

# Western Urology

2022

## *From the Chair: Dr. Alp Sener*

Dear friends and colleagues,

Wow, what a year this has been!! The achievements and successes of our residents, fellows and faculty highlighted in this newsletter continue to distinguish our Division as a premiere program. I could not be more proud to be part of this group. Although the past 12 months of COVID19 have continued to challenge us, I truly feel that we have forged a clear path through and the “old” normal has started to peer its head out as we enter the spring. I am very much looking forward to commencing our in-person meetings, which will be kicked off with the 2022 JK Wyatt Resident Research Day.

In reading this newsletter, I hope that you will see that our Division has excelled in all aspects of education, clinical excellence, and academic productivity. We have worked hard to establish two new Chair positions to support our Divisional vision. The first of these is the fully endowed Chin-Hardie Chair, which will support the recruitment and ongoing research of a world class urologic-oncologist. The second is the Keith and Leanne Lavergne Chair in Urology which will go towards supporting the role of the Chair/Chief of the Division as well as in creating and sustaining a strong research infrastructure for the entire Division which will benefit our faculty, residents and fellows achieve their academic goals. Both of these exceptional initiatives will help lay the foundation for a stellar trajectory of excellence, growth, sustainability and success of our Division for years to come.

Divisional research productivity has continued along an outstanding trajectory with our faculty being awarded numerous high-profile awards, competitive provincial and national grants, and an outstanding 118 peer-reviewed original works and a staggering \$2.4 million dollars of new grant funding—a fantastic achievement that we should all be proud of! This performance underscores our strong commitment to academic excellence in education and research that is recognized not only nationally but internationally.

Our residency program, led by Dr. Dave and Dr. Wang, has continued to demonstrate excellence. The residency program has continued to achieve new heights under their leadership, not only in competency based medical education, but also in other facets of training including resident wellness, simulation based surgical training and student advocacy. This has led to us matching our top ranked applicants, Dr. Edem Afenu (University of Toronto), Dr. Danny Matti (Western), and Dr. Victoria Turnbull (McMaster) to our Western Urology family; we are all looking forward to working with them over the next five years. Our fellowships spanning SJHC and LHSC are equally as robust and successful as our residency training program and give us great pride. In our efforts of securing sustainable funding support for our fellowships, we were successful in securing three out of the eight available clinical fellowship awards as part of the LHSC Academic Realignment Initiative where our oncology, kidney/pancreas transplant and pediatric urology fellowships were selected amongst 26 applications. In addition, our andrology and endourology fellowships were also funded by the SJHC Foundation through a robust competition. This degree of recognition of our fellowship training programs by the hospitals and foundations attests to the quality of education provided to the trainees. That being said, I would like to welcome our incoming fellows Dr. Atheer Alqahtani (Saudi Arabia) and Dr. Jirong Lu (Singapore) in kidney/pancreas transplantation, Dr. Fernando Berto (Brazil) in andrology/reconstruction, Dr. Jeus Candejas (Mexico) in uro-oncology, Dr. Mario Basulto (Mexico) in endourology and Dr. Noam Bar-Yaakov (Israel) in pediatric urology--it is a pleasure to have you all join our group.

Dr. Dave will be finishing up his term as our residency program director as he takes on his new and exciting role as the Director of Post Graduate Medical Education for the Department of Surgery. I would like to thank Dr. Dave for his years of service and dedication to our program, he has truly made a significant impact to the education and wellness of our resident body. He will be succeeded by Dr. Wang as our new program director and Dr. Campbell as our incoming assistant program director; We congratulate you both on these important roles and look forward to sailing the new course you set us on.

*Con't...*



On behalf of the Division, I would like to thank our graduate, Dr. Ernest Chan, for his hard-work and commitment to our patients and to our program. Ernest, we wish you a bright future in your new career and fellowship adventures and look forward to hearing about your accomplishments in the years to come. Thank you as always to Kim Nitz, our Divisional Administrator, who has kept us on track despite the constantly changing schedules and thousands of zoom meetings—you truly have been exceptional. Finally, I would like to extend heartfelt congratulations from the entire Western Urology family to Dr. Joseph Chin, who will be retiring at the end of August from our Division after an illustrious career as a world renowned urologic oncologist. Dr. Chin's leadership and dedication to excellence in urology, his advocacy and fundraising efforts to improve patient care, his dedication to the education of residents and fellows and his contributions to numerous urology Societies including the CUA, AUA and SUO are a testament to his genuine and lasting impact to our field. For these tireless contributions, Dr. Chin was recently awarded the Schulich Lifetime Achievement Award. Congratulations from all of us Joe on this fantastic achievement and on your retirement; you have inspired many of us to strive for excellence and we will miss you.

