

DIVISION OF PLASTIC, RECONSTRUCTIVE & AESTHETIC SURGERY

# NEWSLETTER

2020-2021



ISSUE 18



# At the forefront of plastic surgery

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innovation for more than 60 years

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| John Semple, "Waves at Long Beach in Tofino", Watercolour

# BALANCE

[ˈbʌl(ə)ns]

## NOUN

1. **an even distribution of weight enabling someone or something to remain upright and steady:**  
 “she lost her balance before falling”  
*synonyms:* stability, equilibrium, steadiness, footing
2. **a condition in which different elements are equal or in the correct proportions:**  
 “try to keep a balance between work and relaxation”  
*synonyms:* fairness, justice, impartiality, egalitarianism, equal opportunity
3. **an apparatus for weighing, especially one with a central pivot, beam, and a pair of scales.**  
*synonyms:* scale(s), weighing machine, weighbridge
4. **a counteracting weight or force.**  
*synonyms:* counterbalance, equipoise, counterweight, stabilizer, compensation, recompense, ballast, makeweight, countercheck



**Dr. Christopher R. Forrest**

Chair  
 Division of Plastic, Reconstructive  
 & Aesthetic Surgery

*Welcome to the 2021 Division of Plastic, Reconstructive and Aesthetic Surgery Annual Newsletter. I hope that you enjoy the chance to open the lid and peer into what is going on in our workspace. It always impresses me the breadth and scope of what we do.*

I also hope that this finds you in a good state of mind given the events of the past 18 months. It struck me that perhaps (in my life), the biggest impact of the pandemic has been my loss of balance. While I am more fortunate than most, the paucity of resource to do the job I like to do (operate), the lack of social contact at work as everyone now works from “home” and the evaporation of sport (squash and tennis) and travel (and escape) from my schedule has thrown me off-balance. There have been certainly worse things to deal with but nonetheless, I would say that the pandemic has created a seriousness to life that has slowly taken its toll on people’s mental health.

So why am I bringing this up for discussion? I chose the word “balance” as a headline for a reason. And I like definition number 2. A condition in which different elements are equal or in the correct proportions. I would say that as a surgeon, it is hard to achieve this as a steady state in our lives. It takes a tremendous amount of discipline. I would propose that most of us don’t have much balance when we are working. It’s not intrinsic to the work we do. OR schedules rarely run on-time, standard procedures can veer off-course, clinics often squeeze in more patients and being on call is always an adventure. I suspect that even those of you who function in private clinic settings with the most elective of practices know what I am referring to.



*“There is no such thing as work-life balance. Everything worth fighting for unbalances your life.”*

— Alain de Botton, philosopher and writer

However, as the world is starting to open up and restrictions relax, there is an anticipation of return to “normal”. I am an admirer of Globe and Mail columnist Andre Picard. He is an insightful writer who is well informed about our health care system and has the emotional distance to be truly critical of it and not be afraid to call us out from time to time. The OMA has just recently presented him with an Honorary Membership Award for 2021 “for outstanding service to the OMA, the medical profession, medical science or common good at the provincial level”. Well deserved, Mr. Picard (but I think a Starbucks gift card would have been a bit more useful). He often says that “a pandemic is a terrible thing to waste” and I agree.

So, I’m going out on a ledge here when I say I am not in favour of returning back to “normal”. There are several things pre-pandemic that I do not miss. Like having to rush from one meeting to the next across town. Or feeling guilty when I leave the hospital in the middle of the day.

I think that as a group of disruptive creatives, we can leverage opportunities arising from the pandemic to our best advantage. To me, one of the silver linings of the past 18 months has been the remarkable step-up of technology to allow access to the virtual world and people almost anywhere. It has also resulted in better levels of participation and the ability to connect and bring anyone in the world to your doorstep. It has also reduced a huge amount of stress in realizing that you have to be somewhere 10 minutes ago. Telemedicine and telecommunication have advanced tremendously. There are many things that we can do differently. Like being kinder to ourselves as a start.

So back to balance. I think this is a great time to evaluate what balance is in our lives and how we can get closer to it. Philosopher and writer Alain de Botton famously wrote “There is no such thing as work-life balance. Everything worth fighting for unbalances your life.” I understand his passion but optimistically feel that it can be done in an easier manner. Perhaps balance is more about control. And if the pandemic has taught us anything, it is how easy control can go askew.

So, I am interested to know where all this settles with you. Will you think about it? What will your new balance be? Will you take the opportunity and invest in evaluating ways to bring better health, satisfaction, happiness and security? I will, for sure.

One thing though. If I never have to hear “You’re on mute” again, it won’t be too soon.

As I finish, I just want to say a very special thankyou to the three “K’s” that are integral to the functioning and well-being of this division.

As Research Director, **Dr. Kristen Davidge** has done a terrific job of facilitating the research portfolio of the residents and enhancing the research profile of this division while at the same time setting the bar for excellence in her own area of research interest and establishing an international profile in the world of pediatric upper extremity and nerve surgery. Her accomplishments have not gone unnoticed as Kristen was awarded the George-Armstrong Peters Prize at Gallie Day this year for best productivity by a young investigator (our division has won this 3 times over the past 9 years). Check out the division list of publications and you will see her influence.

**Dr. Kyle Wanzel** continues to impress and excel as Program Director and successfully stickhandled the division through the Royal College assessment this past year with the highest possible ranking. This coming year, he will be shepherding the division through Competency by Design. Kyle’s dedication to ensuring the best possible experience for our learners is to be commended and the division is very fortunate to have someone with his experience and engagement at the helm.

And finally, Program Manager, **Kathy Pavlovic** continues to devote herself to the well-being and best interests of the division. We are very lucky to have someone with her organizational skills and maternal instincts to steward the division, especially during the past year.

Thank you to all of you.

With that, I hope you enjoy what we have to offer!

All the best,

**Christopher R. Forrest, MD, MSc, FRCSC, FACS**

*Chair, Division of Plastic, Reconstructive & Aesthetic Surgery*

*Chief, Division of Plastic and Reconstructive Surgery*

*Medical Director, HSC Centre for Craniofacial Care and Research*

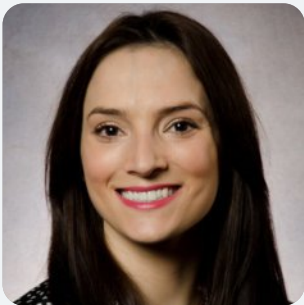
*Department of Surgery, Faculty of Medicine*

*University of Toronto*

## ARRIVALS TO THE DIVISION

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It has been a busy time for the division over the past year and I am delighted to announce the new arrivals. The talents of this group are simply mind-boggling and it is an honor to be able to recruit them all to the division.

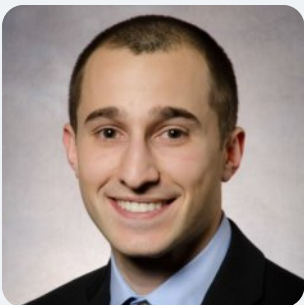


**Dr. Kathleen Armstrong**

### Women's College Hospital

*I am happy to announce the successful recruitment of Dr. Katie Armstrong to the faculty of Women's College Hospital. Katie is an alumna of the Toronto training program in Plastic, Reconstructive and Aesthetic Surgery and also a graduate of the Surgeon Scientist Training Program.*

She received her MSc in Health Services Research specializing in Health Economics at the Institute of Health Policy, Management and Evaluation at the University of Toronto. Katie has completed fellowships in Hand and Upper Extremity Surgery and Transition-Related Top Surgery with Dr. Hugh McLean. She will be joining Drs. John Semple and Mitch Brown at Women's College Hospital as an important member of their Transition-Related Surgery Program. Welcome back, Katie!



**Dr. Joseph Catapano**

### St. Michael's Hospital

*Joseph will be a welcome addition to the group at St. Michael's Hospital and has just completed a year hand fellowship at the prestigious Curtis National Hand Center in Baltimore. He obtained his MD degree in Ottawa and was the Gold Medalist in his graduating class before starting his residency in Plastic and Reconstructive Surgery in 2011 at the University of Toronto.*

During his time with us, he successfully completed training in the Surgeon-Scientist Training Program from 2013 to 2017 and obtained a PhD under the supervision of Dr. Greg Borschel at the Hospital for Sick Children with his thesis entitled "Corneal reinnervation to treat neurotrophic keratopathy". This ground-breaking and innovative work has represented a profound advancement in the prevention of blindness for patients with neurotrophic keratopathy and has been recognized with awards at national and international levels including the 2018 Clifford C. Snyder, MD – Past Chairman Award for Best Paper Presentation by a Resident at the Annual Meeting of the Plastic Surgery Research Council. Joe will be appointed as Surgeon-Investigator at St. Mikes and will have a broad practice with a focus on hand and upper extremity surgery. I would like to welcome Joe and his wife Inis and 3 children back to Toronto.

## ARRIVALS TO THE DIVISION

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**Dr. Andrea Chan**

### **The Hospital for Sick Children**

*Dr. Andrea Chan has been a member of the Toronto Western Hospital Hand Unit since 2019 but I am delighted to announce that she will be joining the Divisions of Orthopaedic Surgery and Plastic Surgery at the Hospital for Sick Children starting July 2021. Dr. Chan specializes in the management of the full spectrum of upper extremity disorders in children and adolescents.*

She will expand the existing collaborations between Orthopaedics and Plastics in further developing our upper extremity service. Andrea's research interests include Quality Improvement projects across surgery, as well as clinical innovation and outcomes in upper extremity reconstruction. Her clinical training includes an orthopaedic residency at University of Toronto, and upper extremity fellowships in London, Ontario and Cleveland, Ohio. She completed her MD at University of Toronto, and holds BSc and MA degrees in Forensic Science and Anthropology. She has published a history of pandemic influenza in Canada among numerous scholarly and clinical works. She is appointed as Assistant Professor at University of Toronto. Andrea will continue her appointment in the Hand Unit and spend 50% of her time there. It is a well needed addition to SickKids and I look forward to her involvement in the Congenital Hand and OBBP Programs. Welcome, Andrea!



**Dr. Eduardo Gus**

### **The Hospital for Sick Children**

*Eduardo joined the division at the Hospital for Sick Children in January 2021 and was recruited as a burn surgeon to assist in the Pediatric Burns Program but has also re-established an Adolescent Breast Surgery Program.*

Eduardo is originally from Brazil and graduated from Faculty of Medicine at Universidade Federal do Rio Grande do Sul (2004) followed by training in General Surgery at Hospital de Pronto Socorro de Porto Alegre (2005-2006) and Plastic Surgery residency at Hospital de Clínicas de Porto Alegre (2007-2010). After he finished his training, he worked as a community plastic surgeon in Brazil (2010-2016) before coming to Toronto to do a burn fellowship at the Ross Tilley Burn Centre, Sunnybrook Health Science Centre from 2016-2017. He subsequently completed a second clinical fellowship in breast reconstruction at the Toronto General Hospital from 2017-2018 and then spent a year as a pediatric plastic surgery fellow at the Hospital for Sick Children before being appointed as Burn Surgeon in Victorian Adult Burns Service, in Melbourne, Australia. Eduardo has an interest in clinical epidemiology and will be applying for the Clinical Epidemiology program at the Institute of Health Policy, Management and Evaluation (IHPE). The division is delighted to welcome Eduardo and his family back to Toronto.



## ARRIVALS TO THE DIVISION

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**Dr. Barbara Jemec**

### Trillium Health Partners

*Dr. Barbara Jemec joined the staff at the Trillium Health Sciences Unit this January. She was born in Copenhagen and completed her training as a Plastic Surgeon in the UK and was recently successful in obtaining her Canadian Fellowship qualifications.*

She has left a staff position at the Royal Free NHS Foundation Trust in London, England where she worked for the past 11 years. Barbara has a strong interest in global outreach and is the founder of the British Foundation of International Reconstructive Surgery and Training (BFIRST), which is the official charity of BAPRAS, and aims to train local surgeons in resource poor countries in relevant reconstructive surgery. Her clinical focus is on hand and upper extremity surgery with a specific interest in Dupuytren's disease for which she obtained her MD (Res) which is the equivalent of a PhD. The subject of her thesis was "Proliferation and the action of an anti-proliferative agent in Dupuytren's fibroblast cultures." Barbara is a Past-President of the Plastic Surgery Section of the Royal Society of Medicine and former Chair of the British Association of Plastic, Reconstructive and Aesthetic Surgeons Overseas Service & Training Committee. I have known Barbara through BAPRAS for several years and have always been impressed by her energy and enthusiasm. I am delighted to welcome her to the division and look forward to seeing how she can increase our profile in global outreach.



**Dr. Stephanie Mason**

### Ross Tilley Burn Unit, Sunnybrook Health Science Centre

*I am delighted to welcome Dr. Stephanie Mason to the Ross Tilley Burn Unit at Sunnybrook Health Science Centre. Stephanie will be appointed as a surgeon-scientist and will function as a unique hybrid in emergency general surgery and burns.*

Dr. Mason completed her medical training at the School of Medicine and Medical Science at University College Dublin Ireland in 2012. She returned to Toronto for residency training in General Surgery in the SSTP and received a PhD through the Institute of Health Policy, Management, and Evaluation University of Toronto on "A population-based evaluation of long-term outcomes following major burn injury" (supervisor Dr. Marc Jeschke) completing both in 2019. Dr. Mason completed a fellowship in burn, trauma and critical care at Harborview Medical Centre, Seattle, Washington. Stephanie's proposed research program will focus on the processes of care that are associated with long-term outcomes after burn injury. By integrating population-based datasets with local quality improvement databases and data gathered using qualitative methods, it is her hope to further our understanding of how to best care for burn injured patients, both from a systems perspective and at Sunnybrook Health Sciences Centre. Welcome, Stephanie!

## ARRIVALS TO THE DIVISION

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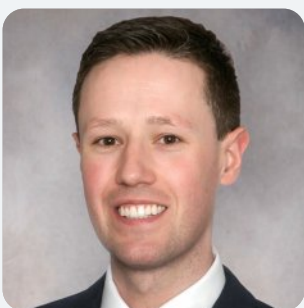


**Dr. Johanna Riesel**

### The Hospital for Sick Children

*I am very happy to welcome Dr. Johanna Riesel to the Hospital for Sick Children as division staff member to complement the craniofacial and cleft surgery program. Dr. Riesel graduated magna cum laude from Middlebury College where she graduated Phi Beta Kappa and with High Honors from the Neuroscience Department.*

She later graduated AOA from Vanderbilt University School of Medicine in 2010 where she was awarded the Dean's Award for the student who has contributed most profoundly to the School of Medicine community and the William H. Scott Award for the student with the most promise as a future surgeon. With a plan to become a pediatric surgeon, she matched as a categorical general surgery resident at Massachusetts General Hospital. She was also awarded "Best Resident Teacher" by the medical students. After completing three clinical years of general surgery training and two productive research years with Dr. John Meara in the Harvard Program in Global Surgery and Social Change as a Paul Farmer Global Surgery Fellow, she pursued her interest in plastic and reconstructive surgery, graduating from the Harvard Plastic Surgery Residency Program in 2019. She was a co-author on the Lancet Commission for safe surgery and has an accomplished academic record of global outreach in Ethiopia, Vietnam and Tanzania. Johanna completed a fellowship in pediatric craniofacial surgery at the Hospital for Sick Children in 2020 and a year as clinical associate within the division. She is currently pursuing a Master's of Health Professions Education through New York University/Maastricht University. Johanna has taken on the role of Division Resident Wellness Director and has some great ideas on ensuring the best possible experience for our trainees. Welcome Johanna!



**Dr. Adrian McArdle**

### Trillium Health Partners

*Welcome to Dr. Adrian McArdle who will be joining the group with Barbara at Trillium Health Partners in Mississauga with a clinical focus on breast surgery. Adrian is from Ireland and perhaps one of the best trained recruits for some time having completed a fellowship year at Sunnybrook Health Sciences Center in breast and microsurgery with Drs. Joan Lipa and Laura Snell.*

He has just finished another fellowship year in Pediatric Plastic Surgery at the Hospital for Sick Children. Before coming to Toronto, Adrian graduated from University College Dublin in 2009 with his medical degree and then spent 2 years as Postdoctoral Research Fellowship, Department of Surgery, Division of Plastic and Reconstructive Surgery, Stanford University, California under Dr. Michael Longaker's supervision. He obtained his Doctorate in Medicine (M.D. by thesis),

## ARRIVALS TO THE DIVISION

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University College Dublin on “The Role of Stem Cells in Osteogenesis in Regenerative Medicine” in 2014 and Professional Certificate in Healthcare Management Executive Development, Smurfit School of Business, University College Dublin in 2018. Adrian completed his training in Plastic Surgery and became a Fellow of the Royal College of Surgeons in Ireland (FRCSI) and Fellow of the European Board of Plastic, Reconstructive and Aesthetic Surgeons (FEBOPRAS) in 2019. It is a pleasure to have someone of Adrian’s calibre join the division.



**Dr. Dale Podolsky**

### The Hospital for Sick Children

*Dr. Dale Podolsky will be joining the Division of Plastic and Reconstructive Surgery at the Hospital for Sick Children this fall and we are delighted to welcome Dale, his wife Susan and two children back to Toronto. Dale obtained a BSc in Physics before completing a Bachelor of Engineering Science in Mechanical Engineering at Western University, London, Ontario in 2008. He pursued his medical training at the University of Toronto and then entered the program in Plastic and Reconstructive Surgery in 2012.*

During his time in our program, Dale successfully completed training in the Surgeon-Scientist Training Program through the Institute of Biomaterials and Biomedical Engineering in 2017 defending his doctoral thesis “Development and Evaluation of a High-Fidelity Cleft Palate Simulator for Surgical Training and for Development of a Robotic Approach to Infant Cleft Palate Surgery” (supervisors Drs. Jim Drake and Chris Forrest). After passing his Royal College Fellowship exams, Dale finished a year in Pediatric Craniofacial Surgery at Seattle Children’s Hospital under the supervision of TO alumnus Dr. Richard Hopper. Dale has had a remarkable career to date, developing and validating a high-fidelity cleft palate simulator for surgical training. The simulator was developed using patient imaging, three-dimensional printing, polymer and adhesive techniques to develop a highly realistic synthetic simulator that allows performance of an end-to-end cleft palate repair. The simulator underwent extensive validation trials, is patented, and is a commercial device that has been implemented globally in over 30 countries. He also developed and patented a novel 5 mm pin-jointed surgical robotic wristed instrument that can be coupled to a da Vinci EndoWrist. He was the founder of Simulare, a start-up company that specialized in high fidelity surgical simulation devices. Dale will be focusing his clinical practice in craniofacial and cleft surgery and microtia repair and will be appointed as Surgeon-Scientist developing robotic approaches to pediatric craniofacial and clefts surgery. Welcome, Dale!

## ACKNOWLEDGEMENTS

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Thanks to the following for all of their hard work in making the division the best it can be. This past year has required extra effort in managing the challenges of the pandemic and I would like to acknowledge the dedication and engagement of all of these individuals.

**Dr. Jamil Ahmad:** Resident Aesthetic Clinic Director, RPC, CBD Committee, Executive

**Dr. Ryan Austin:** Journal Club Coordinator, CBD Committee

**Dr. Trevor Born:** CBD Committee

**Dr. Karen Cross:** Resident Wellness Director

**Dr. Kristen Davidge:** Research Director, RPC

**Dr. Linda Dvali:** CanMeds Role - Health Advocate, RPC

**Dr. Jeff Fialkov:** RPC

**Dr. Craig Fielding:** CanMeds Role - Ethics and Professionalism, RPC

**Dr. Siba Haykal:** Senior Resident Education Director, RPC

**Dr. Katie Hicks:** Junior Resident Rep - RPC

**Dr. Stefan Hofer:** RPC

**Dr. Joan Lipa:** Senior Resident Education Director, RPC

**Dr. Mary Helen Mahoney:** RPC

**Dr. Steve McCabe:** RPC, CBD Committee

**Dr. Blake Murphy:** Junior Resident Education Coordinator, RPC, Executive

**Dr. Melinda Musgrave:** CanMeds Role - Collaborator, Undergraduate Medical Education Director, RPC, Executive

**Dr. Anne O'Neill:** CBD Committee

**Dr. John Phillips:** CanMeds Role - Leader

**Dr. Johanna Reisel:** Resident Wellness Director

**Dr. John Semple:** RPC

**Dr. Shar Shahrohki:** RPC

**Dr. Ron Somogyi:** CanMeds Role - Communicator

**Dr. Tara Lynn Teshima:** CBD Committee

**Dr. Kyle Wanzel:** Program Director, Chief CBD Committee, Executive

**Dr. Karen Wong-Riff:** M&M and QI Coordinator, Executive

**Dr. Toni Zhong:** Fellowship Director

**Dr. Kevin Zuo:** Senior Resident Rep - RPC

# ACKNOWLEDGEMENTS

## EDUCATION



- JOHN PHILLIPS – LEADER (FORMERLY KNOWN AS MANAGER) CANMEDS ROLE**
- CRAIG FIELDING - ETHICS AND PROFESSIONALISM CANMEDS ROLE**
- LINDA DVALI - HEALTH ADVOCATE CANMEDS ROLE**
- MELINDA MUSGRAVE - COLLABORATOR CANMEDS ROLE**
- RON SOMOGYI: COMMUNICATOR CANMEDS ROLE**
- JOAN LIPA: SENIOR RESIDENT EDUCATION COORDINATOR**
- KAREN WONG-RIFF – M&M COORDINATOR & QI DIRECTOR**
- BLAKE MURPHY – JUNIOR RESIDENT EDUCATION COORDINATOR**
- JAMIL AHMAD - DIRECTOR, RESIDENT AESTHETICS CLINIC**
- RYAN AUSTIN- JOURNAL CLUB**
- KAREN CROSS/JOHANNA REISEL - RESIDENT WELLNESS**



## RESIDENCY PROGRAM COMMITTEE



# ACKNOWLEDGEMENTS

## CBD COMMITTEE



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## EXECUTIVE



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# ACKNOWLEDGEMENTS



**Helen Rubtsov**



**Kathy Pavlovic**

Thanks to Helen Rubtsov and AR Studio for all of their creativity, imagination and hard work in making the division look smart and polished online and maintaining the website to the highest standard.

And of course, the entire division is grateful to Program Manager, Kathy Pavlovic for looking after us all!

## THANK YOU TO OUR INDUSTRY PARTNERS AND EF-CSPS

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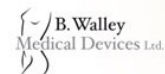
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MT MEDI: MICHAEL & MARINA TOROPOV



Canadian Society of Plastic Surgeons | Société Canadienne des Chirugiens Plasticiens



KEVIN SIMMONS

## TOP EDUCATORS

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Education is the raison d'être of being an academic surgeon and something we all do every day. However, I would like to recognize the following who achieved top Teaching Effectiveness Scores as recognized by undergraduate, postgraduate and fellow learners. Congratulations to you all!



## PHILANTHROPY

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**Effy Ordon**

*As the Chair, one of my top priorities is to engage our community of alumni, faculty and friends in support of the Division of Plastic, Reconstructive and Aesthetic Surgery's top academic priorities. Thanks to donor support, the Division is driving forward its mission to provide the best possible educational experience for its learners, enhance the platform for innovation and ground-breaking research, and support the work of our clinicians, researchers and trainees.*

This past year has been an exceptional one for philanthropic support from our community and I am most grateful to **Effy Ordon**, Senior Development Officer in the Temerty Faculty of Medicine Advancement Office for her remarkable dedication and hard work. This year, three new priorities were supported thanks to Effy and the generosity of champions from our divisional community.



**Dr. Wally Peters**

*Dr. Wally Peters (PhD) (MD 1972), FRCSC (1977) had a remarkable career as one of the first surgeon-scientists in the division with engagement in both academic and community practice. After establishing a focus on burn surgery at the Toronto General Hospital, he was integral in establishing the University of Toronto Adult Regional Burn Centre at the Wellesley Hospital where he was Division Chief and Burn Unit Director for nearly 20 years which is now the Ross Tilley Burn Centre at Sunnybrook Health Science Centre.*

He then led the Rosedale Centre for Plastic Surgery which is a unique private practice unit with a designated hospital license. During much of this time, his expertise in the silicone breast implant controversy was sought after and his reputation was international. Wally established a new award to support trainees in the Surgeon-Scientist Training Program and I am most grateful for his vision and support.



**Dr. Whitney Quong**

This is the first year the Dr. Wally Peters Surgeon Scientist Scholarship has been awarded and fittingly, it goes to **Dr. Whitney Quong** who is completing her PhD focusing on burn scars under the supervision of Dr. Joel Fish. Congratulations, Whitney!

## PHILANTHROPY

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### Nancy H. McKee Chair's Priority Fund Contributors

[Anonymous](#)

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### Dr. Nancy H. McKee Chair's Priority Fund

Thanks to a generous gift of \$200,000 from the Condliffe Family, I was delighted to announce the creation of the *Dr. Nancy H. McKee Chair's Priority Fund* at the University of Toronto this past April. The fund has been the brainchild of her husband **Toby Condliffe** and their three children **Keith, Elizabeth** and **Judy** and is intended to honor Dr. McKee's remarkable career as a clinician, surgeon-scientist, teacher, mentor, advocate and cherished member of the Division of Plastic, Reconstructive and Aesthetic Surgery. The fund will support education and research in the reconstructive surgical arena – Dr. McKee's specialty. Nancy had a remarkable 37-year career as the first female surgeon at Mount Sinai Hospital before retiring in 2016. She was celebrated by the Canadian Society of Plastic Surgeons with the Lifetime Achievement Award at the annual meeting in 2017. As a testament to Nancy's character and quality, the announcement of this award has generated a cascade of donors to support her fund as listed below. On behalf of the division, I would like to thank Toby, Keith, Elizabeth and Judy for their exceptional generosity and thanks to all who contributed to Nancy's fund.

## PHILANTHROPY

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### The Neville and Vivienne Poy Fund In Aesthetic Plastic Surgery

In June, I announced the creation of the *Neville and Vivienne Poy Fund in Aesthetic Plastic Surgery* as the result of a remarkably generous \$500,000 gift from **Dr. Neville** and the **Hon. Dr. Vivienne Poy**. This gift was established to annually support senior residents with expenses associated with actively participating in educational and experiential learning activities in Canada or abroad, specifically in the field of aesthetic plastic surgery. This gift benefits not just individual trainees but the specialty itself as it has influence in all areas of plastic surgery.

Dr. Neville Poy retired from his profession as a Plastic and Reconstructive Surgeon in 1995 after a remarkable career based out of Scarborough General Hospital. His clinical

expertise in aesthetic surgery, notably rhinoplasty, was shared on a regular basis at the annual Toronto Aesthetic Symposium created 50 years ago by Dr. W. R. N. Lindsay. His leadership and contributions in medical education and visual arts have been recognized through a number of awards including the Order of Canada, The Order of St John, Queen's Gold and Diamond Jubilee Medals, the Inaugural Lifetime Achievement Award from Scarborough General Hospital and The Chinese Canadian Legend Award.

The Hon. Dr. Vivienne Poy obtained a PhD in History from the University of Toronto and is an author, entrepreneur, historian, fashion designer, board member of for-profit and non-profit institutions and community activist. In 1998, she

## PHILANTHROPY

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was the first Canadian of Asian heritage to be appointed to the Senate of Canada. She is Chancellor Emerita of the University of Toronto. Vivienne is a recipient of many awards, as well as honorary degrees and professorship from universities in S. Korea, China, Hong Kong, U.S.A. and across Canada.

As the Chair, I personally wish to recognize the remarkable generosity of Neville and Vivienne in their continued efforts to enhance education and provide a focus on an essential part of our specialty. This is a gift that will resonate and impact

generations of trainees and I would like to thank them for this extraordinary offering. I am very much looking forward to using this fund to full advantage in the coming year and hope to provide Neville and Vivienne with some tangible examples of how it has been put to good use by our graduating senior residents.



**Dr. Wayne Carman**

### **Surgeon Scientist Scholarship Award**

*Last year, Dr. Wayne Carman (MD '75, MSc '79, FRCSC '82) established the Wayne Carman Surgeon Scientist Award which has been a catalyst in advancing the philanthropic mission of the division.*

Wayne was one of the original Surgeon-Scientist trainees and a member of the WK Lindsay "Chicken Club" comprised of a select group of residents who spent a year studying flexor tendon healing.



**Dr. Karen Chung**

This year's recipient of the Dr. Wayne Carman Surgeon Scientist Award is **Dr. Karen Chung** who is completing her PhD studying the application of health care utilities in low- and middle-income countries (Supervisors Drs. Beate Sander and Christopher Forrest). Congratulations, Karen!

# PHILANTHROPY



**Dr. Ken Smith**

*I would like to acknowledge the continued annual support of Dr. Ken and Gail Smith (Bozek) who have quietly contributed to the division over a number of years. Ken graduated from our program in 1990 and subsequently established his practice in Victoria, BC.*

I was fortunate to have Ken as a co-resident with me as he was a terrific “wing-man” and I was always inspired by his energy and drive. Steve Morris (Halifax), Ken and I bonded during our weekly study sessions in the summer of 1990 as the lead-up to the exam with Arianna Dal Cin (Hamilton). Many thanks Ken and Gail for your continued support!

