
<td>Undergraduate medical education</td>
</tr>
<tr>
<td>uOSSC</td>
<td>University of Ottawa Skills and Simulation Centre</td>
</tr>
<tr>
<td>UOttawa</td>
<td>University of Ottawa</td>
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<tr>
<td>YTD</td>
<td>Year to date</td>
</tr>
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We used the following sources and website:

- University of Ottawa Heart Institute: Annual Report 2016/17
- UOttawa Faculty of Medicine: Research Office Annual Report 2015/16
- UOttawa Faculty of Medicine website (med.uottawa.ca/en)
- Wordclouds.com