## *Happy Retirement!*

Dr. Sener asked me to write a note related to my upcoming retirement in Western Urology, a publication I started 20 years ago as "Urology News".

I came to London and Western in 1979 to start my Residency, having completed medical school and internship in Toronto. The Western Urology Faculty then was comprised of 7 members, with 3 "Jacks" (Drs. Wyatt, Sales and Sharpe) and one "John" (Dr. Valley). After two Fellowships (Uro-oncology & Experimental Therapeutics at Roswell Park Cancer Institute and Renal Transplantation at Western), I joined the Urology Faculty in 1985.

Facts from 1985:

1. University Hospital and Victoria Hospital were two distinctly separate institutions (the merger to become London Health Sciences Centre occurred 10 years later).
2. Bill Gates and Microsoft released Windows 1.0. Steve Jobs was asked to resign from Apple.
3. The "World Wide Web" was just an idea in its embryonic stage in the mind of computer scientist Tim Berners-Lee.
4. The Oilers won their second of five Stanley Cups in that decade; the Habs still had two more Cup wins to look forward to before starting their draught of 29 years; and the Leafs were still waiting .... (Waiting for Godot??)
5. My eldest son was born but none of the current Urology Residents were even embryos yet.

I was very fortunate to have colleagues who were very supportive of my nascent clinical practice and my research efforts. When Dr. Denstedt joined the faculty a few years later, the concept of sub-specialization within the Division materialized with the "Uro-Oncology" and "Endourology/Stone Diseases" sections, altering the complexion and dynamics of the Division (Dr. Shepherd had been taking care of most of the Pediatric cases). I had the privilege to have served as the Residency Program Director and then Division Chair (holding both positions contemporaneously for several years). I am very proud of the successful careers our training program has helped to launch, including many graduates (currently on the Western Faculty and numerous other institutions) who are now recognised national and international experts in their respective fields.

The Division has matured further, enabling several subspecialties to conduct highly regarded Fellowship Programs. I am proud to have been part of an SUO-accredited Uro-oncology Fellowship, along with Drs. Izawa, Power and most recently, Dr. Huynh. We have trained Fellows hailing from every continent except Antarctica, almost all of whom are now opinion-leaders in their home countries. Not infrequently, random emails come from far-away locations, ranging from Cape Town to Sydney to Medellin and to Tel Aviv, asking for my input on challenging cases. It is definitely true that the Residents and Fellows have kept me on my toes (metaphorically, and literally – especially in the O.R.).

I had the honor and privilege to have served as the Chief Examiner for the Royal College and Chair of the Urology Specialty Committee, time and effort very well-spent. It was humbling to realize that the quality of Canadian Urology training was entrusted to my fellow committee members and me. I also had the honor to represent Western and London at the CUA and the AUA Northeastern Section, in various capacities and eventually as President of both organizations. I was a co-founder of the Norman Bethune Urological Society. With many colleagues from across Canada (including Dr. Power), I led several memorable exchanges between the "two CUA's" with visits to Chinese Urology centres. Pre-pandemic, I was appointed "Senior Advisor" (read: "old", hopefully not "senile") for the European



Urological Association and CUA Exchange. I will cherish the friendships I have developed with colleagues nationally and internationally.

On the loco-regional front, I will miss the collegiality I enjoyed with our regional Urology colleagues, and facilitated by our regular bi-monthly regional telemedicine rounds and the annual Uro-oncology Fall Review. This weekend event had been a fixture on the Western Urology education calendar and a much-anticipated CME and social highlight for many of our Urology alumni and other regional consultants. I hope my UWO colleagues will continue this tradition.