And this was special!

## JOHN L. SEMPLE A SENSE OF PLACE OCTOBER 1 - 15, 2020



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# PHILANTHROPY

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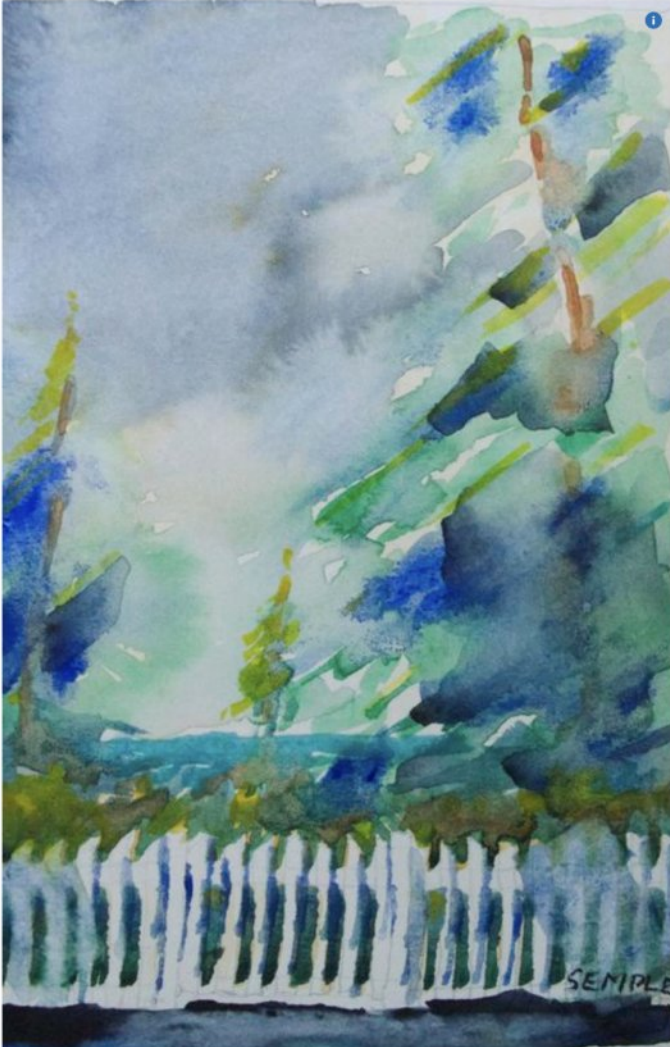
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VISUAL ARTS

## Surgeon turns his skilled hands to clarifying our perspective with art

By Deborah Dundas Books Editor  
Sat., Oct. 3, 2020 | 1 min. read




**Dr. John Semple**

*We all know that Dr. John Semple wears many hats: surgeon, administrator, artist, adventurer, climate scientist but now he can add another one, that of philanthropist!*

John displayed some of his work at his annual show with the help of Berenson Fine Art and donated the proceeds of this exhibit to the Division of Plastic, Reconstructive and Aesthetic Surgery to support the Surgeon-Scientist Training Program. Check out his Instagram account and the article in the Star below. Thank you so much, John!

<https://www.thestar.com/entertainment/visualarts/2020/10/03/surgeon-turns-his-skilled-hands-to-clarifying-our-perspective-with-art.html>

## PHILANTHROPY

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*If I have inspired any of you to consider making a gift to the division or are interested in learning more about ways to give, please feel free to contact Effy Ordon, myself or click below.*

Effy (Stephanie) Ordon, Senior Development Officer  
(647) 221-7596

[stephanie.ordon@utoronto.ca](mailto:stephanie.ordon@utoronto.ca)

[christopher.forrest@sickkids.ca](mailto:christopher.forrest@sickkids.ca)

<https://www.uoftplasticsurgery.ca/giving/>

# BEST PICTURES OF 2020-2021

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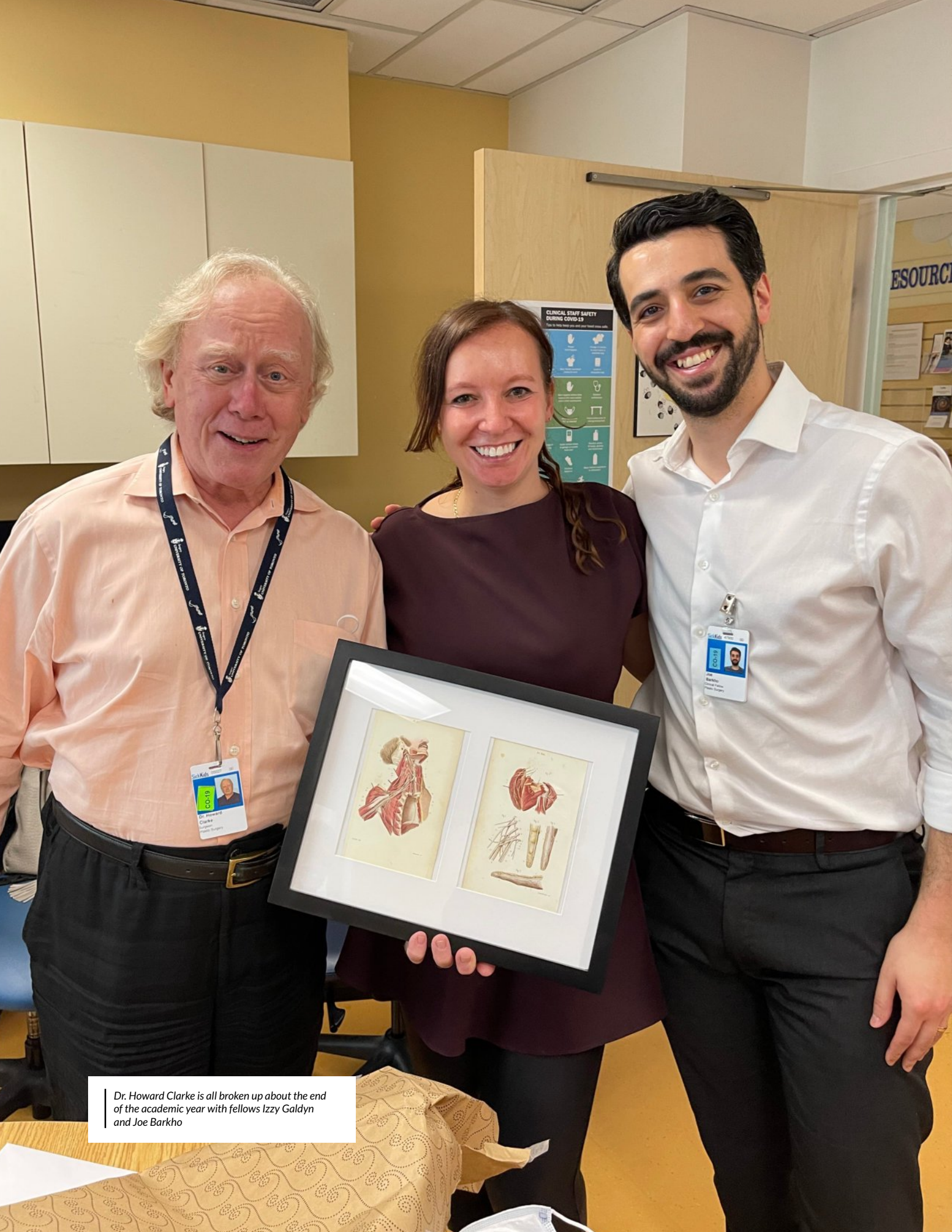


Channeling the iconic Abbey Road shot, the SickKids fellows crew stop traffic!  
Thanks to amazing SK photographer Dodge for this.





*I have said on many occasions that Plastic Surgeons have a photography gene in their DNA and it is a treat to highlight some of the best images that have come my way during the past year*



Dr. Howard Clarke is all broken up about the end of the academic year with fellows Izzy Galdyn and Joe Barkho

# BEST PICTURES OF 2020-2021



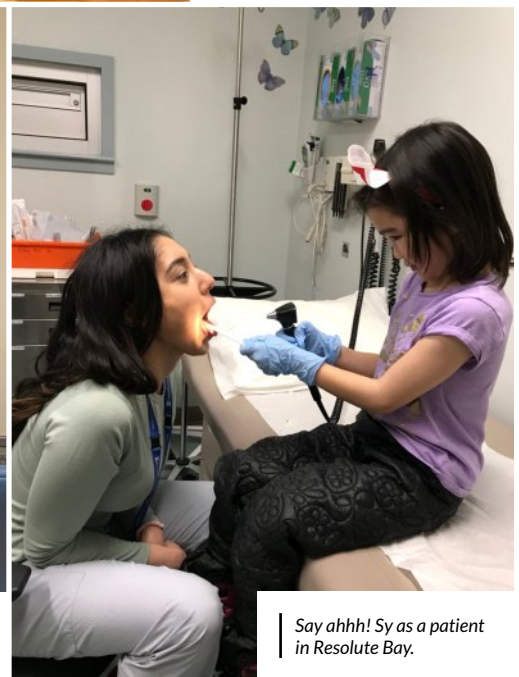
A Jamil Ahmad bobble-head - now available on Amazon!



Happy Birthday David Wallace! Not one, but two cakes!



Merry Clinic Christmas! Ian Loh, Diana Kennedy and CRF bring the season in style.



Say ahhh! Sy as a patient in Resolute Bay.





*It takes a village. The SickKids Burn team pulled out all the stops to save young Ryker who suffered a 60% TBSA burn early this year.*

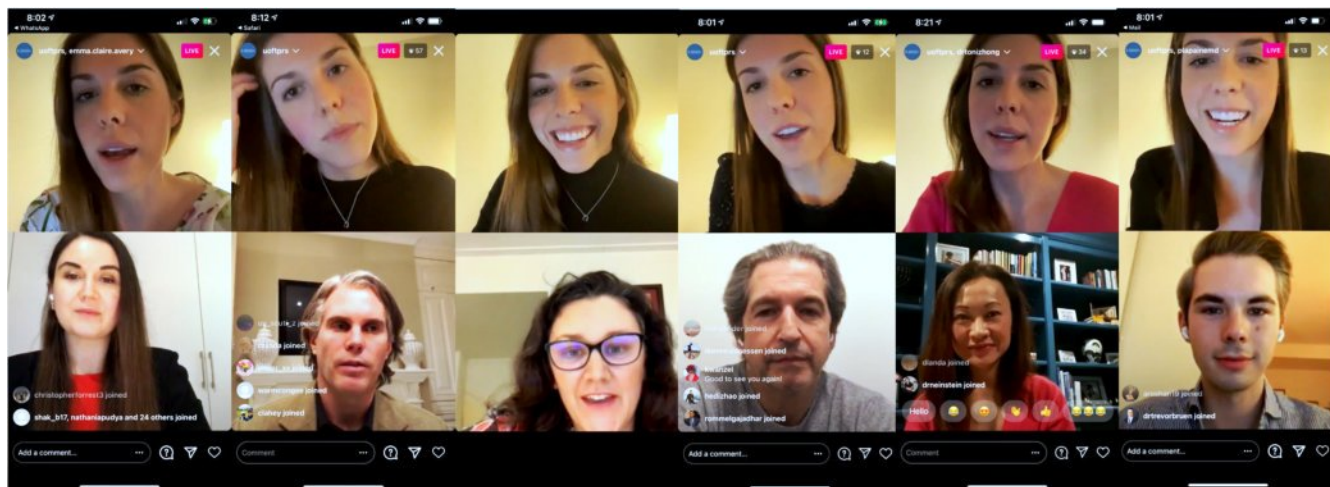


Funny to see you here! John Semple and Ron Zuker run into each other at a vaccination pop-up in Scarborough.

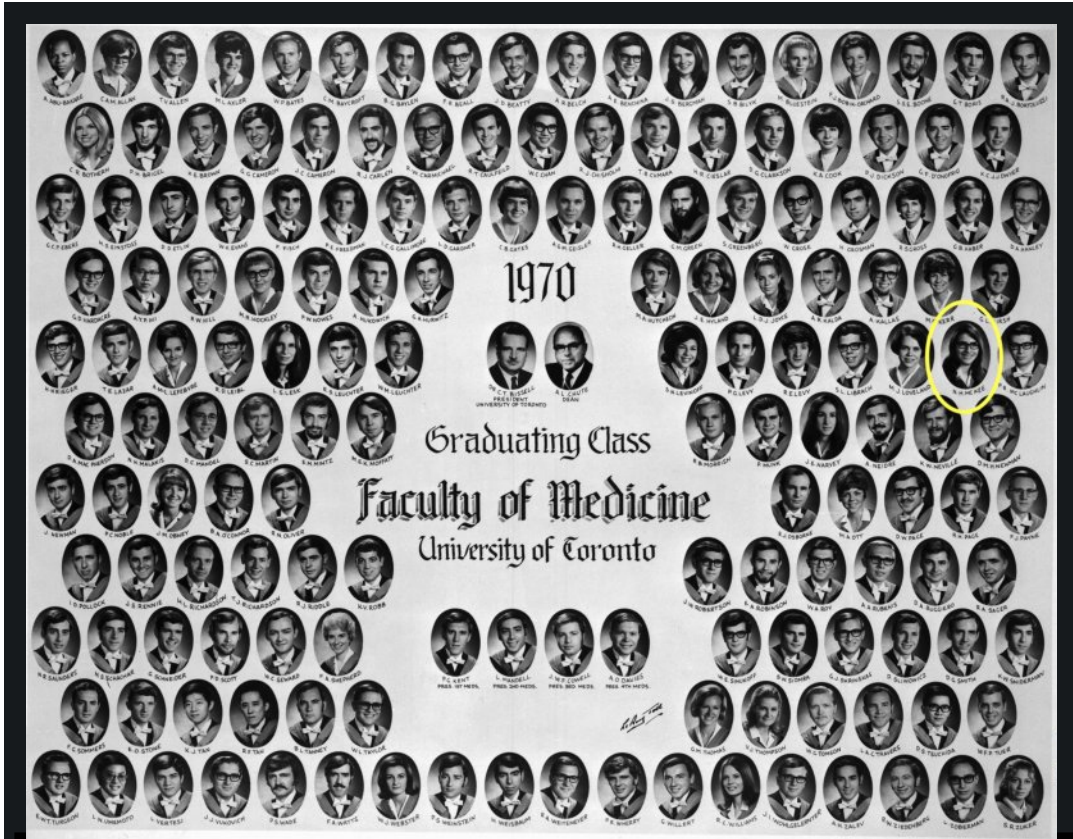
# BEST PICTURES OF 2020-2021



Former SickKids fellow *Phuong Nguyen* shredding it at Joe Biden's inauguration



It's the *Dr. Katie Hicks* show... live on Instagram!



Check out Dr. Nancy McKee (second row left) attending a Zoom 50th UofT class reunion





# BEST PICTURES OF 2020-2021



PGY-4 Adam Mosa celebrating winning the D.R. Wilson award for best resident teacher with his daughter Sophia



Boot Camp anyone? PGY-1's George Ho, Darby Little and Chloe Wong figure out the essentials of cast application.

# BEST PICTURES OF 2020-2021



Kevin and Sy helping out during the Medical Student Career Zoom event



Dr. Kristen Davidge has an attack of the giggles during a division zoom meeting with Dr. Joel Fish adopting the traditional Fisher OR head gear



## BEST PICTURES OF 2020-2021

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*It's a craniofacial thing. This year's winners of the random draw for attending the CSPA annual business meeting just happened to be former SickKids Craniofacial Fellow Dr. Andree-Anne Roy (Montreal) and SickKids Craniofacial Surgeon, Chris Forrest! Random! Seriously!*

NO MORE  
THE FELLOWS



**IT'S OVER!  
BURN CALL AT SICKKIDS!  
FROM 2020-21 SAY GOODBYE!**



## DIVISION PUBLICATIONS 2020-2021

*Congratulations to all authors for such a productive period from the division listing almost 200 peer-reviewed publications with topics ranging from adipocyte browning in burns to air quality in the Himalayas.*

### **Recommendations for Patients with Complex Nerve Injuries during the COVID-19 Pandemic.**

Chapman KM, Berger MJ, Doherty C, Anastakis DJ, Baltzer HL, Boyd KU, Bristol SG, Byers B, Chan KM, Cunningham CJB, Davidge KM, Dengler J, Elzinga K, Giuffre JL, Hadley L, Harrop AR, Hashemi M, Hendry JM, Jack KL, Krauss EM, Lapp TJ, Larocerie J, Lin JC, Miller TA, Morhart M, Novak CB, O'Connor R, Olsen JL, Ritsma BR, Robinson LR, Ross DC, Schrag C, Seal A, Tang DT, Trier J, Wolff G, Yeung J. *Can J Neurol Sci.* 2021 Jan;48(1):50-55. doi: 10.1017/cjn.2020.191. Epub 2020 Aug 27. PMID: 32847634

### **Canadian Plastic Surgery Resident Operative Experience in Hand Surgery.**

Yeung C, Shih JG, Knox ADC, Zhygan N, Courtemanche DJ, Fish JS, Brown MH, Anastakis DJ. *Hand Surg Am.* 2020 Sep;45(9):820-829. doi: 10.1016/j.jhsa.2020.05.005. Epub 2020 Jul 8. PMID: 32653104

### **Secondary Effects of Radiation Therapy to the Hand for Benign Conditions.**

Steen K, Hayward V, Novak C, Anastakis D, McCabe S. *Hand (N Y).* 2020 May;15(3):341-347. doi: 10.1177/1558944718810891. Epub 2018 Nov 12. PMID: 30417691

### **Peripheral Nerve Focused Ultrasound Lesioning- Visualization and Assessment Using Diffusion Weighted Imaging.**

Walker MR, Zhong J, Wasp AC, Piorkowska K, Nguyen LN, Anastakis DJ, Drake JM, Hodaie M. *Front Neurol.* 2021 Jul 9;12:673060. doi: 10.3389/fneur.2021.673060. eCollection 2021. PMID: 34305786

### **Comparative Cost-Effectiveness of Cranioplasty Implants.**

Binhammer A, Jakubowski J, Antonyshyn O, Binhammer P. *Plast Surg (Oakv).* 2020 Feb;28(1):29-39. doi: 10.1177/2292550319880922. Epub 2019 Oct 24. PMID: 32110643

### **Best Practice Guidelines for the Management of Acute Craniomaxillofacial Trauma During the COVID-19 Pandemic.**

DeSerres JJ, Al-Shaqsi SZ, Antonyshyn OM, Fialkov JA. *J Craniofac Surg.* 2020 Sep;31(6):e626-e630. doi: 10.1097/SCS.0000000000006654. PMID: 32404623

### **Surgical Sparing and Pairing Endovascular Interventions for Carotid-Cavernous Fistula: Case Series and Review of the Literature.**

Brenna CTA, Priola SM, Pasarikovski CR, Ku JC, Daigle P, Gill HS, DeSerres JJ, Antonyshyn O, Da Costa L, Yang V. *World Neurosurg.* 2020 Aug;140:18-25. doi: 10.1016/j.wneu.2020.05.013. Epub 2020 May 11. PMID: 32437988

### **Decision-Making in Adult Cranial Vault Reconstruction.**

Brichacek M, Antonyshyn O, Edwards G, Mainprize JG, da Costa L. *Plast Reconstr Surg.* 2021 Jul 1;148(1):109e-121e. doi: 10.1097/PRS.0000000000008058. PMID: 3418161

### **Radiation for below the knee skin cancers: a single institution experience.**

Barnes EA, Sinclair E, Assaad D, Fialkov J, Antonyshyn O, Tsao MN. *J Dermatolog Treat.* 2020 Sep;31(6):563-566. doi: 10.1080/09546634.2019.1641582. Epub 2019 Jul 22. PMID: 31294616

### **Cost-Effectiveness Analysis of Motion-Preserving Operations for Wrist Arthritis.**

Retrouvey H, Sander B, von Schroeder HP, Binhammer P, Baltzer HL. *Plast Reconstr Surg.* 2020 Nov;146(5):588e-598e. doi: 10.1097/PRS.0000000000007260. PMID: 33141535

### **Plastic changes in the brain after human hand allotransplantation.**

Ni Z, McCabe S, Novak C, Baltzer HL, Jegatheeswaran G, Isayama R, Vesia M, Gunraj C, Saha U, Hallett M, Chen R. *Neurology.* 2020 Sep 22;95(12):547-550. doi: 10.1212/WNL.0000000000010583. Epub 2020 Aug 13. PMID: 32796128

### **Identifying priorities and developing strategies for building capacity in amputation research in Canada.**

Hitzig SL, Mayo AL, Kayssi A, Viana R, MacKay C, Devlin M,



## DIVISION PUBLICATIONS 2020-2021

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Dilkas S, Domingo A, Hebert JS, Miller WC, Andrysek J, Azhari F, Baltzer HL, de Mestral C, Dittmer DK, Dudek NL, Grad S, Guilcher SJT, Habra N, Hunter SW, Journeay WS, Katz J, King S, Payne MW, Underwood HA, Zariffa J, Aternali A, Atkinson SL, Brooks SG, Cimino SR, Rios J. *Disabil Rehabil*. 2020 Feb 8;1-11. doi: 10.1080/09638288.2020.1720831. Online ahead of print. PMID: 32036731

### **Direct and indirect utilities of patients with mild to moderate versus severe carpal tunnel syndrome.**

Wang AMQ, Retrouvey H, Krahn M, McCabe SJ, Baltzer HL. *J Hand Surg Eur Vol*. 2020 Oct;45(8):832-837. doi: 10.1177/1753193420922791. Epub 2020 May 7. PMID: 32380923

### **Effect of vasopressor use on digit survival after replantation and revascularization-A large retrospective cohort study.**

Retrouvey H, Makerewich JR, Solaja O, Giuliano AM, Niazi AU, Baltzer HL. *Microsurgery*. 2020 Jan;40(1):5-11. doi: 10.1002/micr.30461. Epub 2019 Apr 16. PMID: 30990924

### **Prevention and Treatment of Nerve Injuries in Shoulder Arthroplasty.**

Florczyński M, Paul R, Leroux T, Baltzer H. *J Bone Joint Surg Am*. 2021 May 19;103(10):935-946. doi: 10.2106/JBJS.20.01716. PMID: 33877057

### **Psychometric Validation of the FACE-Q Craniofacial Module for Facial Nerve Paralysis.**

Klassen AF, Rae C, Gallo L, Norris JH, Bogart K, Johnson D, Van Laeken N, Baltzer HL, Murray DJ, Hol MLF, O T, Wong Riff KWY, Cano SJ, Pusic AL. *Facial Plast Surg Aesthet Med*. 2021 Apr 7. doi: 10.1089/fpsam.2020.0575. Online ahead of print. PMID: 33826408

### **Trends in Digital Replantation: 10 Years of Experience at a Large Canadian Tertiary Care Center: Les tendances de la replantation digitale : dix ans d'expérience d'un grand centre canadien de soins tertiaires.**

Solaja O, Retrouvey H, Baltzer H. *Plast Surg (Oakv)*. 2021 Feb;29(1):21-29. doi: 10.1177/2292550320925914. Epub 2020 Jul 20. PMID: 33614537

### **Can We Reach a Consensus on the Appropriate Use of Before and After Photos in Breast Surgery?**

Valiquette CR, Forrest CR, Kasrai L, Wanzel KR, Martou G, Beber BA, Semple JL, Constantine T, Ho ES, Somogyi

RB. *Plast Reconstr Surg Glob Open*. 2021 Jul 16;9(7):e3682. doi: 10.1097/GOX.0000000000003682. eCollection 2021 Jul. PMID: 34285856

### **Outcomes of Secondary Combined Proximal Interphalangeal Joint Release and Zone II Flexor Tenolysis.**

Zuo KJ, Saggaf M, von Schroeder HP, Binhammer P. *Hand (N Y)*. 2020 Jul;15(4):502-508. doi: 10.1177/1558944719828005. Epub 2019 Feb 14. PMID: 30762432

### **Hot Topics in Breast Surgery.**

Austin RE, Lista F, Ahmad J. *Clin Plast Surg*. 2021 Jan;48(1):131-139. doi: 10.1016/j.cps.2020.09.004. Epub 2020 Nov 3. PMID: 33220900 Review.

### **Commentary on: Decision Making in Preservation Rhinoplasty: A 100 Case Series With One-Year Follow-Up.**

Ahmad J. *Aesthet Surg J*. 2020 Jan 1;40(1):49-52. doi: 10.1093/asj/sjz257. PMID: 31621820

### **The Impact of Skin Care Product Sales in an Aesthetic Plastic Surgery Practice.**

Austin RE, Ahmad J, Lista F. *Aesthet Surg J*. 2020 Feb 17;40(3):330-334. doi: 10.1093/asj/sjz105. PMID: 30957175

Evidence-Based Performance Measures for Rhinoplasty: A Multidisciplinary Performance Measure Set.