Another annual event awaiting continuation following my retirement is the “Father’s Day Walk/Run for Prostate Cancer” (which we started in 1999, as part of the CUA Annual Meeting held in our city that year, presided by Dr Jack Sales. This Walk/Run, under the current name “Dash4Dad”, has raised over \$1 Million for prostate cancer research, and has raised awareness for the disease in SW Ontario. The event has also been incorporated into our Residents’ and Fellows’ Wellness Portfolio.

On the home front, my wife Kathy should get 99% of the credit for raising our 3 children, who have all embarked on successful professional careers, of which we are most proud. Two of the 3 children have tried to claim ownership to some of the signed Montreal Canadiens memorabilia addressed “To Dr. Chin .....

Many colleagues and patients have asked “What would you do with all your time?”. Kathy and I plan to spend more time at our cottage on Lake Huron. I have re-stocked my oil paints and have bulk-ordered canvasses. I plan to paint different version of the Lake Huron sunset, (inspired by - stealing from – Monet and his 12 versions of water lilies and the bridge at Giverny). I am hoping to do a couple more half-marathons, down-graded from full marathons ...and going from slow to ultra-slow. I am also trying to retrieve, from my cerebellum and pre-frontal cortex, long-forgotten reflexes, hand-eye coordination and skills in tennis, badminton, squash and ping pong, to be amalgamated and reapplied on the pickleball court!

Patients invariably congratulate me on learning of my retirement, and many then add: “Retirement will be the best job you’ve ever had!”. Although well-meaning, I think they are mistaken. The best job I have ever had is the one I have had for four decades, for which I am indebted to Kathy, my colleagues, residents and fellows, and tens of thousands of patients. *Dr. Joseph Chin*

**DASH**   
**WALK/RUN FOR PROSTATE CANCER 4DAD**



The Dash4Dad Prostate Cancer Run/Walk will make its long-awaited return of the “Live Version” on Father’s Day Sunday June 19th, 2022, after a two-year pandemic hiatus. Please join your colleagues, friends, and our prostate cancer survivors and their loved ones for the Run/Walk at Springbank Gardens. We hope to duplicate last year’s high mark of \$100,000 raised for prostate cancer research. Register at <https://www.dash4dad.ca> and ask your friends and relatives for sponsorship. You can also donate to support registered runners, which include several of our faculty members and residents.

## Uro-Oncology Fall Review

**Save the Date!!**

The 2022 Uro-Oncology Fall Review will take place the weekend of **Oct 14-16, 2022** at the Oakwood Inn in Grand Bend, Ontario. Looking forward to seeing you all there!! More info coming soon...

***“We do not inherit the earth from our ancestors,  
we borrow it from our children.”***

- Indigenous Proverb

In the years since I completed my training at Western, my focus has expanded to examine the ways in which human health and the health of the world around us is linked; in short, planetary health. No longer a theoretical fringe belief, we are seeing the effects of global warming at an increasing pace, and as physicians we will be on the front lines yet again to help treat its effects. But what if as physicians we could act preventatively, to reduce the impacts of climate change?

I have had the privilege of co-founding the Green Is Health Medical Interest Group, as part of the Ontario Medical Association. I have also started a Green Team within the Scarborough Network to urge our administration to consider more sustainable practices. My goal is to make climate change information more accessible to physicians, and to help create climate solutions. As surgeons, some easy “fixes” could include:

- reusing equipment or materials (ex. gowns, drapes) when possible
- streamlining equipment lists (and thereby reprocessing needs)
- sourcing equipment locally (this is how the National Health Service in the UK significantly decreased their carbon footprint!)
- encouraging the use of recycling programs (ex. vinyl materials, Stryker instruments)
- changing to LED lightbulbs
- promoting plant-based proteins and reducing red meat consumption

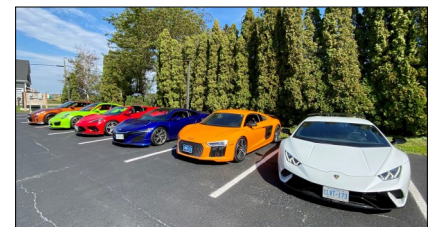
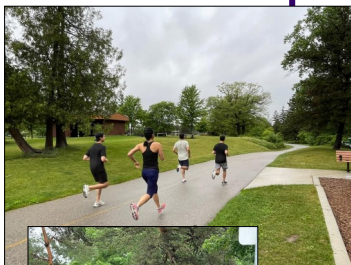
And most importantly, advocating to others about why you are making your decisions. You would be surprised to see how much your lifestyle changes and talking about them can really influence others positively. Plus if you're senior to your peers, your juniors sort of have to listen to your ramblings!