Manahan MA, Fedok F, Davidson C, Ahmad J, Constantinides M, Davis R, Friedman O, Gilman R, Ishii L, Keyes G, Lin SJ, Marcus B, Matarasso A, Most SP, Quereshey F, Sinno S, Steinbacher D, Tollefson T, Rohrich RJ. *Plast Reconstr Surg*. 2021 Feb 1;147(2):222e-230e. doi: 10.1097/PRS.0000000000007598. PMID: 33235037

### **Does Implant Surface Texture Affect the Risk of Capsular Contracture in Subglandular Breast Augmentation and Breast Augmentation-Mastopexy?**

Lista F, Austin RE, Saheb-Al-Zamani M, Ahmad J. *Aesthet Surg J*. 2020 Apr 14;40(5):499-512. doi: 10.1093/asj/sjz241. PMID: 31529039

## DIVISION PUBLICATIONS 2020-2021

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**Commentary on: Transitioning From Conventional Textured to Nanotextured Breast Implants: Our Early Experience and Modifications for Optimal Breast Augmentation Outcomes.**

Austin RE, Ahmad J, Lista F. *Aesthet Surg J*. 2021 Jan 25;41(2):196-199. doi: 10.1093/asj/sjaa288.PMID: 33179731

**Commentary on: The Impact of Facial Asymmetry on the Surgical Outcome of Crooked Nose: A Case Control Study.**

Ahmad J. *Aesthet Surg J*. 2021 May 18;41(6):NP295-NP299. doi: 10.1093/asj/sjab023.PMID: 33821936

**Commentary on: Practice Management Knowledge Amongst Plastic Surgery Residents in Canada: A National Survey.**

Ahmad J, Lista F. *Aesthet Surg J Open Forum*. 2020 Aug 12;2(3):ojaa040. doi: 10.1093/asjof/ojaa040. eCollection 2020 Sep.PMID: 33791658

**Commentary on: Five Year Safety and Satisfaction With the Lightweight Breast Implant.**

Ahmad J, Austin RE, Lista F. *Aesthet Surg J*. 2021 Mar 29:sjab154. doi: 10.1093/asj/sjab154. Online ahead of print.PMID: 33780528

**Role of electrodiagnosis in nerve transfers for focal neuropathies and brachial plexopathies.**

Robinson LR, Binhammer P. *Muscle Nerve*. 2021 Jul 31. doi: 10.1002/mus.27376. Online ahead of print.PMID: 34331718

**Assessing New Technologies in Surgery: Case Example of Acute Primary Repair of the Thumb Ulnar Collateral Ligament.**

Dekirmendjian A, Retrouvey H, Jakubowski J, Sander B, Binhammer P. *J Hand Surg Am*. 2021 Jun 3:S0363-5023(21)00197-0. doi: 10.1016/j.jhssa.2021.03.021. Online ahead of print.PMID: 34092414

**Why Do We Need Anatomical Implants? the Science and Rationale for Maintaining Their Availability and Use in Breast Surgery.**

Montemurro P, Adams WP Jr, Mallucci P, De Vita R, Layt C, Calobrace MB, Brown MH, Nava MB, Teitelbaum S, Del Yerro JLM, Bengtson B, Maxwell GP, Hedén P. *Aesthetic Plast Surg*. 2020 Apr;44(2):253-263. doi: 10.1007/s00266-019-01595-z. Epub 2020 Jan 2.PMID: 31897627

**Variable Experience in Microsurgery and Flap-Based Procedures Among Canadian Plastic Surgery Residents.**

Yeung C, Shih JG, Knox ADC, Zhygan N, Courtemanche DJ, Fish JS, Brown MH. *J Surg Educ*. 2020 Nov-Dec;77(6):1623-1631. doi: 10.1016/j.jsurg.2020.04.012. Epub 2020 Jun 10.PMID: 32532696

**Invited Discussion on: The First Use of Human-Derived ADM in Prepectoral Direct-to-Implant Breast Reconstruction after Skin-Reducing Mastectomy.**

Brown MH, Gencarelli J. *Aesthetic Plast Surg*. 2021 May 24. doi: 10.1007/s00266-021-02359-4. Online ahead of print.PMID: 34031736

**Resident Exposure to Aesthetic Surgical and Non-Surgical Procedures During Canadian Residency Program Training.**

Quong WL, Shih JG, Knox ADC, Zhygan N, Fish JS, Courtemanche DJ, Brown MH. *Aesthet Surg J*. 2021 Feb 23:sjab031. doi: 10.1093/asj/sjab031. Online ahead of print.PMID: 33621340

**A Review on the Use of Plasma During Acute Burn Resuscitation.**

Cartotto R, Callum J. *J Burn Care Res*. 2020 Feb 19;41(2):433-440. doi: 10.1093/jbcr/irz184.PMID: 31734693

**The use of vasopressors during acute burn resuscitation.**

Adibfar A, Camacho F, Rogers AD, Cartotto R. *Burns*. 2021 Feb;47(1):58-66. doi: 10.1016/j.burns.2020.09.005. Epub 2020 Oct 3.PMID: 33293152

**Early Acute Kidney Injury Following Major Burns.**

Ho G, Camacho F, Rogers A, Cartotto R. *J Burn Care Res*. 2021 Mar 4;42(2):126-134. doi: 10.1093/jbcr/iraa123.PMID: 32745167

**Updating the Burn Center Referral Criteria: Results From the 2018 eDelphi Consensus Study.**

Bettencourt AP, Romanowski KS, Joe V, Jeng J, Carter JE, Cartotto R, Craig CK, Fabia R, Vercruyse GA, Hickerson WL, Liu Y, Ryan CM, Schulz JT. *J Burn Care Res*. 2020 Sep 23;41(5):1052-1062. doi: 10.1093/jbcr/iraa038.PMID: 32123911

## DIVISION PUBLICATIONS 2020-2021

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### **A Systematic Review of Quality Improvement Interventions in Burn Care.**

Rogers AD, Wallace DL, Cartotto R.J Burn Care Res. 2021 Aug 4;42(4):810-816. doi: 10.1093/jbcr/irab006.PMID: 33481999

### **The Impact of COVID-19 on Burn Care at a Major Regional Burn Center.**

Rogers AD, Cartotto R.J Burn Care Res. 2021 Feb 3;42(1):110-111. doi: 10.1093/jbcr/iraa181.PMID: 33057612

### **Corrigendum to: Early Acute Kidney Injury Following Major Burns.**

Ho G, Camacho F, Rogers A, Surg FCP, Cartotto R.J Burn Care Res. 2021 Mar 4;42(2):350. doi: 10.1093/jbcr/iraa215.PMID: 33492384

### **Orbital Compartment Syndrome Following Major Burn Resuscitation: A Case Series and Survey of Practice Patterns.**

Vrouwe SQ, Zuo KJ, Grotski CH, Tredget EE, Chew HF, Cartotto R.J Burn Care Res. 2021 Mar 4;42(2):193-199. doi: 10.1093/jbcr/iraa126.PMID: 32818243

### **Flap coverage for necrotising soft tissue infections: A systematic review.**

Somasundaram J, Wallace DL, Cartotto R, Rogers AD. Burns. 2021 Feb 3;S0305-4179(21)00012-7. doi: 10.1016/j.burns.2021.01.005. Online ahead of print.PMID: 34172327

### **The Effect of Forearm Position on Wrist Joint Biomechanics.**

Padmore CE, Chan AHW, Langohr GDG, Johnson JA, Suh N.J Hand Surg Am. 2021 May;46(5):425.e1-425.e10. doi: 10.1016/j.jhssa.2020.10.017. Epub 2020 Dec 7.PMID: 33303325

### **Medial elbow exposure: an anatomic comparison of 5 approaches.**

Huang AL, Hackl M, Chan AHW, Axford DT, Athwal GS, King GJW.J Shoulder Elbow Surg. 2021 Mar;30(3):512-519. doi: 10.1016/j.jse.2020.06.031. Epub 2020 Jul 7.PMID: 32650084

### **A Biomechanical Evaluation of the ECRL Tenodesis for Reconstruction of the Scapholunate Ligament.**

Chan AHW, Padmore CE, Langhor DG, Grewal R, Johnson JA, Suh N.J Hand Surg Am. 2021 Mar;46(3):244.e1-244.e11. doi: 10.1016/j.jhssa.2020.08.021. Epub 2020 Nov 6.PMID: 33162272

### **Long-Term Hand Function Outcomes of the Surgical Management of Complete Brachial Plexus Birth Injury.**

Morrow BT, Harvey I, Ho ES, Clarke HM.J Hand Surg Am. 2021 Jul;46(7):575-583. doi: 10.1016/j.jhssa.2021.03.008. Epub 2021 May 19.PMID: 34020842

### **Shared decision making in youth with brachial plexus birth injuries and their families: A qualitative study.**

Ho ES, Parsons JA, Davidge KM, Clarke HM, Wright FV.Patient Educ Couns. 2021 Mar 15:S0738-3991(21)00188-9. doi: 10.1016/j.pec.2021.03.017. Online ahead of print.PMID: 33766450

### **Surgical Reconstruction of Isolated Upper Trunk Brachial Plexus Birth Injuries in the Presence of an Avulsed C5 or C6 Nerve Root.**

Davidge KM, Ho ES, Curtis CG, Clarke HM.J Bone Joint Surg Am. 2021 Jul 21;103(14):1268-1275. doi: 10.2106/JBJS.20.01379.PMID: 33750752

### **Surgical Reconstruction of Isolated Upper Trunk Brachial Plexus Birth Injuries in the Presence of an Avulsed C5 or C6 Nerve Root.**

Davidge KM, Ho ES, Curtis CG, Clarke HM.J Bone Joint Surg Am. 2021 Mar 18. doi: 10.2106/JBJS.20.01359. Online ahead of print.PMID: 33735149

### **Nerve Entrapments.**

Jacobson L, Dengler J, Moore AM.Clin Plast Surg. 2020 Apr;47(2):267-278. doi: 10.1016/j.cps.2019.12.006.PMID: 32115052

### **Developing a Decision Aid for Youth with Brachial Plexus Birth Injuries Facing Treatment Decisions for an Elbow Flexion Contracture.**

Ho ES, Parsons JA, Davidge K, Clarke HM, Lawson ML, Wright FV.PM R. 2021 Jul 14. doi: 10.1002/pmrj.12677. Online ahead of print.PMID: 34259390

## DIVISION PUBLICATIONS 2020-2021

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### **Topical Oxygen Therapy Shifts Microbiome Dynamics in Chronic Diabetic Foot Ulcers.**

Hunter P, Greco E, Cross K, Perry J. *Wounds*. 2020 Mar;32(3):81-85. PMID: 32163040

### **Patient-reported experience measures are essential to improving quality of care for chronic wounds: An international qualitative study.**

Squitieri L, Tsangaris E, Klassen AF, van Haren ELWG, Poulsen L, Longmire NM, van Alphen TC, Hoogbergen MM, Sorensen JA, Cross K, Pusic AL. *Int Wound J*. 2020 Aug;17(4):1052-1061. doi: 10.1111/iwj.13374. Epub 2020 Apr 21. PMID: 32320141

### **International mixed methods study protocol to develop a patient-reported outcome measure for all types of chronic wounds (the WOUND-Q).**

Klassen A, van Haren EL, Cross K, Fan KL, Gibbons C, Hoogbergen MM, Longmire NM, Poulsen L, Sorensen JA, Squitieri L, Tsangaris E, van Alphen TC, van Dishoeck AM, Vasilic D, Pusic AL. *BMJ Open*. 2020 Mar 25;10(3):e032332. doi: 10.1136/bmjopen-2019-032332. PMID: 32217558

### **Obstetrical brachial plexus injury (OBPI): Canada's national clinical practice guideline.**

Coroneos CJ, Voineskos SH, Christakis MK, Thoma A, Bain JR, Brouwers MC; Canadian OBPI Working Group. *BMJ Open*. 2017 Jan 27;7(1):e014141. doi: 10.1136/bmjopen-2016-014141. PMID: 28132014

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### **Retrospective Study of Patients With SJS/TEN Treated at a Tertiary Burn Unit in Canada: Overview of 17 Years of Treatment.**

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### **Development and validation of a screening tool for early identification of bloodstream infection in acute burn injury patients.**

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### **Correction to: Skin regeneration is accelerated by a lower dose of multipotent mesenchymal stromal/ stem cells-a paradigm change.**

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### **Assessment of 3-Dimensional vs 2-Dimensional Imaging and Technical Performance Using a Multiport Intraoperative Data Capture and Analytic System for Patients Undergoing Laparoscopic Roux-en-Y Gastric Bypass Surgery.**

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### **State of Gender Diversity and Equity Policies within Plastic and Reconstructive Surgery in Canada.**

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### **Concurrent Prophylactic Mastectomy, Immediate Reconstruction, and Salpingo-Oophorectomy in High-Risk Patients: A Case Series.**

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### **Extremity Mobilization After Split-Thickness Skin Graft Application: A Survey of Current Burn Surgeon Practices.**

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### **"Uninformed" Consent: Patient Recollection From Surgical Consent in Hand Surgery-A Quality Improvement Initiative.**

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### **Practice Management Knowledge Amongst Plastic Surgery Residents in Canada: A National Survey.**

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### **Optimising the computerised adaptive test to reliably reduce the burden of administering the CLEFT-Q: A Monte Carlo simulation study.**

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### **Recursive Partitioning vs Computerized Adaptive Testing to Reduce the Burden of Health Assessments in Cleft Lip and/or Palate: Comparative Simulation Study.**

Harrison CJ, Sidey-Gibbons CJ, Klassen AF, Wong Riff K WY, Furniss D, Swan MC, Rodrigues JN. *J Med Internet Res*. 2021 Jul 30;23(7):e26412. doi: 10.2196/26412. PMID: 34328443 Free article.

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### **An international study to develop the EAR-Q patient-reported outcome measure for children and young adults with ear conditions.**

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### **FACE-Q Craniofacial Module: Part 1 validation of CLEFT-Q scales for use in children and young adults with facial conditions.**

Klassen AF, Rae C, Wong Riff KW, Bulstrode N, Denadai R, Goldstein J, Hol ML, Murray DJ, Bracken S, Courtemanche DJ, O'Hara J, Butler D, Tassi A, Malic CC, Ganske IM, Phua YS, Marucci DD, Johnson D, Swan MC, Breuning EE, Goodacre TE, Pusic AL, Cano S. *J Plast Reconstr Aesthet Surg*. 2021 Jun 10:S1748-6815(21)00292-8. doi: 10.1016/j.bjps.2021.05.040. Online ahead of print. PMID: 34274246

### **Guidance for management of cancer surgery during the COVID-19 pandemic.**

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### **Higher Distress in Patients with Breast Cancer Is Associated with Declining Breast Reconstruction.**

Corkum JP, Butler K, Zhong T. *Plast Reconstr Surg Glob Open*. 2020 Feb 27;8(2):e2636. doi: 10.1097/GOX.0000000000002636. eCollection 2020 Feb. PMID: 32309083

### **International phase 1 study protocol to develop a health state classification system for a preference-based measure for women with breast cancer: the BREAST-Q Utility module.**

Kaur M, Pusic AL, Cano SJ, Xie F, Bordeleau L, Zhong T, Klassen A. *BMJ Open*. 2020 Jan 7;10(1):e034451. doi: 10.1136/bmjopen-2019-034451. PMID: 31915176

### **How Ineffective Interprofessional Collaboration Affects Delivery of Breast Reconstruction to Breast Cancer Patients: A Qualitative Study.**

Retrouvey H, Zhong T, Gagliardi AR, Baxter NN, Webster F. *Ann Surg Oncol*. 2020 Jul;27(7):2299-2310. doi: 10.1245/s10434-020-08463-0. Epub 2020 Apr 15. PMID: 32297084

### **Contralateral prophylactic mastectomy at the time of delayed microvascular breast reconstruction adversely affects patient-reported outcomes: A retrospective cohort study.**

Kerrebijn I, Retrouvey H, Härmä M, Sebastiampillai S, Zhong T, Hofer SOP, O'Neill AC. *J Plast Reconstr Aesthet Surg*. 2021 Apr;74(4):785-791. doi: 10.1016/j.bjps.2020.10.020. Epub 2020 Oct 24. PMID: 33214123

### **An international mixed methods study to develop a new preference-based measure for women with breast cancer: the BREAST-Q Utility module.**

Kaur MN, Klassen AF, Xie F, Bordeleau L, Zhong T, Cano SJ, Tsangaris E, Breitkopf T, Kuspinar A, Pusic AL. *BMC Womens Health*. 2021 Jan 6;21(1):8. doi: 10.1186/s12905-020-01125-z. PMID: 33407389

### **Preconsultation Educational Group Intervention Can Address the Knowledge Gap in Postmastectomy Breast Reconstruction.**

Zhong T, Quong WL, Cheng T, Kerrebijn I, Butler K, Hofer SOP, O'Neill AC, Cil TD, Metcalfe KA. *Ann Plast Surg*. 2021

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### **Development and Psychometric Validation of the BREAST-Q Sensation Module for Women Undergoing Post-Mastectomy Breast Reconstruction.**

Tsangaris E, Klassen AF, Kaur MN, Voineskos S, Bordeleau L, Zhong T, Broyles J, Pusic AL. *Ann Surg Oncol*. 2021 May 14. doi: 10.1245/s10434-021-10094-y. Online ahead of print. PMID: 33988795

### **Development and Psychometric Validation of BREAST-Q Scales Measuring Cancer Worry, Fatigue, and Impact on Work.**

Klassen AF, Kaur MN, Tsangaris E, de Vries CEE, Bordeleau L, Zhong T, Cano SJ, Breitkopf T, Pusic AL. *Ann Surg Oncol*. 2021 May 24. doi: 10.1245/s10434-021-10090-2. Online ahead of print. PMID: 34028633

### **Development and Psychometric Validation of the BREAST-Q Animation Deformity Scale for Women Undergoing an Implant-Based Breast Reconstruction After Mastectomy.**

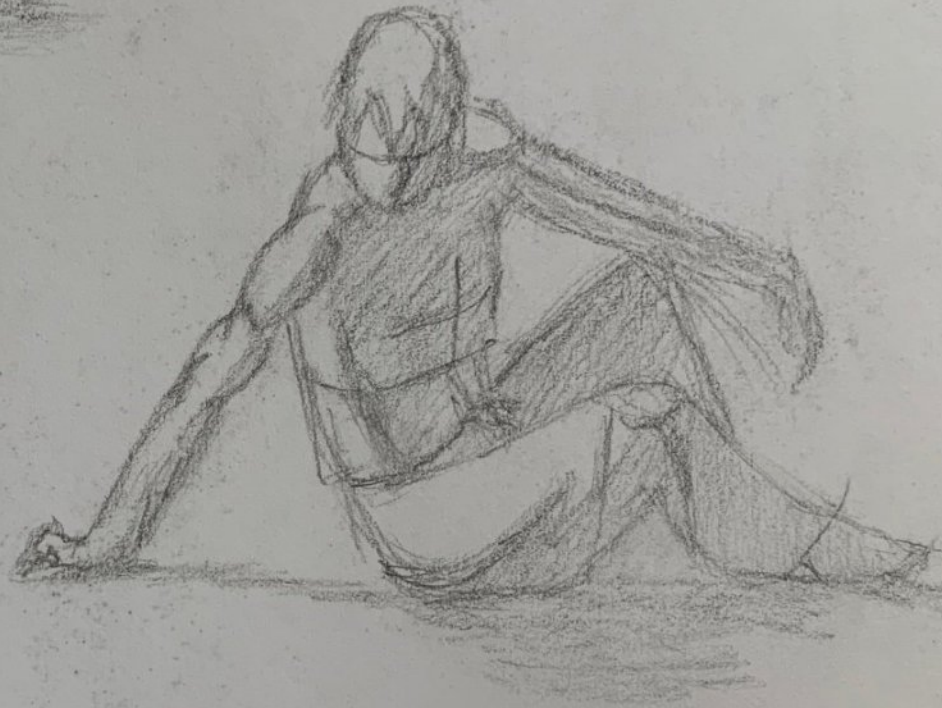
Tsangaris E, Pusic AL, Kaur MN, Voineskos S, Bordeleau L, Zhong T, Vidya R, Broyles J, Klassen AF. *Ann Surg Oncol*. 2021 Feb 26. doi: 10.1245/s10434-021-09619-2. Online ahead of print. PMID: 33638038

### **Transfer of the deep temporal nerve for eyelid reconstruction in Mobius syndrome - an anatomic feasibility study and proposed surgical approach.**

Staples JW, Zuker RM, Borschel GH. *J Plast Reconstr Aesthet Surg*. 2021 Jun 12;S1748-6815(21)00318-1. doi: 10.1016/j.bjps.2021.05.059. Online ahead of print. PMID: 34305023

### **Evaluation of a Pediatric Facial Paralysis Education and Family Support Day.**

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| Celine Yeung



**Dr. Kristen Davidge**

Research Director

*The commitment to research within our Division has remained strong over this past academic year, in spite of the many continuing challenges during the pandemic. Not surprisingly, our residents and faculty have continued to win numerous awards and grants, and these are highlighted with pride in the Chair's report. We held the first (and hopefully last!) virtual Hoyle Campbell Visiting Professor Day, which was a real success given the circumstances.*

As a change to our typical visiting professor format, we showcased our local research talent. It was wonderful to learn what's going on next door. **Drs. Phillips, Dengler, and Cross** educated us in the areas of artificial intelligence, dissemination and implementation science, and innovation as they relate to Plastic & Reconstructive Surgery. The diversity of interests and pursuits within our Division never ceases to amaze! I was also most impressed by the enthusiasm of our residents to participate in this year's research day. The talks were excellent and the audience participation surpassed my expectations. Thank you to the entire division (and especially to Kathy and our IT team) for ensuring the success of Research Day this year and for providing useful feedback should we ever have to do this virtually again!

The one plus side to the pandemic is that national and international conferences have been more accessible to our residents. I have noted the participation of our residents in multiple virtual conferences in the form of pre-recorded and live presentations. Most recently, **Drs. Kevin Zuo and Karen Chung** gave their award-winning talks at the 2021 Canadian Society of Plastic Surgeons Annual Meeting – congratulations to you both! The same also goes for our faculty, who have been virtual guest speakers at conferences and live events that they may not otherwise have been able to attend. The global reach of our Division's research is truly inspiring.

As we look forward to the 2021-2022 academic year, we are all hoping for a return to some form of normalcy. When it comes to research, this means being able to travel to some conferences (in Canada at least) and to hosting our 2022 Visiting Professor, **Dr. James Chang**, in person. We will keep our fingers crossed as we relax and enjoy this well-deserved summer.

A final heartfelt thank you to everyone - from medical students to alumni - who continues the legacy of research excellence in this Division.

Sincerely,

**Kristen M. Davidge, MD, Msc, FRCSC**

*Plastic & Reconstruction Surgeon,  
Hospital for Sick Children Research Director, Dept of Surgery,  
University of Toronto Assistant Professor, Dept of Surgery,  
University of Toronto Associate Scientist,  
Child Health & Evaluative Sciences,  
SickKids Research Institute*





**Dr. Kyle Wanzel**  
Program Director

*Well... I don't think 2020-2021 will be forgotten in a LONG TIME (and I'm not talking about Covid-19 (for a change!)... I am talking about our graduating residents!!!*

It truly is disappointing to not be able to have our Graduation Gala for a second year in a row. Last year at this time, we began planning a June 2021 Graduation Gala for a double cohort of graduates – but once again Covid-19 has gotten the better of us.

## THE GRADUATES

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**Dr. Mélissa Roy**

In brief, I would like to introduce you all to our 2021 FRCS exam successful graduating residents:

Ladies first... Mélissa remarks :

*“Après avoir grandi dans la ville de Québec et avoir complété mon Cégep au Collège François-Xavier-Garneau, j'ai eu l'opportunité de poursuivre des études en médecine à l'Université McGill.*

In 2014, I joined the University of Toronto's plastic and reconstructive surgery Division. During my residency training, I completed a Master of Science in clinical epidemiology and healthcare research at the Institute of Health Policy, Management and Evaluation (IHPE) under the supervision and guidance of **Drs. McCabe, von Schroeder, Novak, Okrainec and Urbach.**

It has been a true privilege to be part of the University of Toronto's surgical community. Mentors and educators along the way have shared selflessly their time and insights shaping the person I am today. Thank you to all the supervisors, colleagues, friends and family members who have contributed to making residency such an exciting journey.

Next academic year, I will be going to Seattle, Washington to complete a craniofacial fellowship. My wish for the future is to continue my professional and personal journeys with passion, happiness and surrounded by inspiring teams and individuals.”



*“La grande affaire et la seule qu'on doit avoir c'est de vivre heureux”*

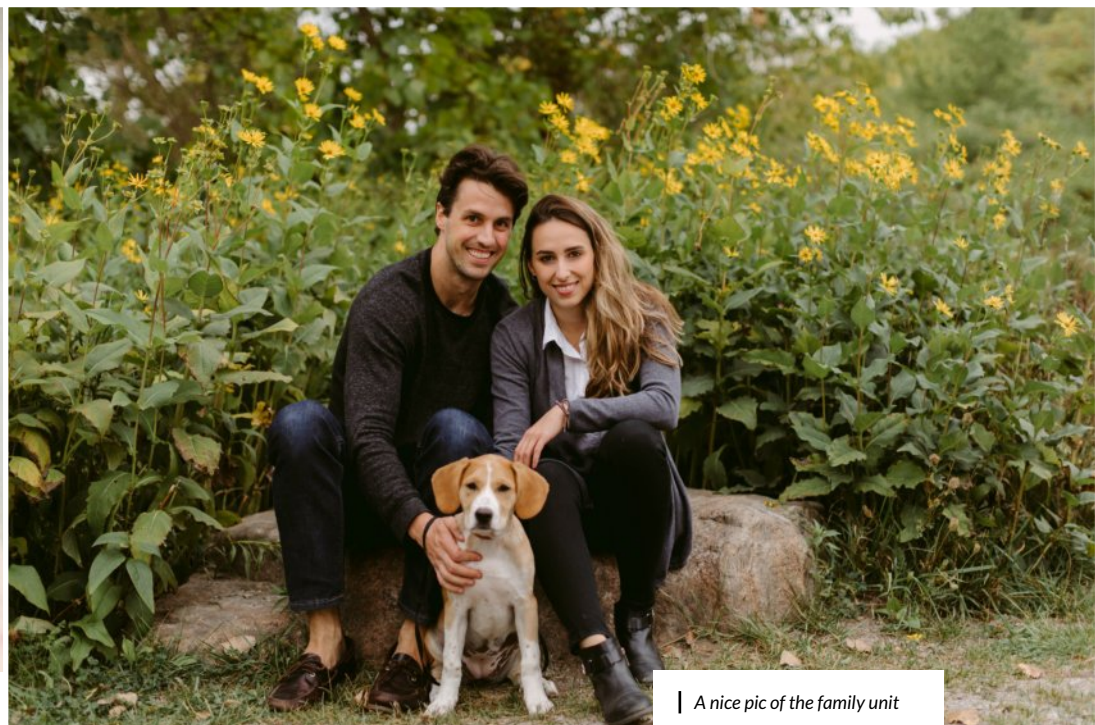
- Voltaire

## THE GRADUATES

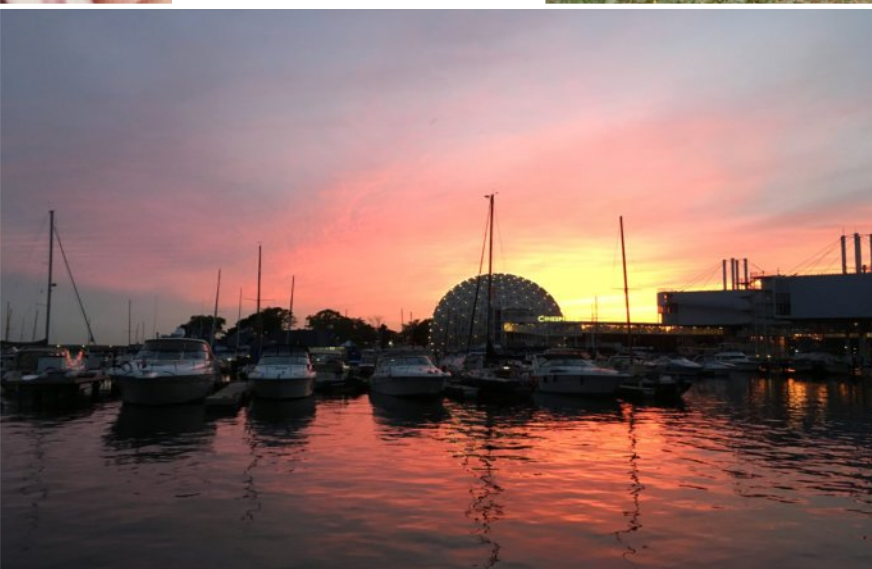
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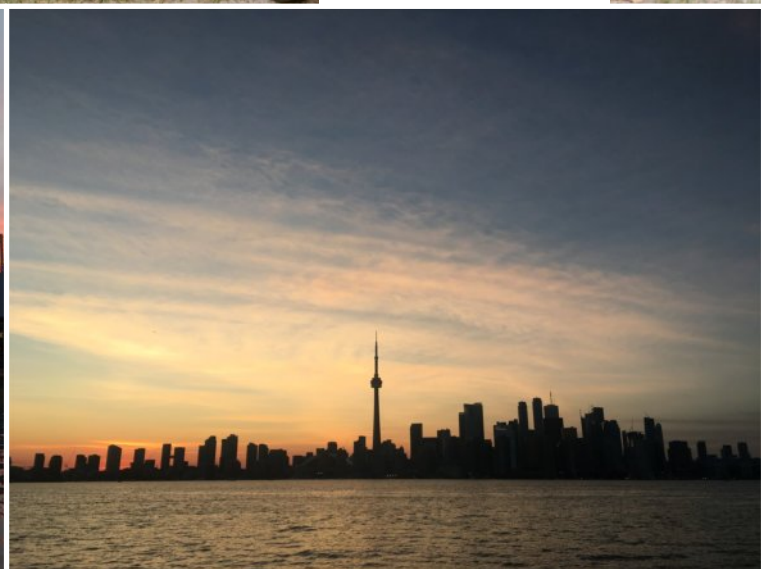
| Méliisa has come a long way from here...



| A nice pic of the family unit



| As an avid runner in the mornings, she found this beautiful sunrise



| And a short (hopefully) farewell to the Toronto skyline

# THE GRADUATES



**Dr. Sultan Al-Shaqsi**

*I was Born in Oman. I did my high school, medical school and PhD in New Zealand.*

After that, I worked for a year as an intern in New Zealand before going back to Oman for 6 months to work at the national plastic surgery department.

I then moved to Toronto for residency with my lovely wife. For the next chapter in this journey, I am doing a year of pediatric craniofacial fellowship at SickKids followed by a year of adult craniofacial surgery at Sunnybrook.

After fellowship, I am heading back to the Sultanate of Oman to lead the craniofacial service at the national plastic surgery department.



| ...And, in traditional clothes back in Oman.



| As we all know Sultan...



| A photo from his time in New Zealand (I am a bit nervous about what is going on with that sheep!!!)



| Feeling at home in Toronto

## THE GRADUATES

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**Dr. David Wallace**

Apparently, Dave is a man of few words! But he does say:

*"I grew up in Toronto. I attended St Michael's College high school and then proceeded to do my Bachelor's Degree at Queen's University. I stayed in Kingston to do a MSc in Epidemiology, then moved back to Toronto to complete medical school."*

He likes to exercise and be with his dog. Oh, and drink lots of coffee!

When asked about particular memories over the last 5 years, he says:

*"No memories in particular that ring a bell. Just extremely grateful and humbled working at such a great place. Will always cherish my time here. Thank you to all who helped me get through."*

Anything, anything else to report?

*"Honestly, nothing else to report. The past 5 years were pretty much work, sleep, and repeat!"*

Finally, he did mention that he is heading to California to pursue a Burn Fellowship at UC Davis.



*And this is Dave at his "happy place" playing golf with his uncle and role model (a retired Orthopedic surgeon)... which interestingly, over the last 5 years, for some reason, whenever Dave entered any ER across the city someone would say "the Ortho consult is in Room X"!*

## THE GRADUATES

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**Dr. Pierre Lapaine**

*I was born and raised in the small town of Goderich in Southwestern Ontario. At the age of 10, I experienced a medical scare, which led to me undergoing a variety of tests and seeing numerous specialists. Fortunately, everything resolved, but this did lead to a decisive moment in my life: I decided that I wanted to go into medicine.*

After spending my entire childhood in rural Ontario, I wanted to experience big city life and moved to Montreal to attend McGill University. I was then accepted into medical school at Western University in London. And finally, here at UofT for Plastic Surgery.