All joking aside, if you'd like to know more about Green Is Health, or the myriad of greening solutions, you can follow us at:  
 Twitter: @greenishealthmd  
 Instagram: @greenishealth.md  
 Facebook: <https://www.facebook.com/greenishealthmd>  
 Email: [greenishealthmd@gmail.com](mailto:greenishealthmd@gmail.com)  
 Youtube: <https://www.youtube.com/channel/UC1sSRIyvVN9SSAnKC3S6FmQ>



Hope to see you around, Kim-Chi Tran

## 2021 Urology Wellness Events



## Scientist Corner



Dr. Jessica Prodger is a Tier II Canada Research Chair in Genital Immunology and STI prevention, with a primary appointment in the Department of Microbiology and Immunology. She received her PhD from the University of Toronto and completed Postdoctoral Fellowships at the Johns Hopkins School of Public Health and at the Laboratory for Immunoregulation at the National Institutes of Health. Her research is focused on understanding the drivers of inflammation in the genital mucosa and the downstream effects of inflammation on sexual health, with a specific focus on penile HIV susceptibility and neovaginal health in transfeminine individuals. Dr. Prodger is a longstanding Research Collaborator at the Rakai Health Sciences Program in Uganda and is the Director of the Global Health Systems Master's program – a collaborative professional degree program run jointly between Schulich and the Faculty of Health Sciences.

Dr. Rabindra Bhattacharjee's research focuses on the role of innate immune receptor including Toll-like receptors (TLR) mediated pro-inflammatory and anti-inflammatory responses in ischemia reperfusion injury (IRI). IRI continues to be a major concern in transplantation since its occurrence during organ retrieval, subsequent storage in anoxic cold solutions and reestablishment of blood supply post-transplant in the recipient is unavoidable. Our laboratory has successfully developed multiple models of kidney IRI in mouse, porcine, and human discard to enable us to design and study modes of intervention to prevent consequent damage. In addition, a simulated ischemia reperfusion injury model (sIRI) has recently been optimized to study efficacy of existing drugs in neutralizing IRI as well as to define the mechanism of the outcome. Finally, our goal is to identify a novel organ preservation method which can protect the organ from damages pre-transplant and promote its optimal function post-transplant. By elucidating the specific immune signaling pathway(s) and repositioning existing drug(s) to prevent IRI-induced inflammation, we target to develop better treatment options for organ preservation to ensure prolonged graft survival in patients with improved quality of life in transplantation. We are currently working on a large-scale repositioning of off-patents drugs to find out target(s) of specific innate immune system involved in the processes and therefore, further reduce ischemic injury, cell death, and inflammation for optimal preservation, protection and function of *ex vivo* grafts pretransplant.



Dr. Jeremy Burton's lab is still very interested at looking at urinary and gut microbiomes and their linkages to urology and the group is still growing and work progressing on different fronts. Some recent lab research highlights include our work with Lawson Imaging, where we are developing new ways of visualizing the microbes by PET-MRI. This will hopefully allow us to follow microbes around the body and urinary system in real time. We have exciting new work making mini organ like structures to use as models for kidney stone disease, UTI and Peyronie's disease in with our local urologists to test the influence of the microbiota and other treatments. Additionally, working with the transplant team, we are looking at how we can promote beneficial microbes and outcomes for kidney transplant patients, amongst several other interesting studies underway or about to start.

Some worthy mentions from the group include: Dr. Gregor Reid (now *Professor Emeritus*) who for lifetime achievement was awarded the prestigious Dr. Rogers prize in 2021, Dr. Kaitlin AI, who recently won the AUA Research Scholar award to continue her work looking at microbes in the gut impacting kidney stones, and Gerrit Steivenburg (PhD student) was a recipient of an Ontario graduate scholarship to pursue his work looking at the microbial production of toxins that may enhance kidney stone formation. We will also miss Dr. Brendan Wallace who has been part of our lab scape for the last couple of years now looking at factors which influence crystal growth, and we wish him well.

## *From the Program Director*

*Sumit Dave*



The light at the end of the tunnel is getting brighter; we just seem to be heading slowly towards it. Another year has passed and we are all safe and chugging along; that, remarkably, is enough cause to be happy and thankful. As a program, however, it is an apt time to thank our wonderful residents and recognize how admirably they have dealt with the challenges they have faced over the last few years. Residency in the best of times is tough; this was a curve ball which kept deviating and changing course and required adaptation, resilience and a strong commitment to personal learning and to our Program, while maintaining their personal wellness. I may be over effusive in praise here given this is my last PD note, but I sincerely believe that you all make us proud each day and make it all worthwhile.

The abstracts at Research Day are also a testament of your academic investment in these challenging times and I would like to congratulate you all for your effort and diligence. Academically, our Program continues to evolve and make strides. The PGY1 Boot camp expanded to include University of Toronto residents last year (joining McMaster), the cadaveric labs are getting more innovative and better streamlined and we finally got back to the pig labs at CSTAR this spring. We are working on having access to the cadaver lab on a weekly basis every month and to set up a CBME stage-based cadaveric lab curriculum. We hope to restart the robotic curriculum in the fall, once we re-acquire the support and plan to share it with the Royal College Specialty Committee this coming June at the CUA and integrate it with the robotic program at the University of Toronto.

I would also take this opportunity to acknowledge our Faculty, both here in London and our adjunct faculty in Sarnia, Windsor and Own Sound. We have constantly demanded your participation and added on to the pressures of your practice and academic requirements. Never as a Program in my many years of experience, have I found you not stepping up to teaching and assessment duties. This is a key to how our Program functions and our last accreditation highlighted this strength. The way we reluctantly, but strongly embraced CBME, and made it more efficient over time in our Competency Committee processes (thanks to Dr. Wang) serves as a role model for many programs at Schulich and across Canada. This was testified by the strong Royal College review of CBME Expectations and Achievements Review that was conducted last year.

As a Program, we have continued to evolve based on resident and faculty feedback. We have sorted a few niggling issues by engaging other teams, streamlined some work-flow processes, focused on wellness, and we continue to identify and seek out issues and things we can do better. Our Program will be going through a wonderful and exciting transition. Dr. Wang takes over as Program Director with Dr. Campbell as the Assistant PD starting in July. We are proud that two of our own will now be at the helm of affairs and they bring great experience, enthusiasm and vision. This is a well-planned transition and the future of our Program looks bright and exciting. They have a great template to work with: supportive residents, a supportive leader in Dr. Sener and our own Faculty mentors.

Farewells and welcome notes suggest progress and evolution. Dr. Chin will be retiring soon - it will be very hard to replace him but this is an opportunity to thank him for his immense contribution to teaching and specifically surgical training. I feel that compared to his significant academic achievements, this contribution to a generation of residents and fellows is his greatest legacy. We will miss Ernest Chan, and his steadfast approach, diligence and sometimes difficult to handle persistence. We are very proud of his achievements and wish him and his family the very best for his fellowship at Credit Valley. We welcome 3 new members to our team; Andy, Danny and Victoria - we are immensely happy to have matched them to our program and wish them the best on this arduous and fun journey (sometimes) of 5 years with us.

Lastly, I may be the only PD who said this aloud, but I will be sorry losing this wonderful direct connection and bonding I had with a group of bright, diligent and dedicated residents. Yes, they did throw some challenges and unexpected extra meetings sometimes but, being a parent, I was well trained. Because, mostly, and in general, they made us proud and happy. I think their blossoming and going on to being competent and compassionate urologists, is the greatest joy I find in my academic career.