I truly feel honoured to have trained in Toronto. It is in my (admittedly biased) opinion, the standard for plastic surgery training in Canada. Teaching is such a clear priority among the staff in our Division. Every single teacher I have encountered in my training has had an impact on me and has helped shape the surgeon that I am today. Surgical residency is not the easiest five years of our lives, but certainly the support of staff and co-residents went a long way to helping to make it so memorable. I'd like to thank all residents both before and after me for helping form my experience. I always enjoyed the opportunity to get together with everyone on Monday mornings (before COVID), attending Division events and conferences in locations such as Jasper or Paris, or even just trying to make the day-to-day work more enjoyable with each other.

I would not be where I am today without my wife Sari. During my residency here in Toronto, we have never had the fortune of living in the same city full time. Thankfully, I will soon get to be reunited with her in New York City, where she is completing her residency in oral and maxillofacial surgery. I will be doing an aesthetic surgery fellowship there, and we hope to eventually return to Ontario and begin practice afterwards.

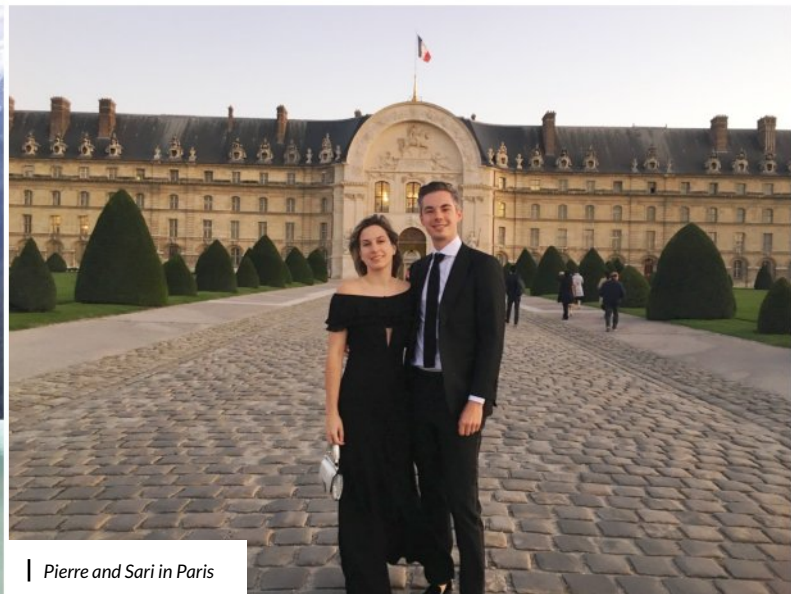
*A huge congratulations to Dave, Mélissa, and Sultan – it's been a long, hard year, but we did it! I can't wait to see what great things you do in the future. Thank you again to everyone, it's been an honour to be here and can't wait to be back when we can all get together again!*

# THE GRADUATES

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| The "Dream Team" (version 2)



| Pierre and Sari in Paris



| The "Dream Team" (version 1)

## INCOMING RESIDENTS

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As these amazing PGY 5s exit our Program, we are excited to welcome in a new crew! Here is a quick look at our shiny new PGY 1s (big shoes to fill!)



**Darby Little**

Darby grew up in Toronto and completed a degree in Life Sciences at Queen's University. She then attended the University of Toronto for medical school. Outside of medicine, Darby enjoys skiing, photography, and spending time with family and friends.

She remarks that she is very excited and grateful to be joining the University of Toronto's Plastic and Reconstructive Surgery Program.



**George Ho**

George was born in Hong Kong and immigrated to Canada with his family at the age of 4. He grew up in Newmarket, Ontario and completed his Bachelor of Sciences at University of Waterloo. George then went on to complete his medical school training at University of Toronto. He enjoys spending time with close friends and family, reading, and playing guitar.

He says that he is delighted and honoured to be joining the Division of Plastic, Reconstructive & Aesthetic Surgery at University of Toronto.



**Chloe Wong**

Chloe was born and raised in Richmond Hill and completed both her Bachelor of Health Sciences and Medical degree at McMaster University. Outside of medicine, she loves weightlifting, watching the Leafs/Raptors, baking, and photography.

She remarks that she is thrilled to join University of Toronto's Plastic, Reconstructive, and Aesthetic Surgery program!

## THANK YOU'S

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It is difficult not to be able to express my gratitude (in person) to everyone who helps make this Division run as it does – the best in the country.



**Dr. Christopher R. Forrest**

### **Dr. Christopher Forrest**

*Thank you so very much for all of your support over the years. I think we have an amazing working relationship.*

You have always been supportive of the various educational endeavours that we bring to the table and always find ways to help make them happen. The residents and I truly appreciate that.

Together, we have continued to make UofT Plastic Surgery better and better - and continue to ensure it is the jewel of Canadian (? even further away ?) Plastic Surgery training programs.

Onward and upward!



**Kathy Pavlovic**

### **Kathy Pavlovic**

*Amazing, amazing, amazing – even with the 2020-2021 challenges, we have made unprecedented strides forward.*

During the COVID-19 crisis, we never missed a single seminar in our Plastic Surgery School series. We were quick to make virtual Zoom seminars as educational as we could and deliver the required content. We “Divisionalized” our individual hospital rounds, such that all residents could tune in to Rounds, even if they were not stationed at that particular hospital.

Together, we developed all of the necessary tools and have started the next era of surgical education, **Competence by Design (CBD)** for UofT Plastic Surgery.

*The current PGY 1s (almost PGY 2s now) will be the first fully CBD cohort - starting with Surgical Foundations and all the way through Plastic Surgery. The overarching premise of CBD is “real time” coaching of our trainees, with multiple opportunities for feedback; as compared to our traditional fairly unstructured midterm evaluation and a final ITER, as the only real times that the trainees get documented feedback.*



## CanMEDS 2015

## Milestone Stages and Progression of Competence



The terminology that we are all used to will be changing:

- As you can see above, the “stages” of training will have new names (as compared to “junior” and “senior” residents)
- Our ITERs (In Training Evaluation Reports) will become known as ITARs (In Training Assessment Reports)
- Our “Goals and Objectives” for rotations will become “Rotation Plans”
- Multiple small assessments will be known as EPAs (Entrustable Professional Activities)

At the same time that we needed to get CBD ready for July 2020, we also worked tirelessly on another important 2020

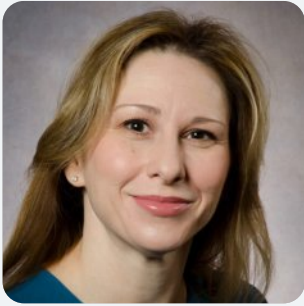
document entitled the AQ (Accreditation Questionnaire).

This describes our entire Plastic Surgery program and was required for the November 2020 Accreditation (i.e., the Royal College External Review). This document was well over 1,000 pages!

We received the highest of possible Accreditation grades from the Royal College (full Accreditation with no review for 8 years!). There were ZERO listed “areas for improvement” (which is almost never achieved). I was told by some of the reviewers that I know from the College, that our Program was one of the very highest rated (out of 82 UofT Programs assessed). Thanks to all who participated!

## THANK YOU'S

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**Dr. Joan Lipa**

### **Joan Lipa (...and Siba Haykal)**

*I would like to take this opportunity to once again thank Joan for all of her work as Senior Resident Education Lead. She was able to simplify and reorganize our didactic and surgical skills education curriculum.*

She noticed a few educational gaps that we have remedied. Our seminar series remains the pride of the Program and the country.

Thank you, Joan, for your tireless work!

And, Siba has now taken over and things are (not surprisingly) seamless. She will bring a whole new perspective and I look forward to working closely with her.



**Dr. Siba Haykal**

### **Blake Murphy**

*Thank you, Blake, for being a “rock” for the junior residents as the Junior Resident Education Lead. I know they loved getting together with you for dinners and trust you as a confidant if/when required – hopefully we will get back to that soon.*

And thank you so very much for your hard work organizing our 2020 and 2021 (Covid) Prep Camps in such unprecedented times!



**Dr. Blake Murphy**

## THANK YOU'S

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**Dr. Melinda Musgrave**

### **Melinda Musgrave**

*Very very very weird times to be a medical student.*

Your time as our Undergraduate Representative has been so valuable in helping us negotiate new realities. At a time of curriculum change in the medical school, coupled with a Covid-19 inability for medical students to do away electives – it has been a difficult time to say the least.

Thank you, Melinda, for helping us negotiate these times.



**Dr. Kristen Davidge**

### **Kristen Davidge**

*Our first virtual Resident Research Day was a big success. It went off perfectly and offered new innovative educational experiences (e.g., having former graduates speak about “transition to practice” topics).*

Thank you for all of your work with the resident research projects, Research Day, keeping our SSTP residents on track, and organizing didactic sessions during Plastic Surgery School.

## THANK YOU'S

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### CanMEDS Leaders

I would also like to thank the individuals who put immense time into teaching the “non-medical expert” CanMEDS roles. Many would argue that these are more difficult to teach:

**Communicator** – Ron Somogyi  
**Collaborator** – Melinda Musgrave  
**Health Advocate** – Linda Dvali  
**Leader** – John Phillips  
**Ethics** – Craig Fielding  
**Scholar/Research** – Kristen Davidge  
**Resident Wellness** – Karen Cross (... and Johanna Riesel)

I would like to take this opportunity to again thank **Dr. Karen Cross** for all of her work as our Wellness Director. She developed an impressive “Wellness Toolkit” for our Division and has always been available as a confidant and advisor for the residents. We welcomed a new Wellness Director, **Dr. Johanna Riesel** – who is also a new Staff at the Hospital for Sick Children.

And a very big thank you to **Dr. Craig Fielding** – who will be stepping down as our Ethics lead (after 27 years of being involved!). And a big hello to **Dr. Katie Armstrong** who will be taking over! Welcome to the Division!!!

### Rotation Site Chiefs

Thank you for ensuring the residents have an enriched educational experience everywhere they rotate:

**TGH** – Stefan Hofer  
**TWH** – Steve McCabe  
**HSC** – Chris Forrest & Joel Fish  
**SHSC** – Jeff Fialkov  
**WCH** – John Semple  
**SMH** – Blake Murphy  
**SJHC** – Craig Fielding  
**MGH** – Linda Dvali  
**NYGH** – Mary-Helen Mahoney  
**Aesthetic** – Jamil Ahmad  
**RTBU** – Shar Shahrokhi

Thank you once again for your exceptional help this past year.

### Competence Committee

Thank you for participating in the early stages of developing what will become our Competence Committee and the future committee deciding resident progress and competence:

**Chris Forrest**  
**Jamil Ahmad**  
**Joel Fish**  
**Anne O'Neill**  
**Melinda Musgrave**  
**Ryan Austin**  
**Steve McCabe**  
**Shar Shahrokhi**  
**Tara Lynn Teshima**  
**Trevor Born**

Thank you for your help this past year.

In conclusion, an unfortunate and slightly awkward goodbye to our Graduates (once again this year), but we are all very proud of you and all of your accomplishments during the last five years.

And we look forward to following your future careers in the future!



| Emma Avery

EMMA  
AVERY



| *Dr. Jessica Truong's last operating day with Dr. McCabe at TWH*

When asked about one of their most memorable times during your fellowship:

*"Performing all night replants with Dr. McCabe 2 weeks in a row with N95s on! He puts on country music to try and make us work faster."*

Shared by Dr. Kathleen Armstrong



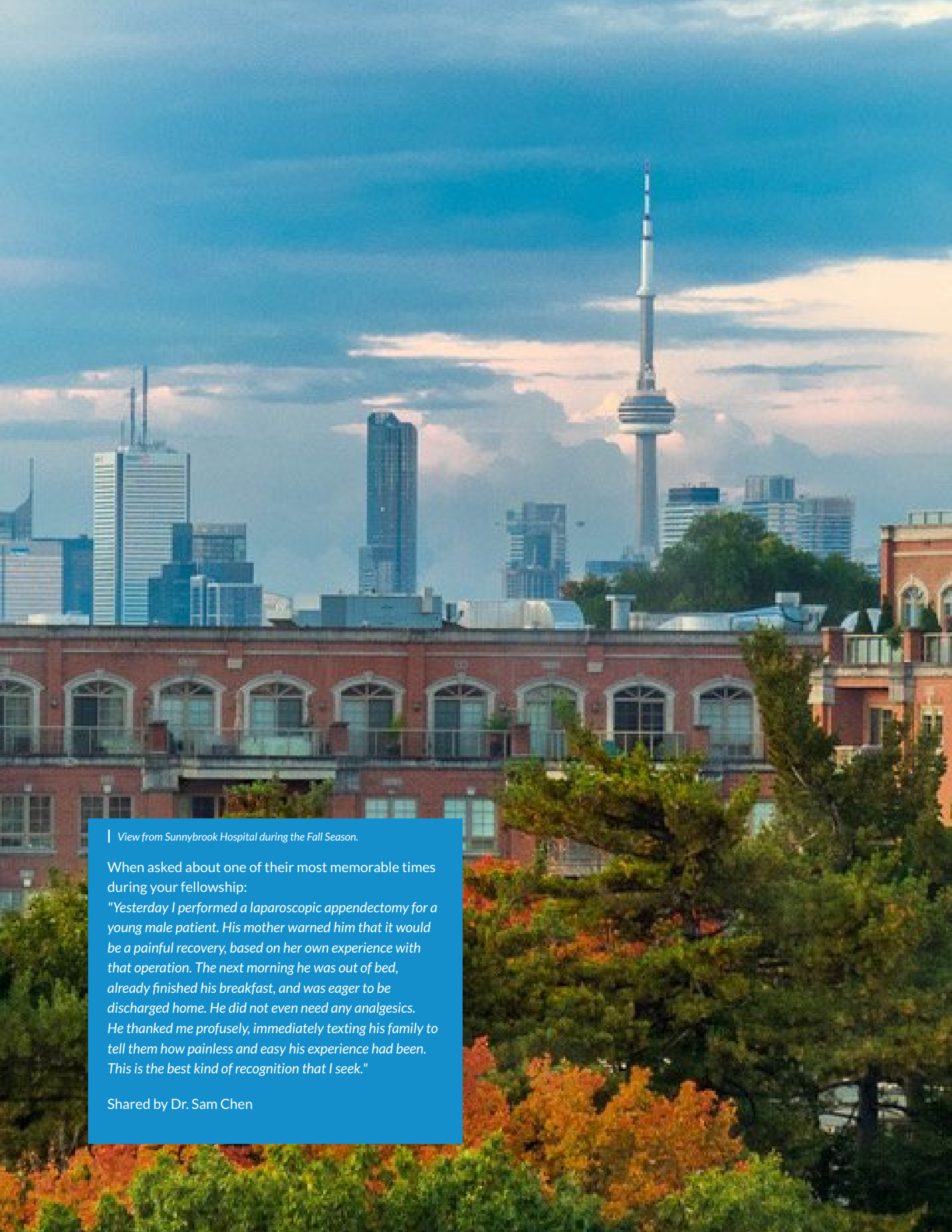
**Dr. Toni Zhong**  
Fellowship Director

*I am in awe of how quick this academic year of 2020-2021 has been. Although it has been difficult during the beginning to our academic year, our Division has been very fortunate enough for our helping previous Fellows who decided to extend and support us during the changeover with the new incoming Fellows. Our current fellows who have come from different areas of Canada, Chile, Australia, USA, Belgium, Ireland and Colombia have truly shown us how committed and enthusiastic they are to learn and to be mentored by us here at their UofT Fellowship regardless of the "COVID curveballs."*

Despite the constant change that we are all trying to adjust to, some of our fellows were able to dedicate some time to work on their publications:

- *"Paediatric craniofacial injuries in the setting of war"* – **Dr. Ian Loh**
- *"Catastrophic and critical intraoperative events during paediatric Craniofacial surgery", "Posterior cranial vault distraction in multi suture and syndromic craniosynotosis: outcomes and morphometric assessment in 32 patients", "Posterior vault distraction in multi suture craniosynotosis in a patient with cranial metaphyseal dysplasia"* – **Dr. Diana Kennedy**
- *"Spend less time making call schedules and more time on being a doctor!"*  
– **Dr. Sam Chen**
- Brown, M., Viesel-Mathieu, A. (2021). Invited Discussion on: *Guiding Nipple-Areola Complex Reconstruction: Literature Review and Proposal of a New Decision-Making Algorithm*. *Aesth Plast Surg* <https://doi.org/10.1007/s00266-020-02076-4> - **Dr. Alex Viesel-Mathieu**.

Unfortunately, this is the second academic year that we will not be able to host our Annual Division of Plastic and Reconstructive Surgery Graduation Gala, where we normally honor all of our Fellows for all their incredible involvement in our UofT Division. On behalf of the Division of Plastic and Reconstructive Surgery at UofT, we would like to congratulate and send all of our fellows well-wishes as you head back home your families and to pursue your goals. We hope that you will take a lot of memories with you and apply all the clinical and surgical experiences from your time with UofT Fellowship.



| View from Sunnybrook Hospital during the Fall Season.

When asked about one of their most memorable times during your fellowship:

*"Yesterday I performed a laparoscopic appendectomy for a young male patient. His mother warned him that it would be a painful recovery, based on her own experience with that operation. The next morning he was out of bed, already finished his breakfast, and was eager to be discharged home. He did not even need any analgesics. He thanked me profusely, immediately texting his family to tell them how painless and easy his experience had been. This is the best kind of recognition that I seek."*

Shared by Dr. Sam Chen





With the amazing TGH Team Amanda Perrotta (PA), Dr. Alex Viesel-Mathieu, Dr. Vincent Choi and Dr. Daniela Vaca Grisales



Dr. Vincent Choi, Dr. Daniela Vaca Grisales, Amanda Perrotta and Gigi enjoying the Christmas Market at the Distillery District



*"Operating with the Great- David Fisher. Even Bernie Sanders came to watch this legend."*

Shared by Dr. Diana Kennedy



*"Operating with my neurosurgery fellow friends on one day old baby (Kerry Vaughn, Will Singleton and I) supervised by Dr. John Phillips on 1 day old baby with myelomeningocele."*

Shared by Dr. Diana Kennedy



Action shot taken from our hallway performance, Dr. Josephine D'Abbondanza and Dr. Fanyi Meng

When asked about one of their most memorable times during your fellowship:

*"My best memories were created while working on complex reconstruction cases with the dedicated and incredible team of attendings, residents, and fellows at Sunnybrook.*

*A particularly fun memory is performing a Covid Christmas rendition of "Baby It's Cold Outside" with U of T's very own Dr. Josephine D'Abbondanza!*

Shared by Dr. Fanyi Meng



Dr. Mélissa Roy, Dr. Hofer and Dr. Vincent Choi in Dryden, Ontario

*"I had the opportunity to travel during my fellowship with my supervisor (Prof Stefan Hofer) to provide services in a remote community setting in far Northwest Ontario."*

Shared by Dr. Vincent Choi



**Dr. Melinda Musgrave**  
Undergraduate Education Director

*On March 16, 2020, Undergraduate Medical Education as we knew it changed. With the first wave of the Covid-19 pandemic, we were faced with many unknowns. While we worried about the impact of the virus on the world around us, we also focused on our own worlds: our family and friends, our patients and clinical practices, our academic interests and obligations and our educational responsibilities.*

While we worried about our postgraduate trainees, the mandate from the University was quite clear with respect to our clinical clerks: Undergraduate medical students were not allowed to take part in clinical care. With this decision, we were asked to redesign how we taught these learners. We had a mandate to upgrade, revise, redefine and deliver our surgical curriculum on a virtual learning platform. With the help of the residents, fellows and staff in the Division of Plastic, Reconstructive and Aesthetic Surgery the Undergraduate Plastic Surgery Virtual Curriculum was developed. It consisted of 19 learning modules, a virtual suturing course, and an introductory review series of virtual interactive seminars. This is in addition to the numerous independent seminars and lectures given at each of our hospitals on virtual platforms. Zoom had a completely new meaning.

As we progressed into the fall, clinical clerks returned to our services. Many surgeons struggled to deliver curriculum given the lack of clinic volumes, minor procedure access and operating room experiences. The second wave made this an even bigger struggle. Despite this, we were able to transform our wildly successful Medical Student Plastic Surgery Career Night into virtual form as the first Virtual Plastic Surgery Career Night in November 2020. This annual event started 6 years ago by Dr. Forrest allowed us to highlight our programme to prospective students. It was an opportunity for attendees from across the country to learn about Toronto Plastic Surgery and our residency-training program including the surgical scientist programme. Despite a few minor technical glitches, it was a very successful event with an attendance that was comparable to the “real” event.

As the 2021 approached and the third wave was on the horizon, the Division held the Canadian Residency Matching Service (CaRMS) interviews virtually. While we could not have a formal social event, candidates still could interact prior to the interview process with faculty and residents. While there were some initial reservations about being able to get to “know” candidates by video, I think we underestimated the knowledge, technical savvy and comfort of these students. Their interviews were professional, polished and insightful.

While I have never doubted the commitment of our educators (residents, fellows and staff), the response to requests this last year has been inspiring. Plastic Surgeons as a whole love a challenge, we rise to it. We are innovative, adaptive, engaged and responsive. We developed a virtual curriculum, held a virtual career night and successfully matched out future residents through virtual interviews. We celebrated Dr. Adam Mosa for winning two major teaching Awards (The Leo Mahoney Award for Excellence in Undergraduate Teaching (St. Michael’s Hospital) and the D.R. Wilson Award for Undergraduate Education (Department of Surgery,

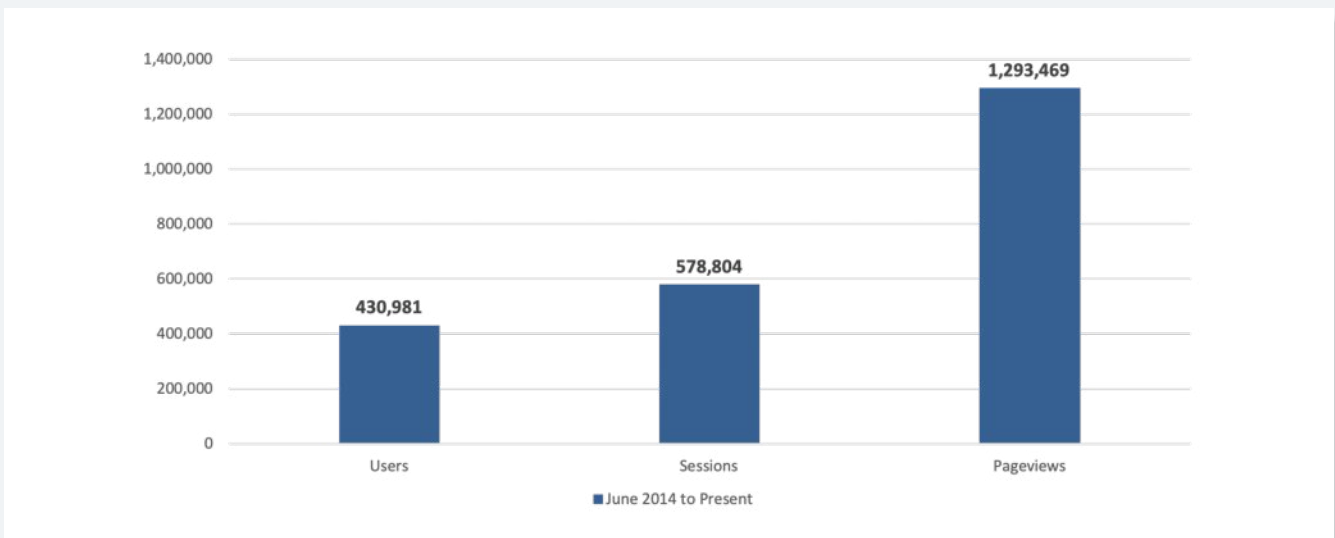
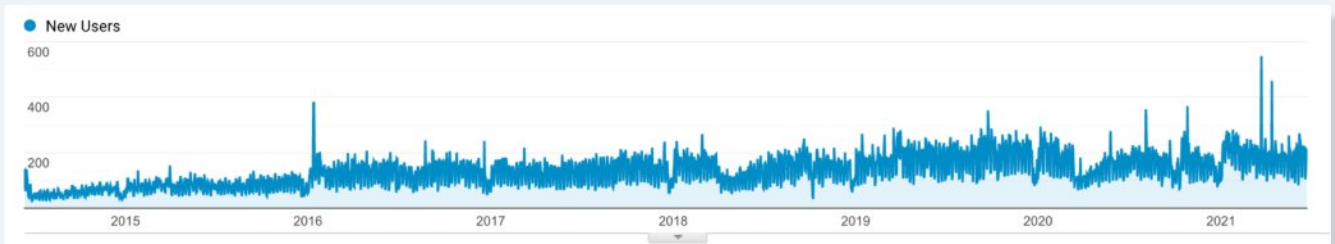
University of Toronto). We have set the stage for clerkship renewal coming in 2020-21.

As we start to see what appears to be the end of third wave, I think about the lessons we have learned and the many accomplishments we celebrated. At the same time, I reflect on what we lost... the connection. While we may have fancier ways to say it in 2021, Surgery is still an apprentice model no matter how you slice it. We train the next generation of Plastic Surgeons through clinical experiences, graduate responsibilities, and our shared knowledge of the profession. How does this process start? It starts in medical school: doing a suturing workshop with a surgeon in the first 2 years of medical school, shadowing in an operating room during Surgical Exploration and Discovery (SEAD), working on a research project over a summer and ultimately deciding to do a surgical subspecialty rotation. Each of these interactions allows our students to choose us as a teacher, a mentor, a friend and a future colleague.

Indeed, it is in those small, sometimes seemingly insignificant interactions that we became Plastic Surgeons. As far away as clerkship may seem to you now, you can instantly remember that moment that set you on your current path. You can name that person(s). That person in Plastic Surgery who made you “feel” that you found a “home” in medicine.

With clerkship renewal on the horizon, we will be challenged to continue to evolve our curriculum. We will need to stand with all our surgical colleagues to address student harassment and intimidation. We also need to take a critical look at equity, diversity and inclusion in our field specifically and in surgery in general. We have an opportunity to change undergraduate surgical education. We will have to continue to innovate, create and collaborate to teach our undergraduate learners. After all, we are Plastic Surgeons... isn't that what we do every day?

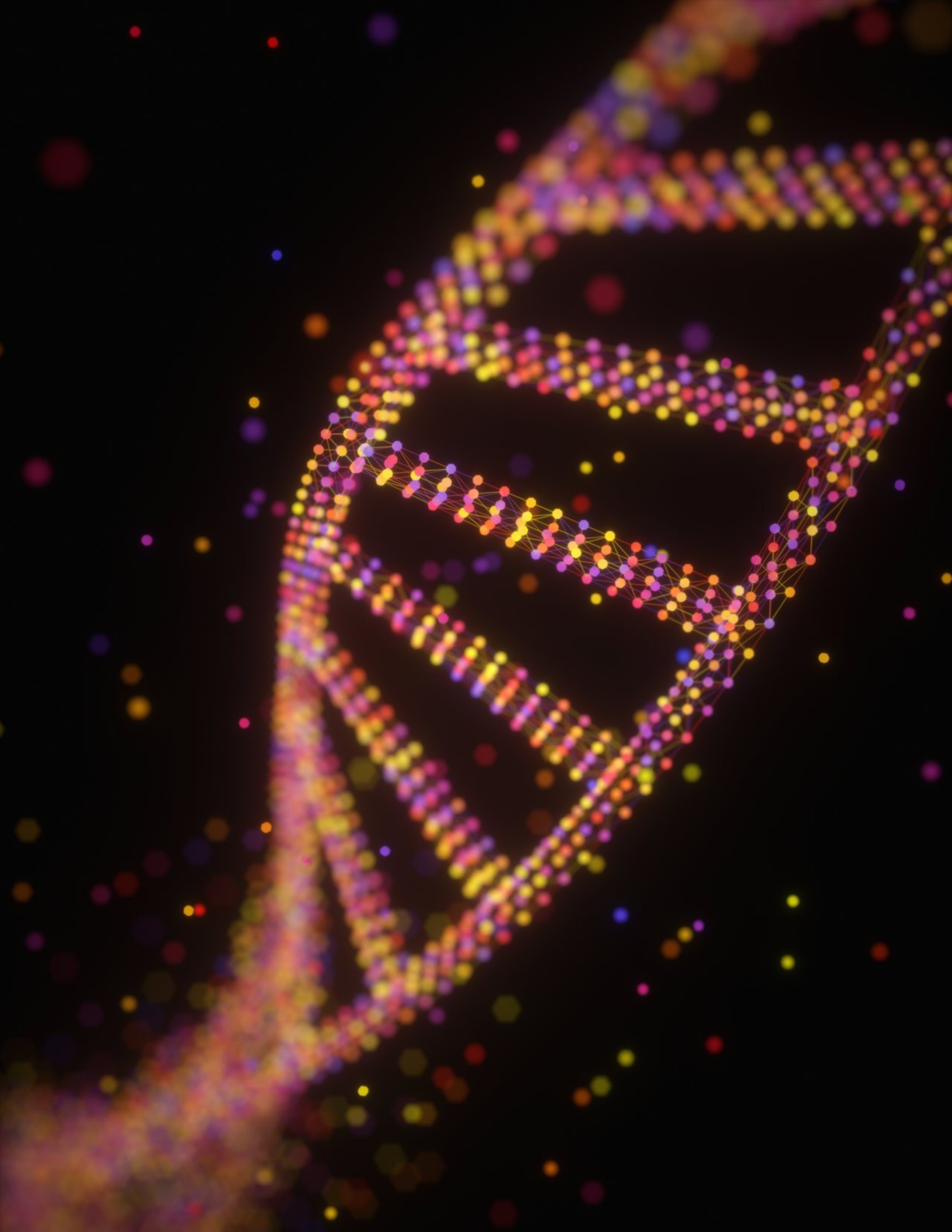




*In August 2020, the divisional website underwent a major update. The relaunch brought a new design and extensive content additions for both faculty and trainees.*

Visitor traffic continues to increase with 11% growth year-over-year in 2020-2021. For the most part, our top visitor locations remain the same, however, this year we've gained China's interest – a newcomer to the Top 10.