## Goodbye and Best Wishes!

It has been a privilege to share the last five years with the Western Urology family. I will always look back on my time in London with fondness and admiration for my fellow residents, who I continue to learn from every day; the consultants, who have been patient and dedicated throughout my training; and the fellows, who are always generous and helpful (you know who you are!). I would like to especially thank Dr. Joseph Chin who has been my mentor throughout residency and has kept me on the straight and narrow right from the start. Congratulations on an incredible and legendary career Dr. Chin! I am sure that your signature foot tapping will be missed in the OR. Special thanks as well to Dr. Patrick Luke who got me hooked on urology during my clinical clerkship and has been a constant source of support for me in my academic and personal life. Also, much appreciation to Kimberly Nitz, who continues to be the tireless foundation of our residency program, and my program directors Dr. Alp Sener and Dr. Sumit Dave. Most importantly, I would like to thank my wife Cheryl, who has been my biggest supporter throughout medical school and residency. I could not have survived the last five years without her by my side. Last year, we welcomed baby Chloe into our lives who has brought an endless supply of happiness to our days (and nights). We are so fortunate to have been supported by our friends and Western Urology family over the years. We look forward to staying connected with you as we move home to Mississauga, Ontario, where I will be completing a fellowship at Credit Valley Hospital. So long and see you around! *Ernest Chan*



## Congratulations to the recipients of the 2021 Urology Travel Awards!!



Dr. Juliano Mello Offerni received the **Dr. Eric Shepherd Travel Award for Transplantation Research**—this award is provided to support a postdoctoral/clinical fellow from the Division of Urology who is attending a conference or meeting related to Transplantation Research. Award recipients are chosen on academic merit.

Dr. Michael Pignanelli received the **Dr. Gerald Brock Resident Career Development Award**—provided per academic year for urology residents presenting at specialty conferences for short-term electives, or educational courses that align with individual career plans/goals.



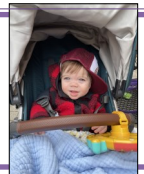
## 2022-2023 Urology Resident Roles

Chief Residents: J.Cepek, M.Pignanelli, N.Stern  
Resident Wellness Representative: W.Luke  
CBME Resident Lead: N.Stern

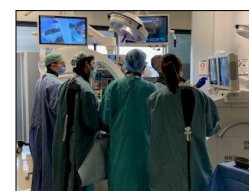
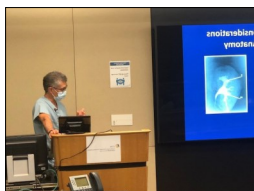
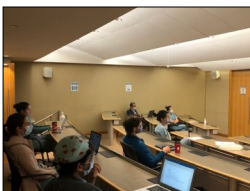
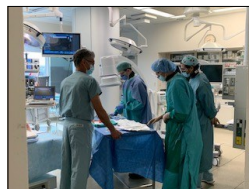
RTC Representative: M.Pignanelli  
CaRMS Representatives: B.Liu, M.Playfair  
Bootcamp Representatives: B.Liu, W.Luke

## What's New with the Residents?

Welcome! Leo Muzzi arrived on July 22, 2021 to Leandra Stringer and Marco Muzzi



### Urology Lab at CSTAR



*Follow the Fellows*

It is hard to believe that my two years at Western are almost over! My research year started at the pandemic's beginning, moving from one lockdown to another. Although COVID-19 was still around, the second year paid off. I truly feel blessed to be trained by an outstanding group of surgeons, including Dr's Chin, Izawa, Power and Huynh. It is hard to describe the surgical experience and professional growth I have gained here; my list of tips and tricks adds to becoming a sizeable chapter book. The lessons and tools that I have learned here will be kept in my armamentarium for the rest of my carrier. During this year, I also had the chance to get to know the residents – you are fantastic, and I wish the best of luck to all of you! The kindness of all the people that helped me at the London Health Sciences Centre will be held in my heart forever. For all of this and much more, I will be forever grateful. Our time in London as a family, including my wife and two daughters, will be cherished and remembered as a remarkable experience.

*Daniel Halstuch*



I guess it's kind of common place to say that two years went flying by, but that's how I feel. My family and I loved each new lesson learned here in Canada: build snowmen, walk on ice (fall and get up), never trust the weather forecast... I feel blessed to have had the opportunity to work with such renowned professionals, Dr. Sener and Dr. Luke. These two years corroborate my view that one has always something to learn not only in the medical field but in every aspect of life, staying humble and respectful are the qualities one should always keep in check. My plan includes to continue improving my knowledge and academic experience but adding one more year at Western University as a research fellow. In Portuguese, when we want to say we are grateful for something we use the word "Obrigado"; this shows gratitude and appreciation but most of all, it means that you are indebted to the person. So, the most important thing I have to say to everyone that was part of my so far incredible journey here at Western is OBRIGADO for your friendship.