## THE HOSPITAL FOR SICK CHILDREN

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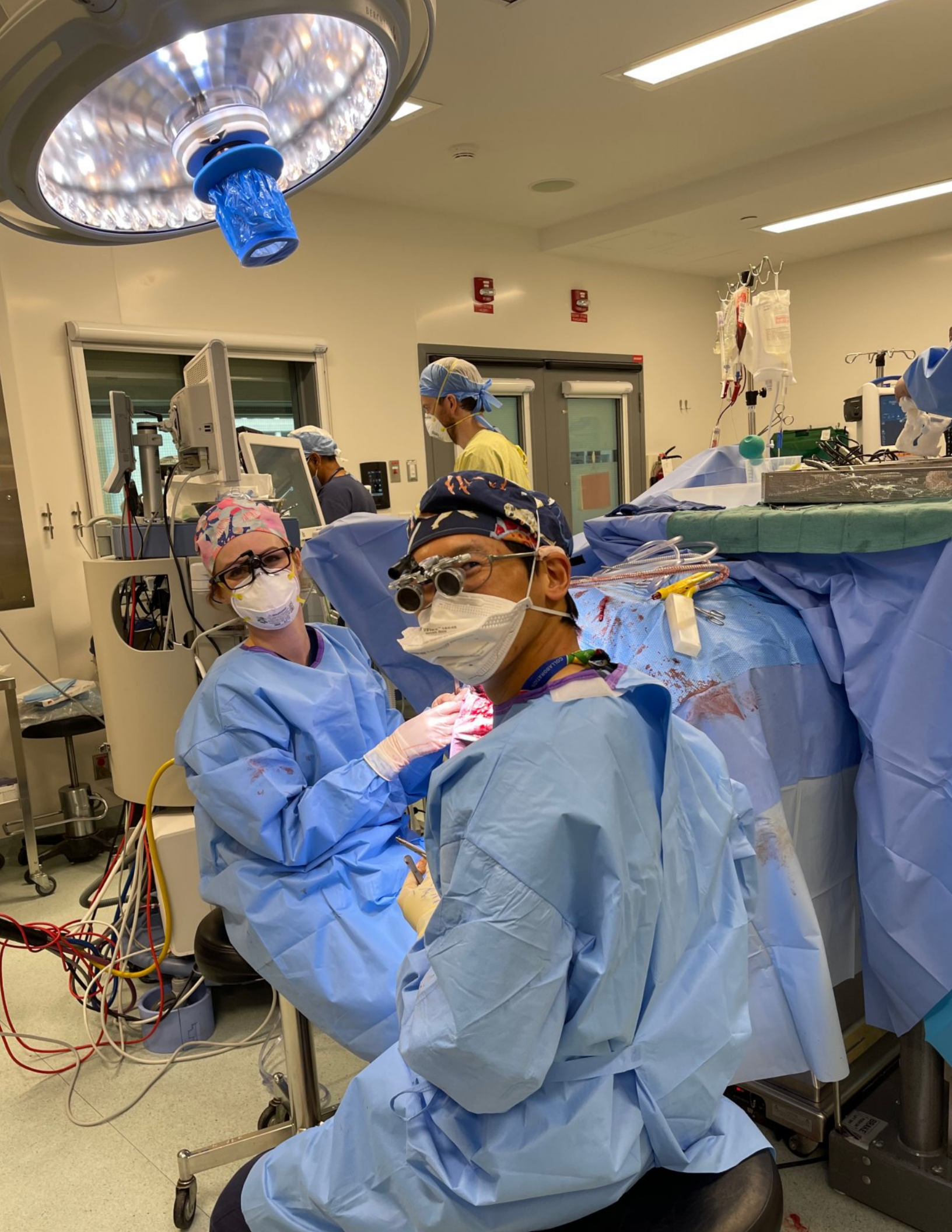
| Adrian, Izzy, Ian, Diana and Joe

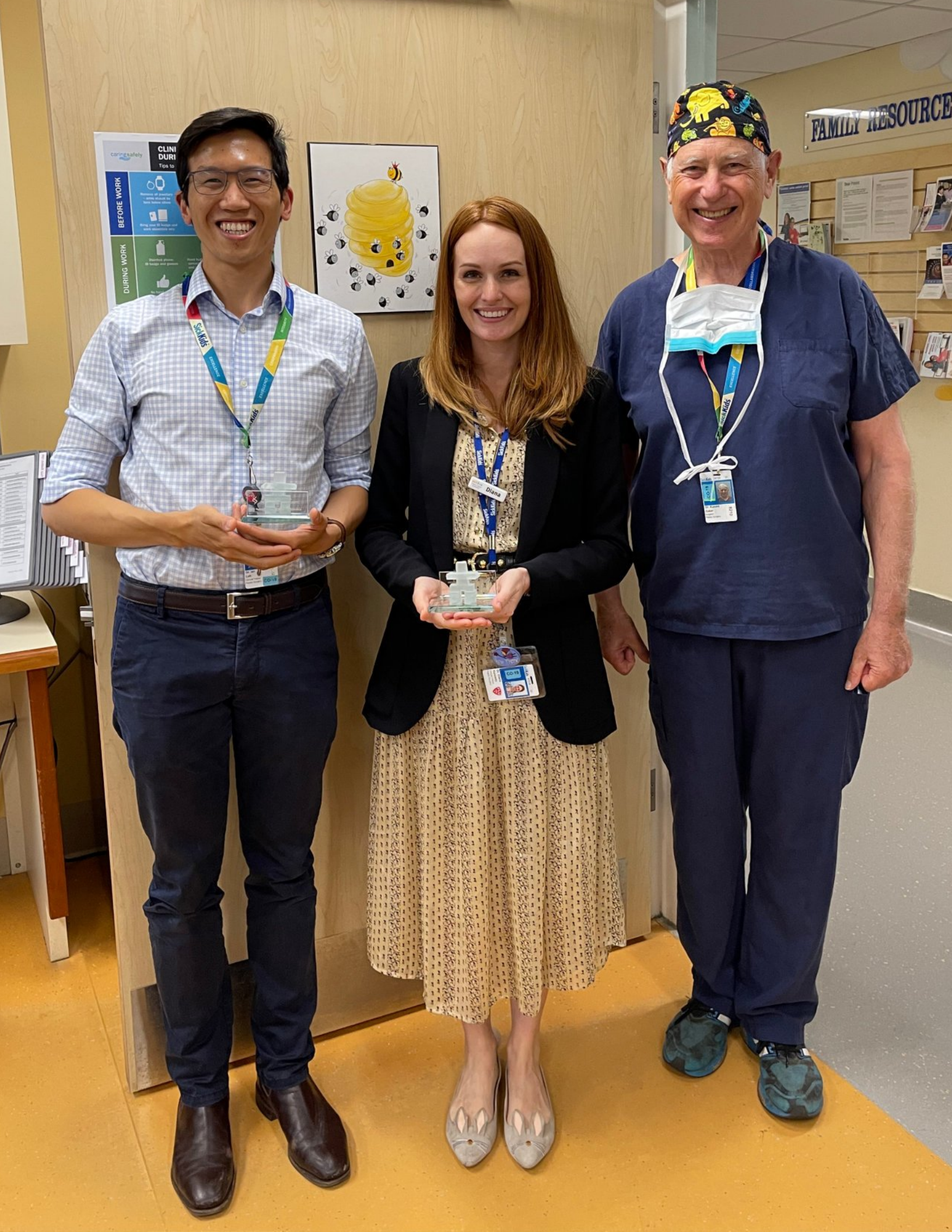
*Traditionally, the academic calendar is full of spaces where the division members of the Division of Plastic and Reconstructive Surgery at the Hospital for Sick Children exit the building to rack up air miles attending conferences and 2020-2021 will go down in history as the nadir in the number of trips taken to the airport.*

Regardless, it has been a very good year in many respects for the division and despite the challenges in providing patient care and dealing with the stresses of the pandemic, I feel that we have done an exemplary job of being resilient and adaptable to the shifting landscape.

We have had a terrific crew of fellows during the past academic year and have now welcomed the new crew with open arms. They have borne the brunt of the challenges that Covid has inflicted on us and we are most grateful for their dedication and hard work and thank them for everything they have done for the division.







FAMILY RESOURCE

caring safely  
CLINIC DURABLE  
Tips to  
BEFORE WORK  
DURING WORK



Diana

GOV  
CLINIC DURABLE

## THE HOSPITAL FOR SICK CHILDREN



**Dr. Diana Kennedy** has returned to Brisbane, Australia to start a practice focussed on pediatric craniofacial and cleft care and aesthetic surgery. She will be joining former SickKids fellow **Dr. Stu Bade** at Children's Health Queensland Hospital.

**Dr. Ian Loh** also has endured the 2-week mandatory quarantine in returning home to Melbourne, Australia and will be starting his practice at The Royal Children's Hospital with another two SickKids grads, **Drs. David Chong** and **Jono Burge**.



Dr. Jouseph Barkho will be moving back down the road to start his position at MacMaster in Hamilton.



## THE HOSPITAL FOR SICK CHILDREN

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**Dr. Izzy Galdyn** has been a stalwart in the division for the past 2 years and has done a terrific job managing the house-staff and being an all-around wonderful person to work with. Izzy has taken a job at the Monroe Carell Jr. Children's Hospital at Vanderbilt in Nashville.



**Dr. Adrian McArdle** will also be staying local and joining the group at the Trillium Health Partners in Mississauga.



# THE HOSPITAL FOR SICK CHILDREN



# Division of Plastic & Reconstructive Surgery Residents 2020

**PGY5**



**Sultan Al-Shaqsi**  
March-June '21

**PGY4**



**Celine Yeung**  
November '20-February '21



**Tomas Saun**  
March-June '21

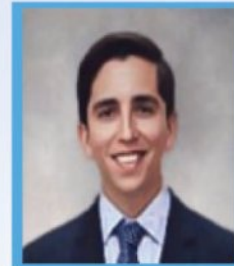
**PGY3**



**Annie Wang**  
July-October '20

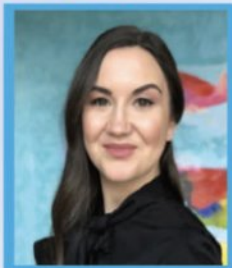


**Josephine D'Abbondanza**  
July-October '20



**Adam Mosa**  
November '20-February '21

**PGY1**



**Emma Avery**  
November '20- January '21



**Alexander Adibfar**  
January-March '21



**Marshall Thibedeau**  
March-May '21



**Chantal Valiquette**  
May-June '21

Thanks also to the team of residents who really made coming to work worthwhile.



# THE HOSPITAL FOR SICK CHILDREN

And welcome to the new crew of fellows!

## FELLOWS 2021-2022

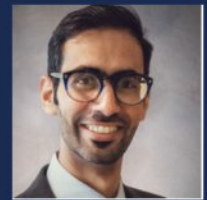


### DR. ALEXANDER GERDOM

Alexander Gerdom completed his Plastic Surgery Residency in Belgium and France and worked at the Children's Hospital in Brussels before moving to Canada. He is currently finishing his clinical fellowship in Burns at Sunnybrook Health Sciences Centre. Clinical interests include pediatric reconstructive surgery, cleft repair, microsurgery and vascular anomalies. Other hobbies include playing the piano, practicing martial arts and spending time with his wife and 2-year-old daughter.

### DR. SULTAN AL-SHAQSI

Sultan Al-Shaqsi is originally from the Sultanate of Oman and completed his residency at The University of Toronto. He's incredibly excited to continue his learning experience in the Craniofacial Fellowship program. His plan is to ultimately return to Oman and take what he has learned to serve his people. He looks forward to continue working with everyone and would love to explore more of Canada's natural scenery



### DR. THOMAS CAWTHORN

Thomas Cawthorn completed his undergraduate and medical school training at Queen's University. He then moved to Calgary for residency in Plastic & Reconstructive Surgery. Thomas is excited to join the team at SickKids and is looking forward to the next stage of training!



### DR. MARIO AYCART

Mario Aycart was born in Guayaquil, Ecuador and raised in Miami, Florida. He is a graduate of Cornell University. He received a MD from Tufts University School of Medicine and completed a residency in General Surgery at Brigham and Women's Hospital/Harvard Medical School and in July will be a graduate of the Harvard Plastic Surgery Program. During his training, he completed a two-year research fellowship conducting translational and clinical research focusing on nerve regeneration and product development of a decellularized nerve allograft, limb preservation and attenuation of ischemia-reperfusion injury, and outcomes in Vascularized Composite Allotransplantation, in particular face transplantation.



## THE HOSPITAL FOR SICK CHILDREN

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**Dr. Johanna Riesel**



**Dr. Eduardo Gus**



**Dr. Dale Podolsky**



**Dr. Andrea Chan**

*This year has seen our division in transition and evolve with the departure of one of its staff and it is delightful to welcome new members who have joined during the past year.*

The formal announcements are at the beginning of the newsletter but it is a thrill to watch the division move from strength to strength and arguably consist of the highest level of combined talent in any surgical division globally. Welcome to Johanna, Eduardo, Dale, and Andrea!

## THE HOSPITAL FOR SICK CHILDREN



**DR. GREG BORSCHEL**



*This past year also saw Dr. Greg Borschel return home to the US after spending almost 11 years as a division member. Greg took a job as Harbaugh Professor and Chief of Plastic Surgery at Riley Children's Hospital at Indiana University, Indianapolis, Indiana.*

This is one of the top 25 pediatric centers in the US. The division would like to thank Greg for his contributions and wish him well in his future endeavors.

# AWARDS AND APPOINTMENTS: 2021 CSPS LIFETIME ACHIEVEMENT AWARD



**DR. HOWARD CLARKE**  
THE HOSPITAL FOR SICK CHILDREN



## DR. CLARKE'S RULES

1. Dr. Clarke tells the jokes.
2. If something goes wrong, assign blame first.
3. When all else fails, go see the patient.
4. If that doesn't work, take a history.
5. You may dance, but not sing. in the OR.
6. You can never be too rich, too thin, or have too much sural nerve.
7. That which remains following the prep must be eaten by the fellow.
8. All excess gentian violet must be consumed by the scrub nurse.
9. All children must say "goodbye, goof" upon leaving the brachial plexus clinic.
10. All brain transplants shall be performed using either chicken or frog brains.

*The division has been very active during the past 12 months.*

**Dr. Howard Clarke** continues his 3-year transition to retirement (EDC December 2022). His career has been recognized by the Canadian Society of Plastic Surgeons as he was awarded the 2021 Lifetime Achievement Award which he will receive in person at the Quebec meeting in June 2022.

## THE HOSPITAL FOR SICK CHILDREN

**AWARDS AND APPOINTMENTS**  
**GEORGE ARMSTRONG PETERS PRIZE**





Recipient: Dr. Kristen Davidge

Presenter: Dr. Chris Forrest

2021 George Armstrong-Peters Prize

Temerty Medicine

**DR. KRISTEN DAVIDGE**  
**HSC**



DIVISION OF PLASTIC &  
RECONSTRUCTIVE SURGERY



UNIVERSITY OF  
TORONTO

Division of Plastic and Reconstructive Surgery  
Department of Surgery, Faculty of Medicine  
University of Toronto

*Dr. Kristen Davidge was this year's recipient of the George Armstrong Peter's Prize which is the highest recognition the Department bestows on a young investigator who has shown outstanding productivity during his/her initial period as an independent investigator as evidenced by research publications in peer reviewed journals, grants held, and students trained.*

Kristen is a former winner of the Bernie Langer Surgeon Scientist award and the Shafie Fazel award. She also successfully completed the first virtual ASPN in 2020 as Program Chair.

# Welcome to the ICCPCA Webinar Platform



**Collaboration, Compassion, Excellence**  
*Together, for better global cleft care*



ICCPCA International Cleft Webinars

Saturday, 22 May 2021 at 12:00 BST



## “The things I wish I’d known about...” Bilateral Cleft Lip

David Fisher



David Chong

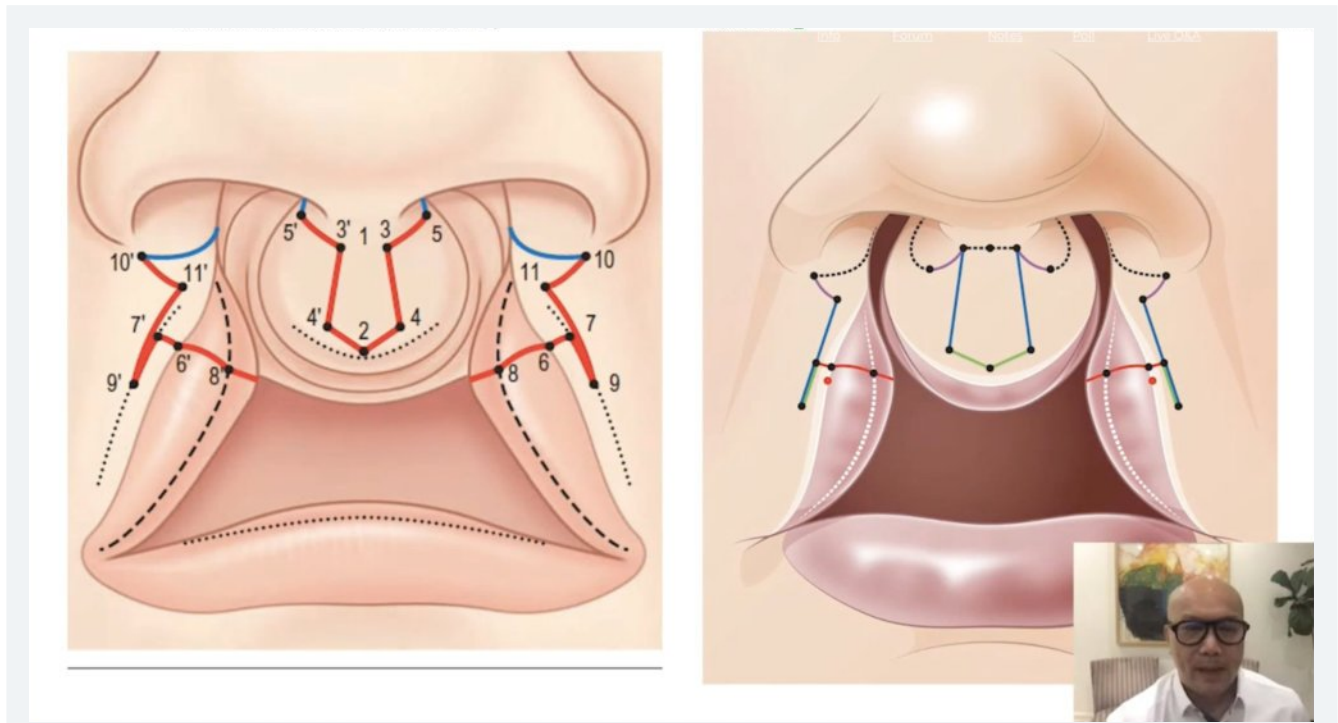
Chairs:

David Sainsbury

Jason Neil-Dwyer



# THE HOSPITAL FOR SICK CHILDREN



## *Dr David Fisher's name continues to be eponymous with excellence in cleft surgery.*

His participation in the ICCPCA International Cleft Webinar Series with former SickKids fellow, Dr. David Chong (Melbourne) on tips and techniques in bilateral cleft lip repair was a tour de force and masterclass in nuances of managing this challenging problem.

## THE HOSPITAL FOR SICK CHILDREN

### W. K. LINDSAY RESEARCH SUPERVISOR AWARD



DR. JOHN PHILLIPS

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*Dr. John Phillips follows his interest in the application of advanced technologies in the world of craniofacial surgery and was the recipient of a 3-year CIHR grant using machine learning to diagnose craniosynostosis.*

John also received the W. K. Lindsay Research Supervisor award chosen by the class of graduating residents.



**Dr. Eduardo Gus**

*Dr. Eduardo Gus who joined the division in February 2021 has been busy apart from his work in pediatric burn surgery, developing a breast surgery program at the Hospital for Sick Children.*

This is very timely in light of the recruitment of Dr. Katie Armstrong in the Transition Surgeries Program.



# THE HOSPITAL FOR SICK CHILDREN

**ReSurge**  
Virtual Grand Rounds

**BUILDING NATIONAL SURGICAL SYSTEMS IN LMICs**

Join us to hear from experts from around the globe about their experiences building surgical capacity.



**DR. JOHANNA RIESEL**  
Pediatric Craniofacial Surgeon, Canada



**DR. JOHN ROSE**  
Plastic and Reconstructive Surgery, USA



**DR. EMMANUEL MAKASA**  
Orthopedics & Trauma Surgeon, Zambia



**DR. SHANKAR RAI**  
ReSurge Country Director, Nepal



**DR. MUMBA CHALWE**  
Urological Surgeon, Zambia

**THURSDAY, DECEMBER 3, 7:00 AM PST**

#VirtualGrandRounds      #ReSurgeVirtual

**Building National Surgical Systems**  
The Surgical, Obstetric, and Anesthetic Workforce

ReSurge International Virtual Grand Rounds

Johanna N. Riesel, MD  
The Hospital for Sick Children  
Toronto, ON  
Canada

*Dr. Johanna Riesel has been successfully recruited as staff with a focus on craniofacial and cleft surgery as Surgeon-Investigator.*

She is currently pursuing a Master's of Health Professions Education through New York University/Maastricht University and has taken on the role of Division Resident Wellness Director.

**5 Key Messages**



**5 BILLION LACK ACCESS**



**143 MILLION ADDITIONAL PROCEDURES NEEDED**



**81 MILLION FACE CATASTROPHIC EXPENSE**



**INVESTMENT \$350B ECONOMIC GROWTH \$12T 2015-2030**



**SURGERY IS AN INDIVISIBLE PART OF HEALTH CARE**

*Dr. Karen Wong Riff continues to lead the division in the world of Patient Reported Outcome Measures with 6 key publications featuring CLEFT-Q, FACE-Q and EAR-Q during the past academic year.*



## **Palatal Fistulas: Prevention, Classification & Treatment**

### **International Cleft Palate Master Course Amsterdam**

1<sup>st</sup> – 2<sup>nd</sup> July 2021 (15:00 – 21:00 Central European Time)

Program director: Prof. dr. C.C. Breugem

An online, interactive digital Master Course that will engage you  
Webinar with breakout sessions and discussion in small groups  
Cadaver illustrations with surgical video explanations  
Surgical tips and tricks from the experts  
Bring in your difficult cases  
Meet new colleagues

[www.cleftpalate.nl](http://www.cleftpalate.nl)

9 CME (Continuing Medical Education) accreditation points  
(Dutch Association of Plastic Surgeons)

Registration fee : € 95

### **Aim**

*This course is for cleft surgeons that want to specifically focus on their surgical technique on how to prevent palatal fistulas. World renowned experts will explain their tips and tricks and how to treat fistula's. Different locations often have numerous surgical options. Advantages and disadvantages will be discussed in an interactive manner. For an optimal interactive Master Course, an inventory questionnaire will be obtained from all participants before the meeting. There will interactive videos and lots of time to discuss surgical refinements. This course will include cadaver samples where possible, while surgeons will explain their surgical technique with the help of video footage.*

# THE HOSPITAL FOR SICK CHILDREN

**Journal Club 2021 Spring (2)**

## 10 JOURNAL ARTICLES ON SURGICAL SIMULATION EVERY PLASTIC SURGERY RESIDENT SHOULD READ

By Dale Podolsky, MD, PhD & Christopher Forrest, MD, MSc

**S**urgical simulation is playing an increasingly prominent role in plastic and reconstructive surgery training. Pressing public demand for patient safety, both in terms of reducing and enhancing surgical efficiency impact the curriculum and hands-on experience necessary for residents to reach competency. This is particularly evident during the ongoing COVID-19 pandemic. Surgical simulation can be used to improve and assess technical skills, and to provide practice without compromising patient safety; that is, to train and evaluate techniques without the time pressures of the OR environment, and to allow to provide focus on specific technical aspects of complex procedures.

The following articles provide a background on the value of surgical simulation, the development and utilization of simulation tools, and finally, an overview of available plastic surgery specific simulation that have been developed, tested and refined for resident use.

- 1. Teaching Surgical Skills - Changes in the Wind**  
Russek, Richard. *Journal of Surgery 2008*; 135(2):148-51.  
This review article in *The New England Journal of Medicine* provides an excellent summary of the evolution, history, and important issues associated with surgical simulation. Highlights of the article include a description of the original reasons for simulation, the three behind making high levels of proficiency, the advantages and disadvantages of different simulation modalities and the reasons supporting the efficacy of simulation in teaching and learning.
- 2. Surgical Simulation: A Vindicta Post Mortem**  
Russek, Richard. *Journal of Surgery 2008*; 135(2):148-51.  
This short article provides an excellent case for the important role of surgical simulation in the future of surgical education. Surgical simulation augments and complements, but does not replace the traditional role of the operating room. Emphasis is placed on simulation being an adjunct and not a replacement for learning in the actual OR. The article also reviews a simulated OR environment developed at Imperial College, London.
- 3. Testing technical skill via an innovative 'teach-staff' examination**  
Russek, Richard, Ruppel, Glenn, McEllis, Helen, Martin, Jonathan, McCulloch, Wendy. *The American Journal of Surgery 1997*; 173(3):206-208.  
This final article in this series by Dr. Russek, a pioneer in surgical education, describes one of the first technical assessment tools developed and refined for objective evaluation of surgical resident technical skills during night teaching simulation sessions. For each station, the resident's technical performance was assessed using a task-specific scale. Subjective structure and assessment of individual skill (CNSATS) and global rating scale. The resident-based high inter-rater reliability and construct validity, suggesting the CNSATS can effectively be used to assess residents' technical ability within the OR, using bench model simulation.
- 4. Technical Skills Assessment Toolkits: A Review Using the Utility Framework of Validity**  
Chaffin, Bruce, Mackay, James Park, Vera. *Surgical Journal of Surgery 2018*; 145(2):191-202.  
The traditional method of evaluating the validity of assessment tools from the concepts of face, construct and criterion validity. This article provides a different conceptual framework of validity as proposed by Novick, and argues that the traditional methods of assessing validity have significant limitations. The more comprehensive theory presented in this article assessment tool as being valid or invalid, rather, to argue that assessment tools should be more appropriate than whether evidence seems to support their use and effectiveness. The general domains for distribution, process response, internal structure, relations to other variables and consequences. Using these domains, assessment tools can be tested, developed and refined using more rigorous methods and evidence.
- 5. Acquisition and Maintenance of Medical Expertise: A Perspective From the Expert Performance Approach With Deliberate Practice**  
Ericsson K.A. *Academic Medicine 2015*; 90(11):1473-1486.  
Anders Ericsson, whose theories became popularized by Malcolm Gladwell in describing the "10,000-hour rule", wrote this article discussing the acquisition and maintenance of medical expertise. The review focuses on the expert performance approach and the importance of deliberate practice. Deliberate practice requires feedback from an expert. The article provides a review of the evidence on how to reach expert-level performance within the medical field, with particular attention to surgical skill.
- 6. Simulation in Plastic Surgery Training and Education: The Path Forward**  
Rosen, Joseph M., Long, Joseph A., McCulloch, Dennis M., Gano, Sarah R. *Plastic and Reconstructive Surgery 2018*; 141(2):529-536.  
The authors present an excellent review, focusing specifically on plastic surgery education. The introduction reviews deliberate simulation and provides valuable technical content. A comprehensive review includes teaching simulation, resident, resident, resident and resident. A discussion of the utilization of simulation in an operative and simulation sessions to improve surgical skill. The phases of implementation begin with a focus on the basic skills required, followed by procedural training when cognitive learning is introduced. Finally, team training, teamwork, communication, leadership and workload distribution to improve operating room efficiency.
- 7. Assessing Technical Performance and Determining the Learning Curve in Cleft Palate Surgery Using a High Fidelity Cleft Palate Simulator**  
Podolsky, Dale J., Fisher, David M., Wong, Kwan W. *Plastic and Reconstructive Surgery 2018*; 141(4):1481-1490.  
This study involved evaluation of a high-fidelity cleft palate simulator to determine the optimal learning curve for the simulated cleft palate repair. This first required developing a cleft palate specific rating scale, the "cleft palate algorithm assessment of technical skill (CNSATS)". The simulator was then utilized by resident trainees in a supervised training curriculum of repeated practice. None of the residents used the simulator for the first time using the simulator used in this review. The simulated resident score (CNSATS) was significantly higher than the actual resident score (CNSATS). The results demonstrated improved performance with repeated use. Using simulated training techniques, it was determined that all 10 simulated residents were required to reach maximum competence, and 10 residents were required to reach expert-level performance in simulated cleft palate repair.
- 8. Current Status of Simulation and Training Models in Microsurgery: A Systematic Review**  
Joshi, P., Anka, A., Williams, P.S., Dunne, P., Ahmad, K. *Microsurgery 2019*; 43(2):145-148.  
Microsurgery requires a high level of dexterity and practice. The use of simulation may be important to O.R. experience but because microvascular anastomosis is a complex learning program, this paper provides a comprehensive review of the available training models available. Eighty-two studies were included, with 33 studies describing practice models that use largely simulated hand skills training. These studies described different anatomical parts of a cadaver, and practice models, experimental or bench and cadaveric also were described. Human cadavers, tissue has been used, including phantoms and artificial skin. Low animal models were commonly favored by the use. Finally, six studies described virtual reality models. Each of the studies were assessed for face, content, construct, validity and external validity.
- 9. 3D Printed Hand Surgical Simulator for Resident Training**  
Farrall, David A., Miller, Sarah C., Chalmers, Justin R., Joseph, Vanitha S., McCulloch, W. Thomas. *Plastic and Reconstructive Surgery 2019*; 143(2):378-384.  
This is an innovative paper that describes a hand surgery simulator. The simulator has been demonstrated to be effective in teaching residents with these difficult cases. It features a 3D printed digital hand structure, and the authors demonstrate the use of the simulator for a 6-week. The results demonstrate excellent simulation of sutured performed using the simulator. The clear advantages to having and to be obtained by application of an average grade over the world. The simulator appears to be a great tool for 6-week trainees but has the evidence required to determine more complex hand sutured procedures. As this is an innovative paper, the simulator had a knowledge that no available has been performed investigating its value and effectiveness as a training tool.
- 10. A Novel Monomorphous Part-Tank Tool for Simulation of Breast Augmentation: Description and Evaluation**  
Kwan, Roy, Coombs, Gregory C., Swanda, Howard, Thomas M.G. *Plastic and Reconstructive Surgery 2019*; 143(2):385-394.  
This paper describes the most advanced prototype simulator developed for augmentation mammoplasty. The simulator includes individualized silicone to represent the different tissue components during breast augmentation. The simulator is constructed by hand-molded plastic components using a 3D printing process. The simulator is used to evaluate the value of training and to evaluate the value of training. The authors should be commended for including the multiple tissue layers. The authors describe the simulator has excellent potential for training residents while improving their development and technical performance.

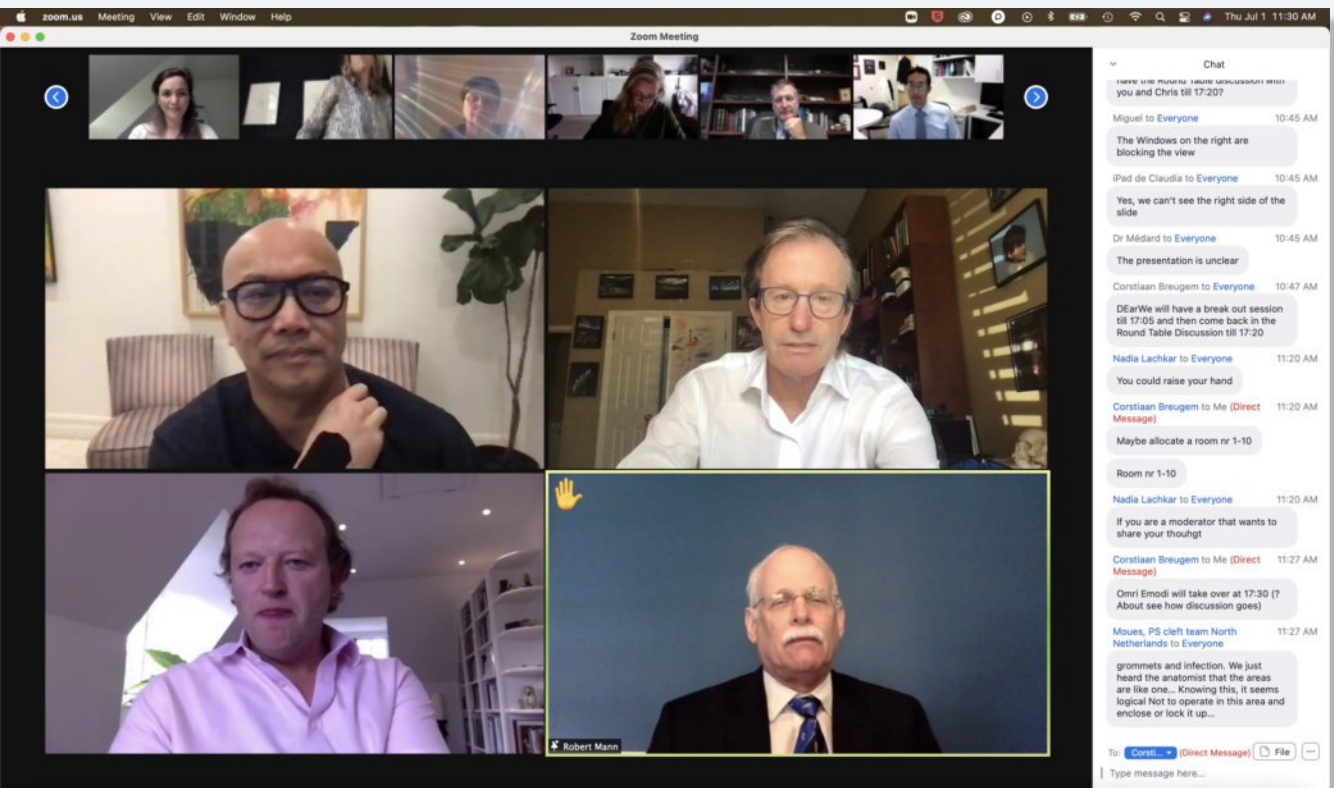
PLASTIC SURGERY  
**RESIDENT**  
Get to know ASPS President Joseph Losee, MD  
Society leaders share his unconventional path to plastic surgery in Inaugural President's Feed  
page 54

**Residency is almost over – now what?**  
Veteran plastic surgeons reveal the pros and cons of joining a private practice  
page 4

**Time management and the resident psyche**  
How to overcome mental clutter and stress the right mindset to get those nagging projects done  
page 12

**IN THIS ISSUE**

- Consult Corner: Facing potential finger ischemia p. 18
- Program Peek: University of Miami Division of Plastic Surgery p. 22
- What I know now that I wish I knew then: Research Edition p. 37



Dr. Chris Forrest participated in the two day zoom event on Palatal Fistulas with a number of experts from around the globe.

Note Marc Swan and David Chong in the screenshot with Bob Mann and CRF



**Imperial College Healthcare**  
NHS Trust

## Conjoined Twins

*RMZ Experience*

| Type         | Sets | Children | Survivors |
|--------------|------|----------|-----------|
| Omphalopagus | 3    | 6        | 5         |
| Ischiopagus  | 4    | 8        | 7         |
| Craniopagus  | 1    | 2        | 1         |
| Total        | 8    | 16       | 13        |

*Dr. Ron Zuker gave a remarkable lecture through the Imperial College Healthcare - NHS Trust, London entitled "Conjoined Twins: Etiology, Classification, Surgical Separation and Lessons Learned" sharing his remarkable experience in the separation of 8 sets of conjoined twins during his almost 4 decade long career at SickKids.*

## THE HOSPITAL FOR SICK CHILDREN

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**Dr. Terrence Kwan-Wong** has developed an innovative surgical program to manage the huge load of referrals for polydactyly in infants providing care for the patients in an out-patient setting in the plastic surgery clinic.

**Dr. Joel Fish** is breathing a huge sigh of relief now that he has a comrade in arms to help manage the pediatric burn program. However, not one to rest on his laurels, he has a lot to be proud of. Check it out below (thanks to Jenn Zuccaro).

### ABA/Shriners Best Pediatric Burn Paper Award

**Jennifer Zuccaro, PhD**  
Hospital for Sick Children  
Toronto, Canada



**Dr. Whitney Quong**

### Burn Program Awards

**Jennifer Zuccaro** was awarded the “ABA/Shriners Best Pediatric Burn Paper Award” at this year’s American Burn Association meeting for her doctoral work investigating the use of laser therapy for hypertrophic burns scars in children.

**Whitney Quong** (SSTP trainee) recently received two graduate awards including the “Mentor Medical Systems Canada Graduate Scholarship in Plastic, Reconstructive & Aesthetic Surgery” as well as the “Wally Peters Surgeon Scientist Award.”

# The Effectiveness of Laser Therapy for Hypertrophic Burn Scars in Pediatric Patients: A Prospective Investigation

Jennifer Zuccaro, PhD  
Joel Fish, MD, MSc, FRCS  
Charis Kelly, RN (EC), MN, NP



PSI  
FOUNDATION



Institute of Medical Science  
UNIVERSITY OF TORONTO

## Burn Program Presentations

### American Burn Association Annual Meeting

This year's American Burn Association meeting featured numerous presentations from members of the SickKids' Burn Team. Although this year's meeting was held virtually, the team is hoping to attend next year's meeting in person in sunny Las Vegas!

## SEPSIS IN BURNS: CHALLENGES AND CURRENT CONCEPTS

**Eduardo Gus MD**

Pediatric Burn Program, The Hospital for Sick Children, Toronto, Canada  
Assistant Professor, University of Toronto



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UNIVERSITY OF TORONTO



# THE HOSPITAL FOR SICK CHILDREN

## Burn unit design – the missing link for quality and safety

*Eduardo Gus, MD; Stian Kreken Almeland, MD, PhD; David Barnes, MBChB, BMSc, MSc, FRCS; Moustafa Elmasry, MD, PhD; Yvonne Singer, RN, BSc, GDipClinNur, CF; Folke Sjöberg, MD, PhD; Ingrid Steinvall, PhD; Paul van Zuijlen, MD, PhD; Heather Cleland, MBBS, FRACS*

**INTRODUCTION:** An effective relationship between infrastructure, technology and human resources not only improves patient outcomes and safety, but can promote staff productivity and satisfaction, which in turn increases retention of personnel, and decreases cost.

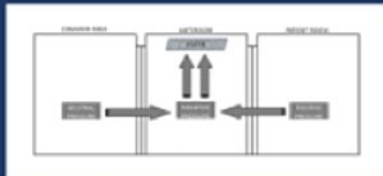
A burn unit should provide a structure in which clinicians interact with patients within a context that supports comprehensive patient-centred care. The objective of this review is to identify key features of burn unit design that support functions that deliver best practice in a comprehensive patient-centred model of care.

**METHODS:** Searches on medical, architectural and engineering sources were conducted between May and August 2020. We included articles in English, published between January 1990 and May 2020, on any feature relevant to burn unit design and planning.

**RESULTS:** The search strategy resulted in a total of 77 papers. Once duplicates were removed, and exclusion criteria were applied, 24 studies, in addition to 6 burn association's guidelines, were included in the review.

**MAIN FINDINGS:**

- **STAND-ALONE CLOSED UNIT versus MULTIPLE-ETIOLOGY GENERAL FACILITY:** conflicting information with regard to infection rates was found;
- **SINGLE-BED, ISOLATED ROOMS:** a single study compared infection rates in shared rooms versus isolated, single-bed rooms, and showed a difference in gram-negative bacteremia and improved survival. Potential major confounders were found in this study;



- **VENTILATION SYSTEM:** burn patients are both the source and end-target of airborne contamination. Therefore, neither traditionally configured positive or negative pressure rooms are suitable. Pressure protected anterooms have been suggested as a solution. Authors agree that HEPA filters are of benefit, but there is no evidence linking these features with clinical outcomes;

- **NOISE LEVEL:** studies have shown that noise level in burn ICUs are inappropriate and may interfere in wound healing and in the well-being of patients and staff. No definitive solution has been suggested;
- **DECONTAMINATION SYSTEM:** novel environmental techniques such as UV-C light and hydrogen peroxide vapor may mitigate infection spread; however, these technologies require design interventions to ensure safety to patients and staff;



*Burn Associations' guidelines focus mainly on processes, with minimal design recommendations; Despite the 30-year period we have searched, studies to include in this review were few. Even fewer were studies that linked design interventions with clinical outcomes; Studies on paramount topics, such as telemedicine and data management infrastructure, resuscitation rooms, rehabilitation gyms, among others are lacking.*

*A working party composed of professionals across all disciplines, including infection prevention and other medical specialties, as well as architects, planners and patient safety experts should be developed in order to establish an international multidisciplinary statement regarding the ideal and minimal requirements for burn unit design.*

*Gus E, Almeland SK, Barnes D, Elmasry M, Singer Y, Sjöberg F, Steinvall I, van Zuijlen P, Cleland H. Burn unit design - the missing link for quality and safety. J Burn Care Res. 2021 Jan 23:irab011. doi: 10.1093/jbcr/irab011. Epub ahead of print. PMID: 33484267.*

## LIFE

# Tips on keeping kids safe from burns

SM

By Sarah Moore Special to the Star  
Wed., April 21, 2021 | 4 min. read

Years ago, while enjoying a family campfire outdoors, one of my sons inadvertently flung a burning marshmallow from the end of his roasting stick. Fortunately, no one was hit – it struck a tree and flamed out. While disaster was averted, it was a potent reminder of how mindful we need to be around fire.

The burn unit at The Hospital for Sick Children is among its busiest emergency services. What's more, pediatric nurse practitioner Charis Kelly says that since the pandemic the number of patients seen at the burn unit has doubled. Here, she shares tips on how to keep your children safe from burns. The good news? There are steps parents can take to prevent tragedy.

**What are some of the most common injuries you see at the burn unit?**

## ADVERTISEMENT

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## Burn Program in the news

This is a great article featuring Burn Clinical Nurse Practitioner Charis Kelly highlighting prevention and safety.

<https://www.thestar.com/life/2021/04/20/tips-on-keeping-kids-safe-from-burns.html>



## THE HOSPITAL FOR SICK CHILDREN



### PanScotland Teaching in Paediatric Plastic Surgery Day

Numerous Division members including **Joel Fish**, **Eduardo Gus**, **Charis Kelly**, **Kristen Davidge**, and **Emily Ho** presented at the PanScotland Teaching in Paediatric Plastic Surgery Day that was organized by former SickKids' fellow, **Jennifer Greenhowe**. Several other former fellows trained at SickKids also presented including **Hatem Alnoman** and **Maiju Harma**.



### Burn Program Patient Care

The Burn Team at SickKids along with over 100 other healthcare providers worked tirelessly to allow a young patient with an extensive burn injury to return home in time for Easter. The treatment of this patient's large body surface area burn involved the combined use of a novel skin replacement product developed at the University of Laval, as well as a new, temporary dermal matrix that was obtained through the Health Canada Special Access Program first time use in Canada. Ultimately, the combined use of these two technologies allowed for the unprecedented survival of this child following an extensive and life-threatening burn injury.



### Burn Program Academics

**Jennifer Zuccaro** (supervisor – Dr. Joel Fish) successfully completed her doctoral work focused on the use of laser therapy for hypertrophic burn scars and convocated at the University of Toronto in November.

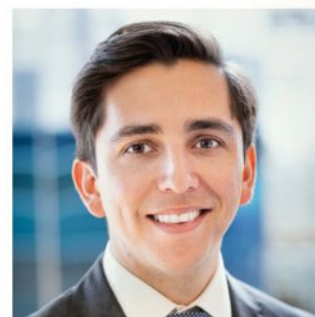
## THE HOSPITAL FOR SICK CHILDREN



### DR. HUGH G. THOMSON HUMANITARIAN AWARD



DR. JOSEPHINE D'ABBONDANZA



DR. ADAM MOSA

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DIVISION OF PLASTIC &  
RECONSTRUCTIVE SURGERY



UNIVERSITY OF  
TORONTO

Division of Plastic and Reconstructive Surgery  
Department of Surgery, Faculty of Medicine  
University of Toronto

### Hugh G. Thomson Humanitarian Award

*Dr. Hugh G. Thomson, MD, MSc, FRCSC (1930 – 2012) was Professor Emeritus in the Division of Plastic and Reconstructive Surgery, University of Toronto and staff surgeon at the Hospital for Sick Children for 43 years (1960 – 2003).*

During his tenure, he mentored and influenced hundreds of students, residents and fellows and was integral in shaping the Canadian Society of Plastic Surgeons with the introduction of the “Resident’s Corner” and “Beyond the Knife”. Above all, Dr. T was known for his values of collegiality, honesty, generosity, mentorship and humanitarianism. To commemorate his legacy, the Thomson family and the Division of Plastic and Reconstructive Surgery at the Hospital for Sick Children have established an award in his name to be given to the trainee in Plastic and Reconstructive Surgery who best emulates his philosophies as a humanitarian. This year’s award was handed out to **Dr. Josephine D’abbondanza** and **Dr. Adam Mosa**. Both were nominated by their peers and are highly deserving of this award. Congratulations to you both! Dr. T would have been very proud!

# DAN WHITE

THE MAGICIAN

*So what is the best way to celebrate the academic year in a pandemic? A magic show of course!*

Thanks to Dr. Karen Wong Riff for suggesting and organizing this! Check out the website. Don't let his GQ looks fool you - he was aaaaaawesome!!! I can't give anything away but he was uncanny in how he put the show together and despite the fact that there were over 130 people on the event, the Toronto crew seemed to be his favorite in terms of audience participation.

<http://www.danwhite.tv>



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A MYSTERIOUS AND IMMERSIVE NEW SPECTACLE

# THE MAGICIAN

STARRING THE WORLD RENOWNED CONJUROR

DAN WHITE

WHO WILL PERFORM HIS MARVELS OF MAGIC



# THE HOSPITAL FOR SICK CHILDREN



# THE HOSPITAL FOR SICK CHILDREN

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**And finally...  
summer is  
definitely here!**

Ian and Anna with Alexander (in the hat) relaxing with Ruthie (in black), Johanna and Izzy

# MICHAEL GARRON HOSPITAL

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## MICHAEL GARRON HOSPITAL



**Dr. Linda Dvali**  
Division Head

*MGH has been undergoing some reconstruction of a new campus despite the COVID restrictions in surgical activity this year. The new redevelopment will be offering new ambulatory clinics for surgery and a Minor surgical suite.*

A simulation suite, Michael MacMillan and Cathy Spoel terrace overlooking the city skyline, a wellness center offering massage, physio and fitness facilities will also be housed in the new Ken and Marilyn Thomson Patient Care Centre. Project timeline is August 2022 for moving in.



**Dr. Brett Beber**

MGH opened the first Covid Testing Center in Canada. It was one of the eighteen hospitals in Ontario to initially obtain the Pfizer vaccine and was instrumental in vaccine distribution to health care workers from UHN, CamH, North York General, Toronto Police and Fire Department Services and HSC. MGH physicians have been quite vocal on health care strategies. The community outreach to East York Long Term Care Homes and at-risk communities in terms of covid testing centers, vaccination services and pop ups has been tremendous. Surgeons have been actively involved in both covid testing and vaccine delivery. MGH also set a Canadian record for delivering 10,000 vaccines in 24 hours.

## MICHAEL GARRON HOSPITAL



**Dr. Atul Kesarwani**

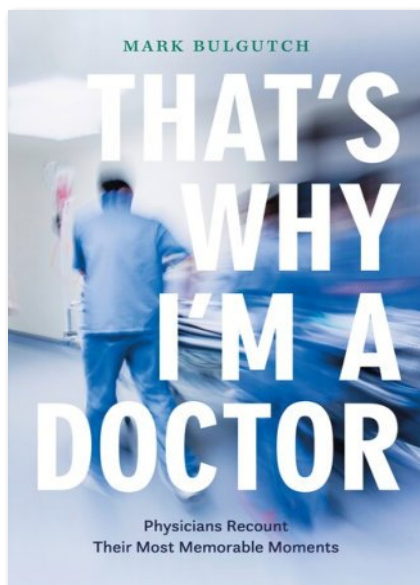
*The Department of Surgery decided to take “Wellness” a step into the wild side by inviting the Department of Anaesthesia to join them in a Zoom Murder Mystery.*

Dinner was delivered and no requests could be made for the murder victim fortunately. Great fun was had by all and **Dr. Kesarwani** won Best Costume!



**Dr. Laura Tate**

**Dr. Tate** has a chapter in a book by Mark Bulgutch “That’s Why I’m a Doctor” – Physicians Recount Their Most Memorable Moments, Douglas and McIntyre 2020. She is also a Peer Assessor for the CPSO and submitted artwork to Dr. John Semple’s online initiative highlighting artistic endeavors of surgeons across specialties at the University of Toronto.



**Dr. Tate** is the Wellness representative for the Department of Surgery and has proposed the idea of adding one case per M and M rounds to be presented highlighting a story where a surgeon is especially excited about how well a case went, what was involved in making the success, how the surgery changed the patient’s lease on life so to speak. We have added a short vignette at the end of our Department of Surgery meeting monthly as well.

**Dr. Linda Dvali** is an examiner for the Royal College annually. She is the Judge for the JF Murray Hand Surgery Award at the CSPS this year. Linda has been nominated for Vice President of our Medical Staff Association. We would like to Thank her for the tremendous time commitment she has made zooming in to the seeming endless meetings this year representing our division.

## NORTH YORK GENERAL HOSPITAL

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**Dr. Mary-Helen Mahoney**  
Rotation Site Supervisor

*North York General Hospital is a community hospital affiliated with the University of Toronto with residents across all surgical programs and numerous medical students. Our Division of Plastic Surgery continues to offer a breadth of general plastic surgery procedures to our community, with a strong focus in breast reconstruction.*

Despite COVID-19 causing a fair amount of shutdown for our specialty at NYGH last spring, we have been lucky to have the opportunity to continue to train Senior Residents at our hospital. Over the past year we have had the pleasure of training **Drs. Tomas Saun, Kevin Zuo and Hélène Retrouvey**. Their commitment and keenness to learn adds some spice to our own practices, and definitely keeps us on our toes!

Despite the pandemic, the Breast Reconstruction Program at NYGH has been very busy. Development of a comprehensive database has allowed us to analyze our clinical outcomes. We are currently working on two studies focusing on our oncoplastic patient population – the first will analyze our outcomes over 100 consecutive oncoplastic cases, and describe our experience with local chest wall perforator flaps for lumpectomy reconstruction. We are looking forward to sharing and expanding this database to the rest of the city. **Drs. Somogyi and Jalil** have performed their first few neurotized DIEP breast reconstructions, and microsurgical lymph node transfers.

### Staff Updates:

*Dr. Waqqas Jalil is the most recent addition to our Division and we are fortunate to have his expert microsurgical skills – especially as it offers many more options to our breast reconstruction patients.*

He has joined forces with **Dr. Somogyi** under their new practice FORM Face + Body.

**Dr. Mary-Helen Mahoney** continues to serve as the Site Chief for the Residency Training Program at NYGH. Her primary clinical focus is Immediate Breast Reconstruction - implant-based and oncoplastic breast surgery.

The volatile past year has offered her the surprising opportunity to navigate homeschooling from Kindergarten to Grade 4! She has enjoyed the extra time with her family and the slower pace of life at the cottage whenever possible.



**Dr. Waqqas N. Jalil**



Monkey Bar Direct V8, Red Rocks, Nevada,  
March 2020



Climbing Necromancer V9, Niagara Glen, April 2021,  
becoming the oldest climber ever to complete this climb

## NORTH YORK GENERAL HOSPITAL

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**Dr. Yasser El-Sheikh**

*Dr. Yasser El-Sheikh is our primary Hand Surgeon at NYGH, with a subspecialty in Peripheral Nerve surgery. When he is not carefully dissecting and working under the microscope, he astounds us all with his climbing skills.*

He has taken advantage of the clinical slowdown during the pandemic and has put in a lot of hours training. He had some notable ascents in the past 12 months as a result:

1. Climbed his hardest boulder to date at the beginning of the pandemic; Monkey Bar Direct V8, Red Rocks, Nevada, March 2020 (1st photo).
2. Topped his personal best again this year, climbing Necromancer V9, Niagara Glen, April 2021, becoming the oldest climber ever to complete this climb (2nd photo)
3. This winter was Ranked #1 in Canada for outdoor bouldering scores in climbers aged >40 years.



**Dr. Petra Schiller**

*Dr. Petra Schiller offers a wide range of Plastic Surgery procedures to the North York community. She has also had extra time this past year to enjoy with her family.*

Dr. Sean Rice is entering his third year as Chief of the Division of Plastic Surgery at NYGH. He has had a busy year navigating the rapid changes with the pandemic and resource restrictions. He also has a thriving private practice offering all aspects of and evolving techniques in cosmetic surgery.



**Dr. Ron B. Somogyi**

*Dr. Ron Somogyi has taken advantage of the past year's downtime to focus on breast reconstruction research which lead to the submission of a paper from the database for publication - this paper looks at outcomes between Dual Plane Direct to Implant Reconstruction and Pre-Pec Reconstruction, Without The Use of Additional Acellular Dermal Matrix.*

As mentioned above, he has joined forces with Dr. Jalil under their new practice FORM Face + Body.

Despite the tough year, he's tried to find effective ways to stay busy. He has taken up Meat Aging and Curing and is working on his grade 7 math with his son and grade 5 English with his daughter!

## ROSS TILLEY BURN CENTRE

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**Dr. Marc Jeschke**  
Director

*The Ross Tilley Burn Centre is located at Sunnybrook Health Sciences Centre. The burn centre is equipped with fourteen beds including ten ICU beds and four intermediate beds, a resuscitation room, as well as its own OR. Our burn centre functions as a fully autonomous entity.*

The burn centre is staffed by a multidisciplinary team comprised of burn surgeons, nurses, respiratory therapists, dietitians, physiotherapists, occupational therapists, social workers, pharmacists, speech-language pathologists, other support staff, and physicians such as physiatrists (rehabilitation physicians), psychiatrists, critical care physicians, anesthesiologists, and geriatric physicians. We have five surgeons dedicated to burn surgery as staff. We have two fellows and typically 10-12 residents rotating through the burn centre yearly. Our clinical focus is the care of acute burn patients but also spans care over many years in terms of restoring lives and quality of life. Additionally, we also treat patients with acute and complex wounds, as well as scars.



**Dr. Ghadah Alkhalefah**

Over 2020-2021, the Ross Tilley Burn Centre had a busy year, and we experienced many of the same challenges and complexities that other divisions and programs had. The Ross Tilley Burn Centre maintained admission numbers during the pandemic, and OR needs and operations were conducted. We continue to have a surgical team of five surgeons.

### Arrivals/Departures

Over the last year, the Ross Tilley Burn Centre had two fellows, **Dr. Alexander Gerdom** from Belgium, and **Dr. Samuel Chen** from Alberta. Both completed successfully their Burn Fellowships. Dr. Alex Gerdom is now joining SickKids for an additional year of a Fellowship, and Dr. Sam Chen is starting his global surgery staff appointment and his general surgery job in Angola this year.

We also welcomed **Dr. Vincent Choi** from Australia to complete a one-month Fellowship to the burn centre, as well as **Dr. Elias Andrawus**. **Dr. Andrawus** is a Critical Care Fellow and joined us for three months at the Ross Tilley Burn Centre.



**Dr. Dani Kruchevsky**

From 2021 to 2022, we will welcome **Dr. Ghadah Alkhalefah** and **Dr. Dani Kruchevsky** as Fellows. Dr. Ghadah Alkhalefah is a board-certified plastic surgeon from Saudi Arabia. She completed her training in plastic and reconstructive surgery at King Faisal Specialist Hospital and Research Center in Riyadh, Saudi Arabia. Her interests include acute and chronic burn management, hand surgery, breast reconstruction and complex wound management. Outside the operating room, she enjoys travelling, cooking, and learning new languages. Dr. Kruchevsky is from Israel and obtained his medical degree at Technion Medical School and completed his residency in Plastic and Reconstructive Surgery at the Rambam Medical Center in

## ROSS TILLEY BURN CENTRE

Haifa, Israel. During his residency my research focused on the epidemiology of burns and biocompatible wound dressings. During his spare time, he enjoys traveling with his family, hiking, and playing basketball.

### Accomplishments of the past year

The focus of the Ross Tilley Burn Centre was the reverification process in June 2021, by the American Burn Association. Due to travel restrictions, this vigorous process was conducted completely online and, while we are waiting for the official results, the reviewers indicated that they will recommend reverification of the Ross Tilley Burn Centre. This is the fourth verification for the Ross Tilley Burn Centre, indicating continuous success and the team's outstanding performance.

RTBC and its Director **Dr. Marc Jeschke** had a programmatic review of his 10-year term. The review was conducted online and the reviewers were impressed with the accomplishments over the last 10 years. This review now leads to the search for a new director as the term for Dr. Jeschke has ended.

**Dr. Rob Cartotto** finishes his last year as Chair of the Program Committee for the American Burn Association. His last meeting that he will chair will be in March 2022 in Las Vegas.

**Dr. Jeschke** completed his term as President of the Shock Society in June 2021. He led the Shock Society for two years, and is now an immediate Past President. Dr. Jeschke was also elected in May 2021 to Secretary Treasurer of the Surgical Infection Society, and he started that role as of June 2021. Dr. Jeschke continues to lead the Canadian Burn Association as President.

The Canadian Burn Association's Program chair **Dr. Shahriar Shahrokhi** will hold an in-person meeting in December 2021 at the CHUM Centre in Montreal. We are very excited that this will be an in-person meeting.

### Invited Lectures/Visiting Professors/ CME Events

Dr. Marc Jeschke

- |          |   |
|----------|---|
| 2021 May | Distinguished Lecture. Feinstein Institutes for Medical Research, Northwell Health. New York. Lecture on Skin Regeneration and Stem Cells, an Odyssey of Modern Times.    |
| 2021 Feb | Invited Speaker and Panelist. BFIRST/BBA/BAPRAS/RESURGE AFRICA webinar on Burn Injuries and Medication. Global webinar.   |
| 2020 Dec | Invited Speaker. Round Table Discussion, Laser in Burns, Global Initiative, ISBI.   |
| 2020 Nov | Distinguished Lecture. BFIRST/BBA/BAPRAS/RESURGE AFRICA webinar on Burn Hypermetabolism. Global webinar.  |
| 2020 Nov | Distinguished Lecture. Center for Translational Medicine and Department of Pharmacology Temple University Lewis Katz School of Medicine, Philadelphia, PA. United States. |

### Future plans

The RTBC began the search for a new medical director and the search process is underway.

## ROSS TILLEY BURN CENTRE

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**Dr. Shahriar Shahrokhi**

### Special Events/Awards/Recognitions

#### Canadian Burn Association

*The Ross Tilley Burn Centre was instrumental to the Canadian Burn Association (CBA) inaugural meeting in Ottawa in 2019. Bylaws for the association are written.*

It will now be an annual meeting that includes approximately 300 attendees from all aspects of burn care and wound providers. This is a fledgling association that is critical as it brings care providers across Canada together. We will continue to build the Canadian Burn Association, in order to provide excellent care.



| CBA Council-at-Large

As the 2020 meeting was cancelled, we are very excited that the 2021 meeting will be held in-person in Montreal. Dr. Shahriar Shahrokhi, Program Chair, has assembled a program committee that will organize a fantastic meeting – and it will be so nice to see everybody in person.



# ROSS TILLEY BURN CENTRE



**Dr. Rob Cartotto**

## Grants

**Dr. Marc Jeschke**

**2020 May – 2024 Apr**

**Principal Investigator.** Burn induces hypermetabolism via browning of the white adipose tissue. National Institutes of Health. National Institute of General Medical Sciences. R01GM133961. 1,301,997 USD.

**2019 Apr - 2020 Sep**

**Principal Investigator.** A phase I, randomized, safety, and efficacy trial of autologous burn-derived stem cells for wound healing. Ontario Institute for Regenerative Medicine. Disease Team Grant. 450,000 CAD.

**Dr. Rob Cartotto**

Initiation of ABRUPT-2 Study (Co-PI, US DOD 3.2 million USD funded RCT on albumin vs crystalloid burn resuscitation JPC-6/CCCRP) JW 180038.)

**Dr. Alan Rogers**

Innovation AFP grant recipient - \$100 000 - PI - Virtual Reality in Burns.



**Dr. Alan Rogers**

## Patient-Centred Care

Our Social Worker, Anne Hayward, coordinated the completion of an updated RTBC Going Home Discharge Brochure in consultation with staff and patients and families. We were awarded \$1,000 from Sunnybrook’s Patient and Family Education Fund to translate the brochure into Simplified Chinese and Punjabi (top two languages per RTBC’s Burn Registry). Anne and Sarah Rehou, Research Coordinator, championed this project; the brochures have been translated and are available along with the English brochure to be given out to all patients on discharge. The brochures received the Hospital’s “Made with Patient/Family Input” seal of approval. All the brochures are AODA compliant and have been uploaded to the RTBC website. This reduces the risk of error and promotes patient safety as language should not be a barrier to accessing and understanding what is required to optimize healthcare in following instructions on discharge.



Discharge Brochures in Simplified Chinese and in Punjabi

## ROSS TILLEY BURN CENTRE



Sarah Rehou, Research Coordinator, with Residents of Encampments and Street Outreach Workers at a Fire Safety Training Session

### Burn Prevention and Awareness

*The burn centre works closely with Communications and Stakeholder Relations at Sunnybrook to amplify the message of burn injury prevention. We have significantly increased our social media presence and strategize injury prevention based on seasonal trends and based on real-time information.*

A recent and more unique example of burn prevention can be seen with the development of a Fire Safety Manual, spearheaded by our Research Coordinator, Sarah Rehou. Due to COVID, there was an increase in homelessness, shelter use, and encampments. We saw a marked increase of homeless people from encampments being admitted to the burn centre because people were just trying to stay warm. In response, our team formed consisting of representatives from the burn research community and organizations that do street outreach including Sanctuary Toronto, The Encampment Support Network (ESN), and The Common Table at Redeemer. We created a fire safety and burn prevention training manual developed in collaboration with outreach workers and those experiencing homelessness. Our goal is to train people in encampments to keep people safe. To guide the training manual, we conducted surveys and held workshops to engage encampment residents and incorporate feedback into the manual. We raised funds and purchased fire extinguishers, fire blankets, and first aid kits that we distribute during training. This fire safety manual focuses on fire safety tips based on real-life situations experienced by folks living outdoors.

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## ROSS TILLEY BURN CENTRE

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## ROSS TILLEY BURN CENTRE

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# SUNNYBROOK HEALTH SCIENCES CENTRE



**Dr. Oleh Antonyshyn**

*The Sunnybrook Division of Plastic Surgery comprises 6 full time Plastic and Reconstructive Surgeons and 4 full time Burn Surgeons. The Plastics division is unique in that it comprises a pair of surgeons within each subspecialty of craniomaxillofacial, hand and breast reconstruction.*

**Dr. Oleh Antonyshyn** continues his innovative translational work in CMF reconstruction with a new patented formable mesh for correcting bone defects: Publication number: 20210022868, as well as his continued work in global surgery with a highly successful Educational Symposium for the Sunnybrook Ukraine Surgical Educational Initiative held in May. This was The 2nd Annual Sunnybrook Ukraine Surgical Educational Initiative 202. Virtual Symposium, a multidisciplinary 2 day Virtual Symposium focusing on topics in Craniofacial Surgery. 300 surgeons from 44 cities across Ukraine registered for the conference. Oleh was also recognized for his educational achievements abroad by being honoured with the 2020 SEAC: Education Beyond Sunnybrook Award.

| Ukraine Symposium



## SUNNYBROOK HEALTH SCIENCES CENTRE

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**Dr. Paul Binhammer**

*Dr. Paul Binhammer continued to develop his web-based educational initiative iHand, as well as new innovations in the development of a nationwide curriculum for the American Association of Surgical Educators.*

He was also instrumental in the development of a novel online “hand essentials” course that developed in response to course cancellations due to the pandemic.



**Dr. Joan Lipa**

*Dr. Joan Lipa had a busy year with multiple achievements including being appointed as Vice-Chair of the American Board of Plastic Surgeons as well as receiving The Division Chair's "Above and Beyond" award for her continued support of the division, its activities and most importantly the residents.*

She was also appointed Vice-Chair of the Annual Meeting Council for PSTM (Plastic Surgery The Meeting) – American Society of Plastic Surgeons and Co-Chair of LIMITLESS Leaders Steering Committee – a joint venture of The Aesthetic Society, Americas Hernia Society, and The American Society of Plastic Surgery.



**Dr. Laura Snell**

*Dr. Laura Snell has had an incredibly impactful year as the inaugural co-director of The Equity, Diversity, and Inclusion initiative in the Department of Surgery.*

Following her appointment as co-director of EDI for the department, Laura has initiated multiple activities for EDI awareness and education including communications seminars for female surgeons, and multiple EDI workshops for various groups within the department. She has also been appointed to a number of task forces and committees charged with educating health care providers and department members on the a broad range of EDI topics including micro-aggression, ally-ship, racism and human rights, including the TAHSN Anti-Racism Committee. Laura was recognized for her incredible contributions to the department this year by being honoured with the Sunnybrook Department of Surgery Undergraduate Teaching Award.

# SUNNYBROOK HEALTH SCIENCES CENTRE



**Dr. Jana Dengler**

*Dr. Jana Dengler continues to make a an impact in the field of peripheral nerve surgery with twelve publications this year alone (see below).*

The Sunnybrook Team continued its Rankin Inlet Plastic Surgery initiative in 2020, holding a second consult and procedure clinic with **Paul Binhammer**, **Syena Moltaji**, **Celine Yeung** and **Jeff Fialkov** seeing over 100 patients from the entire region of Kivalliq in the tiny Arctic hamlet. They plan to return this summer.

*Celine Yeung and Paul Binhammer do a house call... to Resolute Bay in Nunavut!*



# SUNNYBROOK HEALTH SCIENCES CENTRE

## Publications

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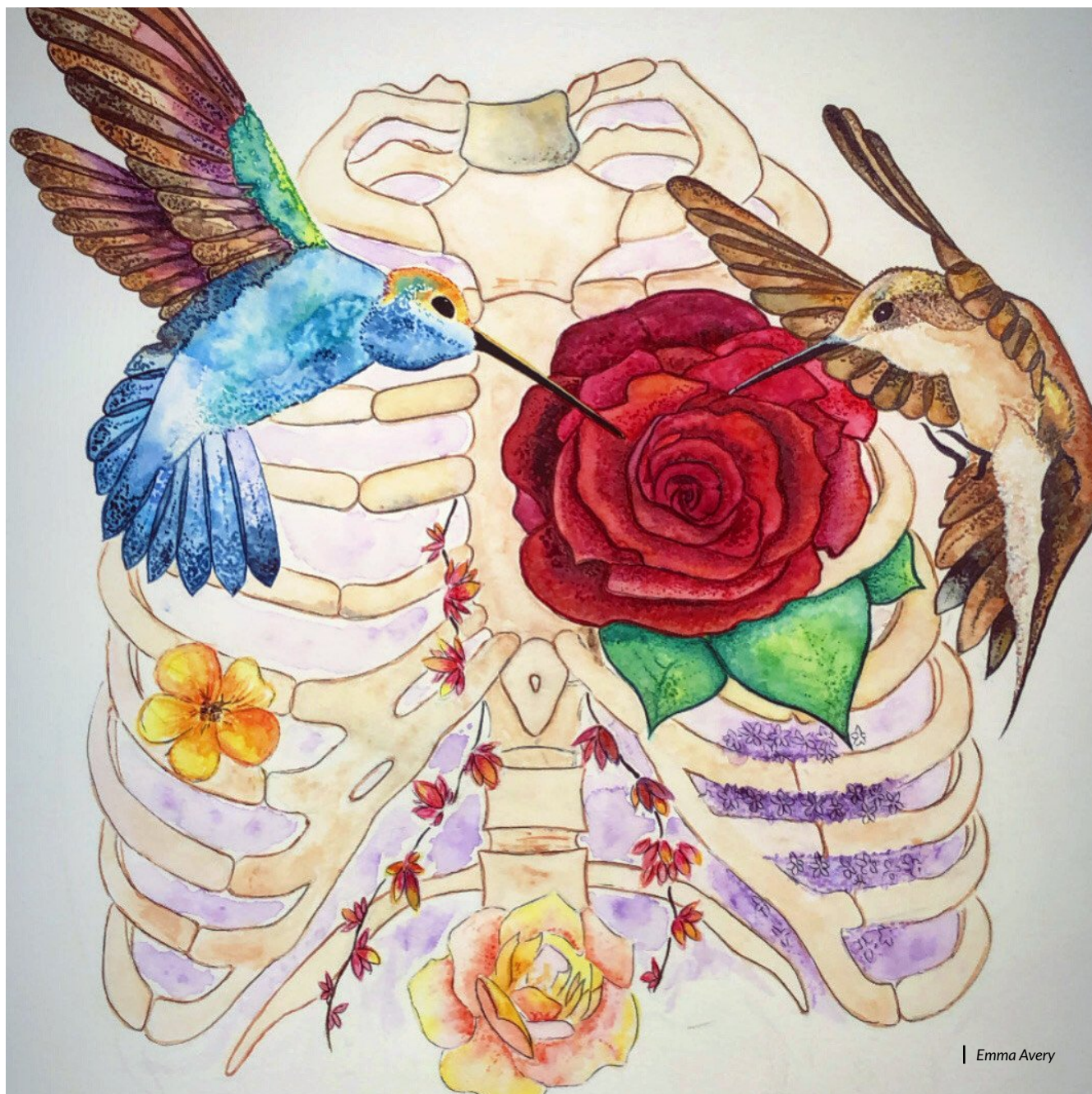
Z. Fishman, C.M. Whyne, A. Hope, J.A. Fialkov. Modeling and measuring average nasal asymmetry by dorsum midline and nose tip lateral deviation *Journal of Plastic, Reconstructive & Aesthetic Surgery*, Volume 74, Issue 4, April 2021, Pages 857-865

Validating 3D face morphing towards improving pre-operative planning in facial reconstruction surgery Received 17 Jul 2020, Accepted 15 Dec 2020, Published online: 22 Jan 2021



# SUNNYBROOK HEALTH SCIENCES CENTRE

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| Emma Avery

## ST. JOSEPH'S HEALTH CENTRE

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**Dr. John Craig Fielding**  
Division Head

*Dr. Craig Fielding is nearing the end of his term as Division Head, and is happy to announce that St. Joseph's is resumed a more normal OR schedule in July, after a four month hiatus.*

Unfortunately, the hospital has been very much affected by closures, and each of the staff surgeons has done their part to provide trainees with as much clinical exposure as possible. We hope to see resumption of more in-hospital experience soon.



**Dr. Kyle Wanzel**

**Dr. Kyle Wanzel** continues his work as Program Director for the Division of Plastic Surgery, University of Toronto. This is an incredibly busy position, but he always has the energy to find time for resident issues as well as running his practice.



**Dr. Leila Kasrai**

**Dr. Leila Kasrai** continues her interest in complex ear reconstruction, and hands-on commitment to resident education



**Dr. Ronald H. Levine**

This year, **Dr Ron Levine** received the Career Achievement Award from the Division of Plastic Surgery, University of Toronto. Dr. Levine has completed his ten-year term as Director of Post-graduate Surgical Education at the University of Toronto, during which he has overseen the creation of the very successful Competency-based Core Surgery Program. As well, he has contributed an incredible amount of time and energy to help all the various Divisions in the Department of Surgery delivering the highest quality surgical education for which it is known.

## ST. JOSEPH'S HEALTH CENTRE

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**Dr. Ryan Austin**

**Dr. Ryan Austin** has joined us as an associate, and has provided fantastic teaching to the residents as well as working in our clinics and OR.

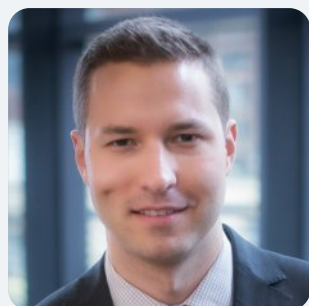


**Mélissa Roy**



**Grace Kim**

We would like to give thanks to our recent residents, particularly **Mélissa Roy** and **Grace Kim**, both of whom were excellent and we know will continue to thrive. And welcome to our new residents, **Tomas Saun** and **Chantelle Valiquette**!



**Tomas Saun**



**Chantelle Valiquette**

## ST. MICHAEL'S HOSPITAL

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**Dr. Blake Murphy**  
Division Head

*St. Michael's Hospital has been impacted similar to all other hospitals during the past academic year by COVID and the associated restrictions. Our hospital has accepted more COVID positive patients than almost any hospital in the province, which has impacted surgical volumes throughout the year.*

That being said, we have continued with some of our core procedures including cancer reconstruction and trauma. A large portion of our practice include patients requiring multidisciplinary care in conjunction with trauma, general surgery, orthopedic surgery and neurosurgery.

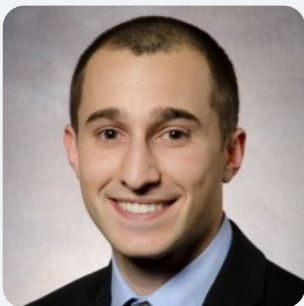
The current active staff at St. Michael's include **Blake Murphy** (Division Head, interim), **Melinda Musgrave**, and **Karen Cross**. While each of our staff have clinical areas of focus, we maintain a broad general reconstructive practice.



**Dr. Melinda Musgrave**



Blake continues to focus on craniofacial trauma as well as trauma and oncology reconstruction. Melinda's clinical focus is on breast reconstruction, gender affirming top surgery while remaining actively engaged in education at the university and the residency program committee.



**Dr. Joseph Catapano**

Within the division of plastic surgery following departures of James Mahoney and Karen Cross, we have begun to rebuild the division. We are excited to welcome **Joseph Catapano** to our group beginning in the fall of 2021. Joseph will have a focus on upper extremity surgery after completing his residency at the University of Toronto and Fellowship at the Curtis National Hand Center in Baltimore, Maryland. Our goal is to grow the division by an additional 1-2 surgeons over the next year or two.



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## TORONTO WESTERN HOSPITAL

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**Dr. Heather Baltzer**  
Director

*TWH, a component of UHN, has a dedicated Hand Program but is also a site that provides reconstructive microsurgery for wound coverage, peripheral nerve problems, and facial re-animation. Our clinical work is supported by a faculty consisting of seven full time Plastic and Orthopaedic Hand surgeons (Dr's. Baltzer, Anastakis, von Schroeder, Paul, Chan, McCabe, and Zec) and two Plastic Surgeons who participate in clinical teaching and care (Dr's. Austin and Ahmad). Providers in The Hand Program under the direction of Dr. Baltzer manage elective and emergency upper extremity problems and also oversees medical student, residency, and fellowship education. Our program is supported by a dedicated out-patient hand therapy team with eight hand therapists on site.*

**Dr. Baltzer**, the Director, has a research interest in arthritis of the first CMC joint, and has developed experience in targeted muscle reinnervation (TMR) for preventing and treating pain after limb amputation. She has developed a practice in facial re-animation with the participation of Dr. Ron Zuker, a recognized international expert in this field.



**Dr. Dimitri Anastakis**

**Dr. Anastakis** is supervising the hand programs first PhD surgical scientist trainee,

**Dr. Moaath Saggaf**, who is researching the impact of nerve compression on cold sensitivity of the hand among other peripheral nerve studies. Herb von Schroeder has an interest in care of the injured worker and was appointed to a three-year term as a Consultant for the Workplace Safety and Insurance Tribunal. He recently published a scholarly book "Biomimetics and Bionic Applications with Clinical Applications".



**Dr. Steven McCabe**

**Drs. Ryan Paul** and **Andrea Chan** have a special interest in wrist pathology including distal radius fracture care, problems related to the scaphoid, and Kienbock's disease. Dr. Chan will be splitting her time between TWH and Sick Kids. She is the fellowship director and organizes our formal education activities. Dr. Paul is our representative to the Orthopaedic residency committee.

**Dr. McCabe** is our site lead for Plastic Surgery residency education. **Drs. Austin** and **Ahmad** are an integral part of our program and participate in clinical and teaching activities. **Dr. Zek** is an orthopaedic hand surgeon who has developed a strong role in our program, including clinical care and teaching.

At TWH we have an established fellowship training program with orthopaedic and plastic surgical fellows rotating between TWH and Sunnybrook Medical Center. Residents from Orthopaedics, Plastics, Physical and Rehab Medicine, and ER residents rotate through the Hand Program.

# TORONTO WESTERN HOSPITAL



**Dr. Moaath Saggaf**



**Dr. Ryan Paul**



**Dr. Andrea Chan**



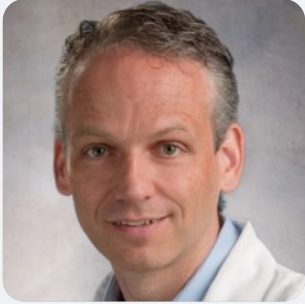
| Great team after journal club during COVID times



| Some of the team in our "hand" OR caps. Thanks Jess Fellow Haley Augustine, Andrea Chan, Ryan Paul and Steve McCabe.

## UNIVERSITY HEALTH NETWORK (UHN)

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**Dr. Stefan Hofer**  
Division Head

*The Division of Plastic Surgery at UHN and MSH works out of the Toronto General Hospital, Toronto Western Hospital, Princess Margaret Cancer Centre, Toronto Rehab Institute, and Mount Sinai Hospital.*

We have a total of 10 full time staff Plastic and Orthopedic Surgeons and 2 part-time associate staff Plastic Surgeons. The main focus in our Division is Reconstructive Surgery for Oncology patients (i.e. breast, sarcoma, head & neck, pelvic, skin) and Hand Surgery (i.e. complex hand trauma, peripheral nerve, complex wrist, acquired conditions).

Future plans continue to be seriously disrupted by the current pandemic. We have reduced many of our planned activities and are currently focused on strategies to rebuild our clinical practices so that we can hopefully return to more normal teaching and research activities from our clinical practices in the coming year.



**Dr. Toni Zhong**

### Staff Updates

Many accomplishments have been achieved throughout the year by several members of our Division. The academic year has greatly disrupted travel and new innovation has brought forward the rise of webinars. As a result of many canceled trips we have actively participated in these webinars. Invited lectures were given virtually at multiple meetings and symposia nationally and internationally.

**Dr. Hofer** was awarded the ASRM/Resurge visiting educator scholarship to Nepal. As this trip was delayed the day before departure Dr. Hofer had two virtual education sessions with the Nepal Plastic Surgeons this past year in anticipation of his future trip as soon as travel restrictions end. Dr. Hofer was a visiting Professor at Johns Hopkins, Baltimore, MD, 2 weeks before travel restrictions hit us all. He was also an invited virtual speaker to the 2020 ASPS meeting, and delivered multiple virtual lectures, webinars and workshops in Canada, the USA, Mexico, UK, Spain, Germany, and UAE. Dr. Hofer is the North-American coordinator for the European Master's Program in Reconstructive Surgery at the University of Barcelona.

**Dr. Zhong** was part of the Ontario Health/ Cancer Care Ontario (CCO) initiative to revise the Clinical Guidelines for Postmastectomy Breast Cancer Reconstruction for Ontario and was invited to be on the American Society of Plastic Surgeons (ASPS) working group for the development of Postmastectomy Breast Reconstruction Guidelines. She is also the Plastic Surgery lead for the Surgical Oncology Group for CPAC, Canadian Partners against Cancer.



**Dr. Anne O'Neill**

**Dr. O'Neill** was invited to give webinar lectures in the UK and Ireland.



## UNIVERSITY HEALTH NETWORK (UHN)

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**Dr. Siba Haykal**

**Dr. Haykal** was awarded the Canadian Institutes of Health Research (CIHR) MOT Bridge Grant as the PI for the project entitled "Generation of Non-Immunogenic Human Airway Patches for Transplantation" with co-applicant Dr. Golnaz Karoubi. In addition to a Canadian Donation and Transplantation Research Program, CDTRP Research Innovation Grant entitled - Repopulation of Long Segment Tracheal Allografts for Transplantation also with Dr Golnaz Karoubi.

Dr. Haykal was invited to present her research on Sentinel Flaps for Monitoring Acute Lung Transplant Rejection - A New Era of Multidisciplinary Collaboration at the 2020 annual American Society for Reconstructive Transplantation virtual meeting and at the 2021 annual American Society for Reconstructive Microsurgeons virtual meeting.

### Arrivals/Departures



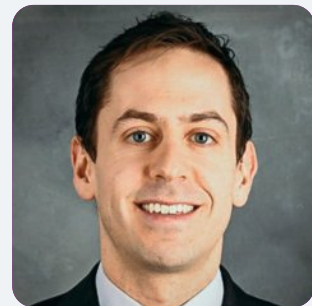
**Dr. Luis Valencia Garcia**

**Dr. Luis Valencia Garcia** extended his Breast Reconstruction clinical fellowship for 3 months to September 30th, 2020 to pursue additional clinical and research activities.



**Dr. John Gencarelli**

**Dr. John Gencarelli** joined the UHN Division after graduating from Halifax in July 2020 for 6 months as the Breast Reconstruction Fellow and continued his fellowship at WCH for the following 6 months. He is conducting research into the clinical impact of the Allergan Biocell textured breast implant recall.



**Dr. Alex Viezel Mathieu**

**Dr. Alex Viezel Mathieu** joined UHN in January 2021 as the Breast Reconstruction Fellow following a 6 month fellowship at WCH. He is a McGill grad, who during his residency, obtained a MSc degree in experimental surgery focusing on surgical education and simulation. His current research interests focus prepectoral breast reconstruction, specifically patient reported outcomes.

## UNIVERSITY HEALTH NETWORK (UHN)

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**Dr. Vincent Choi**

**Dr. Vincent Choi** joined the UHN Division in July 2020 as a Reconstructive Microsurgery Fellow. He is from Sydney, Australia and is currently completing his second overseas fellowship as a Microsurgical Fellow at the Toronto General Hospital (UHN). His main interests are Head & Neck reconstruction, alloplastic/autologous Breast reconstruction, Sarcoma and all forms of Microsurgery and perforator flap based surgery. He is fortunate enough to have refined his skills and to also learn new ones during his time so far. He plans to return to Australia later this year to continue his practice at a tertiary/quaternary hospital level.



**Dr. Daniela Vaca**

**Dr. Daniela Vaca Grisales** also joined the UHN Division in July 2020 as a Reconstructive Microsurgery Fellow. Daniela has a special interest in reconstructive microsurgery, breast reconstruction and sarcoma reconstruction. Her plan is to return to Columbia to build a practice with an emphasis in these fields and in Aesthetic surgery. She believes that building a life around good habits and a positive mindset will set you on the right way to create a successful clinical practice.

### Publications (July 2020 – May 2021)

Funding: Existing research programs and grant funding have produced 20 peer reviewed papers over the current academic year.

1: Finley C, Prashad A, Camuso N, Daly C, Aprikian A, Ball CG, Bentley J, Charest D, Fata P, Helyer L, O'Connell D, Moloo H, Seely A, Werier J, Zhong T, Earle CC. Guidance for management of cancer surgery during the COVID-19 pandemic. *Can J Surg.* 2020 May 1;63(22):S2-S4. doi:

10.1503/cjs.005620. PMID: 32343118; PMCID: PMC7828991.

2: Corkum JP, Butler K, Zhong T. Higher Distress in Patients with Breast Cancer Is Associated with Declining Breast Reconstruction. *Plast Reconstr Surg Glob Open.* 2020 Feb 27;8(2):e2636. doi: 10.1097/GOX.0000000000002636. PMID: 32309083; PMCID: PMC7159969.

3: Zhong T, Quong WL, Cheng T, Kerrebijn I, Butler K, Hofer SOP, O'Neill AC, Cil TD, Metcalfe KA. Preconsultation Educational Group Intervention Can Address the Knowledge Gap in Postmastectomy Breast Reconstruction. *Ann Plast*

## UNIVERSITY HEALTH NETWORK (UHN)

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Surg. 2020 Nov 26. doi: 10.1097/SAP.0000000000002603. Epub ahead of print. PMID: 33252432.

4: Roberts A, Baxter NN, Sutradhar R, Lau C, Zhong T. Reoperation cascade in postmastectomy breast reconstruction and its associated factors: Results from a long-term population-based study. *J Surg Oncol.* 2020 Dec;122(7):1300-1306. doi: 10.1002/jso.26166. Epub 2020 Sep 15. PMID: 32964476.

5: Retrouvey H, Zhong T, Gagliardi AR, Baxter NN, Webster F. How Ineffective Interprofessional Collaboration Affects Delivery of Breast Reconstruction to Breast Cancer Patients: A Qualitative Study. *Ann Surg Oncol.* 2020 Jul;27(7):2299-2310. doi: 10.1245/s10434-020-08463-0. Epub 2020 Apr 15. PMID: 32297084.

6: Kerrebijn I, Retrouvey H, Härmä M, Sebastião Pillai S, Zhong T, Hofer SOP, O'Neill AC. Contralateral prophylactic mastectomy at the time of delayed microvascular breast reconstruction adversely affects patient-reported outcomes: A retrospective cohort study. *J Plast Reconstr Aesthet Surg.* 2020 Oct 24;S1748-6815(20)30517-9. doi: 10.1016/j.bjps.2020.10.020. Epub ahead of print. PMID: 33214123.

7: Saheb-Al-Zamani M, Cordeiro E, O'Neill AC, Hofer SOP, Cil TD, Zhong T. Early Postoperative Complications From National Surgical Quality Improvement Program: A Closer Examination of Timing and Technique of Breast Reconstruction. *Ann Plast Surg.* 2020 Nov 17. doi: 10.1097/SAP.0000000000002590. Epub ahead of print. PMID: 33208650.

8: Retrouvey H, Webster F, Zhong T, Gagliardi AR, Baxter NN. Cross-sectional analysis of bibliometrics and altmetrics: comparing the impact of qualitative and quantitative articles in the British Medical Journal. *BMJ Open.* 2020 Oct 21;10(10):e040950. doi: 10.1136/bmjopen-2020-040950. PMID: 33087378; PMCID: PMC7580064.

9: Kaur M, Pusic AL, Cano SJ, Xie F, Bordeleau L, Zhong T, Klassen A. International phase 1 study protocol to develop a health state classification system for a preference-based measure for women with breast cancer: the BREAST-Q Utility module. *BMJ Open.* 2020 Jan 7;10(1):e034451. doi:

10.1136/bmjopen-2019-034451. PMID: 31915176; PMCID: PMC6955575.

10: O'Neill AC, Mughal M, Saggaf MM, Wisniewski A, Zhong T, Hofer SOP. A structured pathway for accelerated postoperative recovery reduces hospital stay and cost of care following microvascular breast reconstruction without increased complications. *J Plast Reconstr Aesthet Surg.* 2020 Jan;73(1):19-26. doi: 10.1016/j.bjps.2019.06.019. Epub 2019 Jun 28. PMID: 31628082.

11: O'Neill AC, Hofer SOP. Reply to "Delays in adjuvant treatment and the impact on survival: Plastic surgeons be aware". *J Plast Reconstr Aesthet Surg.* 2020 Jan;73(1):184-199. doi: 10.1016/j.bjps.2019.10.018. Epub 2019 Nov 12. PMID: 31757684.

12: O'Neill AC, Hofer SOP. Comment on: Predictors of blood transfusion in autologous breast reconstruction surgery: A retrospective study using the nationwide inpatient sample database. *J Plast Reconstr Aesthet Surg.* 2020 Apr;73(4):783-808. doi: 10.1016/j.bjps.2019.11.057. Epub 2019 Dec 15. PMID: 31883691.

13: O'Neill AC, Yang D, Roy M, Sebastião Pillai S, Hofer SOP, Xu W. Development and Evaluation of a Machine Learning Prediction Model for Flap Failure in Microvascular Breast Reconstruction. *Ann Surg Oncol.* 2020 Sep;27(9):3466-3475. doi: 10.1245/s10434-020-08307-x. Epub 2020 Mar 9. PMID: 32152777.

14: O'Neill AC, Roy M, Boucher A, Fitzpatrick AM, Griffin AM, Tsoi K, Ferguson PC, Wunder JS, Hofer SOP. The Toronto Sarcoma Flap Score: A Validated Wound Complication Classification System for Extremity Soft Tissue Sarcoma Flap Reconstruction. *Ann Surg Oncol.* 2020 Oct 1. doi: 10.1245/s10434-020-09166-2. Epub ahead of print. PMID: 33005992.

15: O'Neill AC. Achieving consistent and equitable access to post mastectomy breast reconstruction. *Gland Surg.* 2020 Aug;9(4):1082-1085. doi: 10.21037/gs.2020.02.13. PMID: 32953621; PMCID: PMC7475352.

16: O'Neill AC. ASO Author Reflections: Standardizing Outcome Reporting in Extremity Soft Tissue Sarcoma Flap

## UNIVERSITY HEALTH NETWORK (UHN)

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Reconstruction. *Ann Surg Oncol*. 2020 Sep 30. doi: 10.1245/s10434-020-09189-9. Epub ahead of print. PMID: 33000369.

17: O'Neill AC. ASO Author Reflections: Machine Learning Strategies Can Aid Patient Selection in Microvascular Breast Reconstruction. *Ann Surg Oncol*. 2020 Sep;27(9):3476-3477. doi: 10.1245/s10434-020-08352-6. Epub 2020 Mar 21. PMID: 32206950.

Lee, Marin-Araujo, Aoki, Haykal, Waddell, Amo, Romero, Karoubi. (2021). Computational fluid dynamics for enhanced tracheal bioreactor design and long-segment graft recellularization. *Scientific Reports*. 11(1): 1187.

Haykal, Juvet, Keshavjee. (2021). Sentinel Flaps For Assessment of Acute Rejection Following Lung Transplantation. Accepted – Vascularized Composite Allotransplantation.

Datta, Fitzpatrick, Haykal. (2021). Preservation Solutions for Attenuation of Ischemia-Reperfusion Injury in Vascularized Composite Allotransplantation. Accepted – VCA.

## WOMEN'S COLLEGE HOSPITAL



**Dr. John Semple**  
Head of Division

*Women's College Hospital is an academic regional ambulatory care hospital in downtown Toronto and fully affiliated with the University of Toronto. The Division of Plastic Surgery provides a comprehensive profile of reconstructive options for patients with a focus on both breast reconstruction and TRS Top Surgery.*

Division staff provide an excellent standard of care for patients and a highly rated teaching program for learners including undergraduate medical students, elective students, residents and fellows.

Head of Division Dr. John Semple  
with Dr. Mitchell Brown



## WOMEN'S COLLEGE HOSPITAL

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**Dr. Kathleen Armstrong**

### Arrivals

**Dr. Katie Armstrong** is joining our Division of Plastic Surgery at Women's College Hospital as a staff surgeon at Women's College Hospital –starting July 2021. She will be appointed as a Surgeon Investigator at the University of Toronto. Her clinical practice will focus on TRS Top surgery and Breast Reconstruction. Dr. Armstrong trained in the Plastic Surgery Resident Program at U of T and is just completing a Hand Fellowship in the Hand Program at U of T. Katie was an outstanding resident and has completed an MSc in the Surgical Scientist Program. She has a long list of awards related to her research and other accomplishments. She has an outstanding CV with recent lead author publications in high impact factor journals (JAMA Surgery). We are very excited about Katie joining our staff at WCH.

### Future Plans

As we recover and stabilize from this pandemic, there is an opportunity for WCH to emerge as a national leader in providing access to ambulatory surgical care. This will not be without challenges with respect to prioritizing certain types of care and resource allocation. Women's College Hospital has been designated the first public institution in Ontario for Trans surgery. We have provided high standard of care with participation of clinicians/staff that are well trained and enthusiastic about this program. In addition, we have been part of international research based on this community's needs and assessment of outcomes.



**Dr. Mitchell H. Brown**

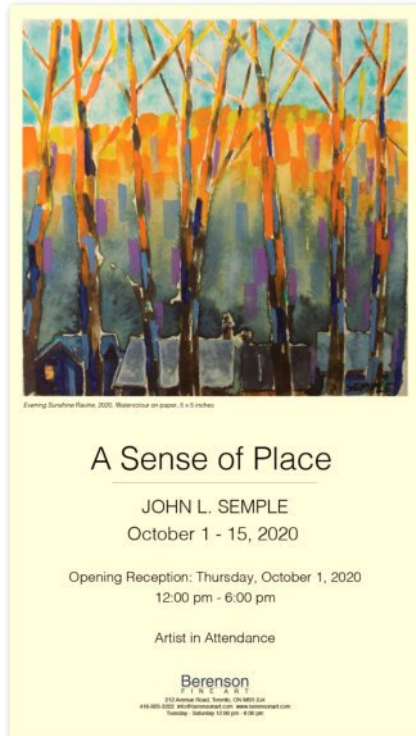
### BRA Day



Breast  
Reconstruction  
Awareness Day  
closing the loop on breast cancer

Despite the widespread restrictions of the Pandemic BRA Day 2020 proceeded this year in a virtual format in conjunction with Women's College Hospital. Under the direction of **Dr. Mitch Brown** and others in the Peter Gilgan Cancer Centre at WCH the event was a tremendous success. Its impact and organization was recognized by being awarded the prestigious International Association of Business Communicators Ovation Award of Excellence.

## WOMEN'S COLLEGE HOSPITAL



### Dr. Semple's Solo Art Exhibit

Berenson Fine Art hosted Toronto-based surgeon and artist, Dr. John L. Semple, presented his second solo art exhibit on October 1, 2020. Running until October 15, 2020, a portion of proceeds from Dr. Semple's "A Sense of Place" will benefit the University of Toronto's Surgeon Scientist Training Program (SSTP) at the Department of Surgery. The exhibit, featuring twenty-four watercolours, characterizes the complex emotional relationship between people and their spatial settings, something that COVID-19 has redefined for everyone. The majority of this exhibit was virtual.

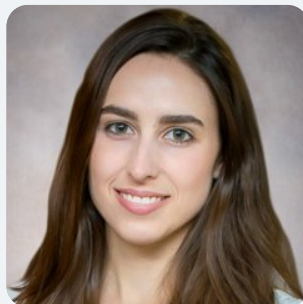
### Residents and Fellows

We always have remarkable house staff and this year was no exception. We had three final year residents — **Dr. Sultan Al-Shaqsi**, **Dr. Mélissa Roy** and **Dr. Pierre Lapaine** — who all easily passed their exams and provided amazing care as part of our team at Women's College Hospital. We also fortunate to have two excellent Fellows — **Dr. Alex Viesel-Mathieu** and **Dr. John Gencarrelli**. This pandemic has been a difficult time to be house staff in a downtown hospital but our residents and fellows have prevailed and maintained a positive outlook and remarkable enthusiasm for their profession and the future of Plastic Surgery. We are fortunate to have them as colleagues.

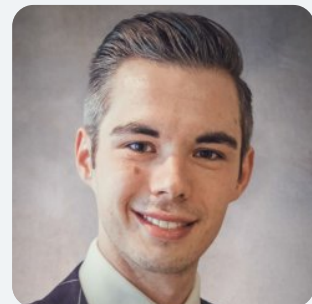
### Residents



**Dr. Sultan Al-Shaqsi**



**Dr. Mélissa Roy**



**Dr. Pierre Lapaine**

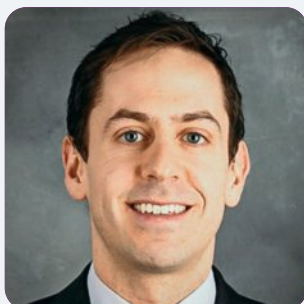
## WOMEN'S COLLEGE HOSPITAL

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### Fellows



**Dr. John Gencarelli**



**Dr. Alex Viezel Mathieu**



Left to right: Dr. John Gencarelli, Fellow; Dr. Mélissa Roy, Resident PGY 5; Dr. Mitch Brown, Dr. Pam Morgan (one of our favourite anesthetists) and Dr John Semple



## WOMEN'S COLLEGE HOSPITAL

### Publications

#### Dr. John Semple

Semple JL, Moore GWK. High Levels of Ambient Ozone (O<sub>3</sub>) May Impact COVID-19 in High Altitude Mountain Environments [published online ahead of print, 2020 Jun 30]. *Respir Physiol Neurobiol*. 2020;280:103487. doi:10.1016/j.resp.2020.10348

Semple JL, Ozone (O<sub>3</sub>) and a Potential Role for Air Disinfection in Airborne Spread of SARS-CoV-2. *JAMA Comment* published on line July 18, 2020. *JAMA*. 2020;324(2):141-142. doi:10.1001/jama.2020.7603

Klassen AF, McEvenue G, Wang Y, Rae C, Kaur M, Johnson N, Savard K, Semple J, Pusic A. The BODY-Q Chest Module: Further Validation in a Canadian Chest Masculinization Surgery Sample [published online ahead of print, 2020 Aug 8]. *Aesthet Surg J*. 2020;sjaa224. doi:10.1093/asj/sjaa224

Moore GWK, Cristofanelli P, Bonasoni P, Verza GP, Semple JL. Was an Avalanche Swarm Responsible for the Devastation at Mount Everest Base Camp During the April 2015 Nepal Earthquake? *High Alt Med Biol*. 2020 Dec;21(4):352-359. doi:10.1089/ham.2019.0069. PMID: 33350889.

#### Dr. Mitchell Brown

Brown M: Commentary on Transaxillary Endoscopic approach to Capsular Contracture following Previous Breast Augmentation: Operative Technique and Clinical Outcome (DOI 10.1007/s00266-019-01551-x). *Aesthetic Plastic Surgery*: 2020: 44: pp 35-36 PA

Montemurro P, Adams WP, Mallucci P, De Vita R, Layt C, Calobrace B, Brown M, Nava M, Teitelbaum S, Martin del Yerro J, Bengtson B, Maxwell GP, Heden P: Why do we need anatomical implants? The science and rationale for maintaining their availability and use in breast surgery. *Aesthetic Plastic Surgery*. 2020: 44: pp 253-263 CPA

Brown MH, Invited Discussion on: Subfascial Breast Augmentation with Crossed Fascial Sling, Under Tumescant Anesthesia with or Without Sedation and Lower Periareolar

Access. *Aesthetic Plastic Surgery*. May 27, 2020 44, pages1514-1515

Yeung C, Shih J, Knox A, Zhygan N, Courtemanch D, Fish J, Brown MH: Variable experience in microsurgery and flap-based procedures among Canadian plastic surgery residents. *Journal of Surgical Education*. June 2020: 77/6 1623-1631

Yeung C, Courtemanche D, Fish J, Anastakis D, Shih J, Knox A, Brown MH, Zhygan N: Canadian plastic surgery resident operative experience in hand surgery: Are they getting enough exposure? *The Journal of Hand Surgery*. 2020 Sep 1;45(9):820-9

Brown M, Eardley S, Ahmad J, Lista F, Barr S, Mulholland S, Khanna J, Knapp C, Saheb-Al-Zamani M, Austin R, Levine R: The safe resumption of elective plastic surgery in accredited ambulatory surgery facilities during the Covid-19 pandemic. *Aesthetic Surgery Journal*. Dec. 23, 2020. DOI: 10.1093/asj/sjaa311

Brown M, Viezel-Mathieu, A: Invited Discussion on: Guiding nipple-areola complex reconstruction: Literature review and proposal of a new decision-making algorithm. *Aesthetic Plastic Surgery*. Jan. 2021

Quong W, Shih J, Knox A, Zhygan N, Fish J, Courtemanche D, Brown M: Resident exposure to aesthetic surgical and non-surgical procedures during Canadian residency program training. *Aesthetic Surgery Journal*: https://doi.org/10.1093/asj/sjab031. Feb. 2021

Brown MH: Chapter 9: Revision Breast Augmentation - Correction of Implant Malposition. In: *Atlas of Aesthetic Breast Surgery*. pages 120-129 (Pu L, Jewell M: eds.). Elsevier, 2021 ISBN: 978-0-323-51113-1 PA

## WOMEN'S COLLEGE HOSPITAL

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### Invited Lectures and Visits

#### Dr. Mitchell Brown

The Aesthetic Meeting 20/20@home, Las Vegas, Nevada, April 25, 2020. Revision alloplastic breast reconstruction.

Cirurgia Plastica Online V, Problem Cases in Breast Surgery. June 3 2020. From Buenos Aires, Argentina

Argentina Society of Plastic Surgeons – Virtual. Types for managing implant complications in breast reconstruction. Buenos Aires, Argentina. August 20, 2020

Oncology Education Rounds – Brampton Civic Hospital. Post-mastectomy implant based breast reconstruction. September 23, 2020

2020 ASAPS Aesthetic Breast Course – Virtual. Large volume fat grafting for management of the tuberous breast. Gold Coast, Australia. October 10, 2020

Aesthetic and Reconstructive Breast Meeting – Virtual. Transgender top surgery. Milan, Italy. December 7, 2020.

Aesthetic and Reconstructive Breast Meeting – Virtual. Technique for dual plane breast augmentation. Milan, Italy. December 7, 2020.

### Peer-Reviewed Research Grants

Anne F Klassen, McMaster University, Manraj Kaur , McMaster University, Natasha Johnson, McMaster University, Giancarlo McEvenue, Shane Morrison, University of Washington Medical Center, Margriet G Mullender, VU University Medical Center, Amsterdam, The Netherlands, Mujde Ozer, Maeghan Ross, Will Rowe, McMaster University, Thomas Satterwhite, Brownstein & Crane Surgical Services, Greenbrae, CA, USA, Kinusan Savard, John Semple, Women's College Hospital, University of Toronto. CIHR Patient-Oriented Research (SPOR) Collaboration Grants: *International Phase I Study Protocol to Develop a Patient-Reported Outcome Measure for Adolescent and Adults Having Gender-Affirming Treatments (the TRANS-Q) 2018-2020*

Vigod, Simone, Urbach, David, Agarwal, Payal , Bhattacharyya, Onil Bolea, Blanca , Ghassemi, Marzyeh ,Ivers, Noah , Pham, Quynh Rochon, Paula, Semple, John Team Grant: *Women's Virtual Care Research Laboratory Canada Foundation for Innovation - (CFI) \$3,060,153- Jan 2020*

*Exploring the relationship between gender, body image and pain – A mixed models approach.* Collaborator. Moayed M, Lord C, Dale C, Potter E, Bosma R, Brown M, Semple J, Escallon J, Lim D: *New Frontiers in Research Fund.* (\$250,000 – March 31, 2021 - 2027)



## RESIDENT AESTHETIC CLINIC

### EDUCATION PROGRAM IN AESTHETIC PLASTIC SURGERY



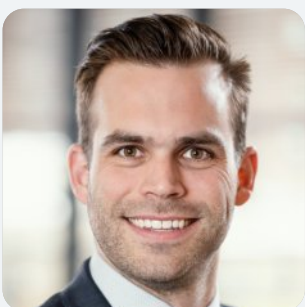
**Jamil Ahmad**  
Director

*The Education Program in Aesthetic Plastic Surgery continues to grow. The Resident Aesthetic Clinic has operated at the Plastic Surgery Clinic exclusively since 2016. Since 2012, there have been 26 residents that have rotated through the clinic who have performed over 200 aesthetic surgery procedures in total. The residents also gain hands-on experience with nonsurgical procedures including injectables.*

This past year, we have been fortunate to have **Drs. Mélissa Roy, David Wallace** and **Steven Hanna** managing the Resident Aesthetic Clinic. The COVID-19 pandemic posed challenges with several government mandated elective surgery shutdowns which effected patient flow through the clinic. However, the new academic year brings renewed opportunities to grow the clinic.

Due to the COVID-19 pandemic, the 50th Annual University of Toronto Aesthetic Plastic Surgery Symposium was postponed but is now planned for April 8 and 9, 2022 at the Omni King Edward Hotel. This will be an exciting event to celebrate aesthetic surgery in Toronto.

**Dr. Ahmad** continues to serve as the Director the Education Program in Aesthetic Plastic Surgery at University of Toronto. He serves on the Board of Directors for the Aesthetic Society, the Rhinoplasty Society, and the Canadian Society for Aesthetic Plastic Surgery. He recently finished a 3 year term as the Program Chair for the Aesthetic Meeting and is now the Education Commissioner of the Aesthetic Society. The Aesthetic Society held the first live meeting for a North American professional organization since the beginning of the COVID-19 pandemic in Miami Beach at the end of April 2021. It was very successful with over 700 registrants and it was great to see things getting back to normal. Dr. Ahmad received a Special Award for Leadership in Educational Direction in the Most Challenging Times. Dr. Ahmad continues to serve on the Editorial Board of the Aesthetic Surgery Journal and he is the My Way Section Editor for Aesthetic Surgery Journal Open Forum.



**Dr. Ryan Austin**

**Dr. Austin** continues to organize the Division of Plastic, Reconstructive & Aesthetic Surgery Journal Club and has managed to keep it interesting despite it being virtual. He received the Arnis Freiberg Teaching Award from the Division of Plastic, Reconstructive & Aesthetic Surgery. He continues to serve as the Chair of the OMA Section on Plastic Surgery and has been advocating strongly on behalf of all plastic surgeons during the COVID-19 pandemic. This has been a very busy year in Ontario and his voice representing plastic surgery has been critical. He continues to serve on the Aesthetic Society Ethics Committee. He continues to be the Lead for the Next Generation Editors of the Aesthetic Surgery Journal and hosts the ASJ Journal Club. He is a Breast Section Editor for the Aesthetic Surgery Journal Open Forum.

## RESIDENT AESTHETIC CLINIC

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### EDUCATION PROGRAM IN AESTHETIC PLASTIC SURGERY



The Aesthetic Meeting 2021 in Miami Beach with past Program Chairs and the Director of Education. Left to right: Dr. Fritz Barton, Dr. James Stuzin, Dr. Rod Rohrich, Ms. Debi Toombs, Dr. James Grotting, Dr. Foad Nahai, Dr. Jeffrey Kenkel, Dr. William Adams Jr., and Dr. Jamil Ahmad.



Dr. Mélissa Roy being assisted by Dr. Ryan Austin during her resident cosmetic clinic case

## RESIDENT AESTHETIC CLINIC

### EDUCATION PROGRAM IN AESTHETIC PLASTIC SURGERY



**Dr. Frank Lista**

**Dr. Lista** continues to serve as the Chairman of the Canadian Association for Accreditation of Ambulatory Surgical Facilities. He is the Breast Section Editor for the Aesthetic Surgery Journal.

**Dr. Khanna** continues to serve on the Aesthetic Society Judicial Council.

The rotation faculty have been invited to give numerous presentations locally, nationally and internationally. This past year, they have authored the following publications:

- Yuan M, Wu J, Austin RE, Lista F, Ahmad J. Evaluating the quality of systematic reviews and meta-analyses about breast augmentation using AMSTAR. *Aesthetic Surgery Journal Open Forum*. 2021 May 22. Online ahead of print.
- ASPS Quality Staff, Manahan MA, Fedok F, Davidson C, Ahmad J, Constantinides M, Davis R, Friedman O, Gilman R, Ishii L, Keyes G, Lin SJ, Marcus B, Matarasso A, Most SP, Quereshey F, Sinno S, Steinbacher D, Tollefson T, Rohrich R. Evidence-based performance measures for rhinoplasty: A multi-disciplinary performance measure set. *Plastic and Reconstructive Surgery*. 147: 222e-230e. Epub 2020 Nov 2.
- Austin RE, Lista F, Ahmad J. Hot topics in breast surgery. *Clinics in Plastic Surgery* 2021; 48: 131-139.
- Ahmad J. Commentary on: The impact of facial asymmetry on the surgical outcome of crooked nose: A case control study. *Aesthetic Surgery Journal*. 2021; 41: NP295-NP299.
- Ahmad J, Austin RE, Lista F. Commentary on: Five year safety and satisfaction with the lightweight breast implant. *Aesthetic Surgery Journal* 2021 Mar 29. Online ahead of print.
- Austin RE, Ahmad J, Lista F. Commentary on: Transitioning from conventional textured to nanotextured breast implants: Our early experience and modifications for optimal breast augmentation outcomes. *Aesthetic Surgery Journal* 2020 Nov 12. Online ahead of print.
- Austin RE. Online vs. Print Publication: The Case for Online Publication. *Aesthetic Surgery Journal* 2021 Jun 29. Online ahead of print.



Dr. David Wallace and Dr. Jamil Ahmad at the end of 18 surgeries on a Saturday



## RESIDENT AESTHETIC CLINIC

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### EDUCATION PROGRAM IN AESTHETIC PLASTIC SURGERY



| Thumbs up and guns out for Dr. David Wallace's birthday

*I would like to draw your attention to an important article co-authored by several faculty members about the resumption of elective aesthetic surgery in Ontario during the pandemic published in Aesthetic Journal Surgery.*

**Dr. Brown** spearheaded the effort to highlight the continued safety of aesthetic surgery despite the COVID-19 pandemic:

Brown M, Eardley S, Lista F, Ahmad J, Khanna J, Barr S, Mulholland S, Levine R, Saheb-al-Zamani M, Austin RE. *The safe resumption of plastic surgery procedures in ambulatory facilities following COVID-19.* Aesthetic Surgery Journal. 2020 Dec 23. Online ahead of print.

In the fall of 2021, we will welcome the new Division of Plastic, Reconstructive & Aesthetic Surgery Aesthetic Fellow and this will be an exciting opportunity for plastic surgeons who wish to further their knowledge and expertise in aesthetic surgery learning from talented plastic surgeons in the GTA and surrounding areas.

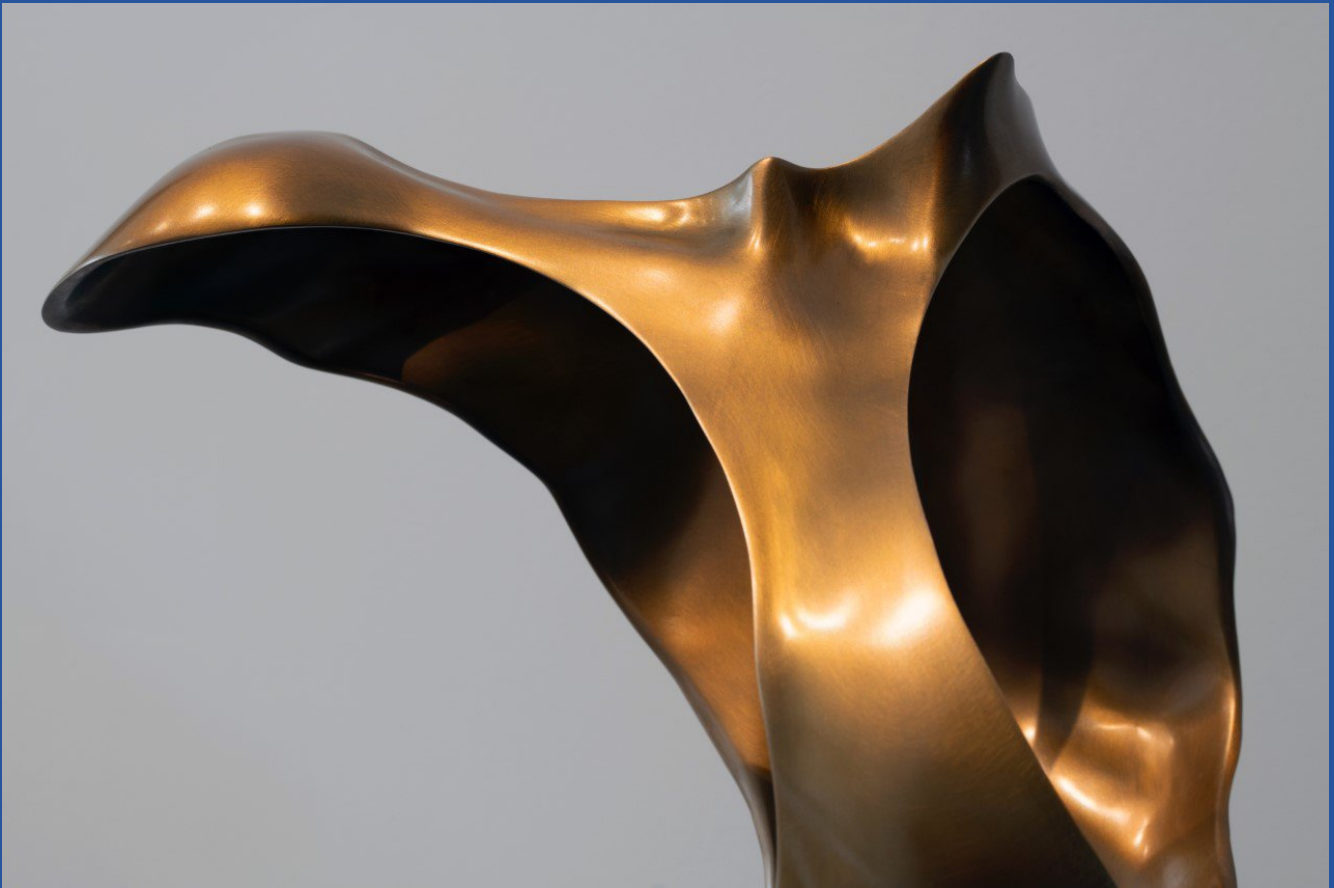
We continue to receive a lot of positive feedback and support from our Toronto plastic surgery family for this integral part of our plastic surgery training program. Our residents have visited plastic surgery practices throughout the GTA and surrounding areas. We look forward to the involvement of more of our faculty in the Resident Aesthetic Clinic in the future - maintaining the tradition of excellence in aesthetic plastic surgery education at University of Toronto.



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David Fisher, Male Torso Abstraction No. 4 (2021) - Bronze - 9"x10"x18.5"



DIVISION OF PLASTIC, RECONSTRUCTIVE &  
AESTHETIC SURGERY

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