*Juliano Offerni*



It seems like yesterday when I moved to London to start my fellowship in the middle of a pandemic. I owe a deep debt of gratitude to Dr. Bjazevic, Dr. Razvi, Dr. Pautler and Dr. Denstedt for making me the endourologist that I am today. They have provided me outstanding guidance in the operating room and clinic to give me the confidence as I transition to my own practice. It has been a pleasure to work with the residents and I hope I was able to teach them something along the way. My wife and I greatly enjoyed our time in London by making lifelong friends and unforgettable memories. Our next chapter will take us to Bangor, Maine to start our careers and bring us closer to home after spending the last 7 years in Ontario.

*Brendan Wallace*

The year I spent as a reconstruction and andrology fellow at Western was all about challenging cases, learning experiences, and fun. From day one, I felt a part of the team and was lucky to have amazing mentors. The support and skills I got from Dr. Welk and Dr. Campbell are unparalleled. I must also mention the legendary Dr. Brock, who saw me and decided to retire... but still, I was fortunate enough to work with him throughout the year and learned a lot. The fellows and residents became my best friends, and it was great to be there for each other. After my fellowship, I'm going back to the Tel Aviv Medical Center in Tel Aviv, Israel to work as a senior urologist focusing on both andrology and reconstruction.

I had the time of my life! Yallabye, *Snir Dekalo*



I can hardly believe it's been already three years since I arrived for my (planned 6-month) Endourology fellowship in London and the world has changed in so many ways. I had an incredible opportunity to do an extended fellowship of three years with both clinical and research activities and to learn more of Endourology while developing my skills. I could never thank enough Dr. Denstedt, Dr. Razvi, Dr. Pautler, and Dr. Bjazevic for their patience and their urological and life lessons. It was also a pleasure to get to know and work with all the residents and the Urology staff. Although it's an end to a very important cycle, I'll be staying in London and in this next year I will be looking forward new and different experiences as an Andrology and Reconstruction fellow.

*Fernanda Gabrigna Berto*





### *Edem (Andy) Aferni*

Hometown: Accra, Ghana  
Undergrad: University of Toronto  
MD: University of Toronto

In addition to being an honor, I am very thrilled to be joining the Urology team at Western University. Also looking forward to exploring the city of London while learning how to ice-skate. Ultimately, the journey to being an excellent and compassionate Urologist is one I have been hoping to embark on, hence am excited to work with and learn from the amazing group of staff and residents at Western University.



## Getting to know the PGY1s:

### *Victoria Turnbull*

Hometown: Toronto, ON  
Undergrad: Western University  
Medical School: McMaster University  
I am delighted to be joining the Western Urology team! It is an honour to join such an incredible group of residents, fellows and faculty, and I am ecstatic to return to London for this stage of my training. Outside of medicine I enjoy snuggling with my two dogs, Senator and Tungsten, and I am looking forward to joining Dr. Campbell's Survivor pool!



### *Danny Matti*

Hometown: London, Ontario  
Undergrad: Western University  
MD: Western University

It is truly an honour to be back with the Western Urology team. My interest in Urology sparked immediately during my first rotation with the team and I have not looked back since. I had the privilege of learning from many faculty members at all three sites and everyone has always been so welcoming. I look forward to being back in July and spending the next five years in my hometown learning from and contributing to an esteemed program.



## *Division Productivity 2021 (Jan. - Dec.)*

### *Honors and Awards*

#### **Dr. Jennifer Bjazevic:**

- Top Ten Reviewer, Canadian Urology Association Journal

#### **Dr. Jeffrey Campbell:**

- Best Basic science abstract – Sexual Medicine Society of North America (SMSNA) 2021: Intracavernous Injection of Botulinum Toxin may Improve Erectile Function in a Bilateral Cavernous Nerve Injury Animal Model

#### **Dr. Sumit Dave:**

- Department of Surgery Merit Award - Education, in recognition of outstanding achievement in education

#### **Dr. John Denstedt:**

- Department of Surgery Academic Merit Award - Service, in recognition of outstanding achievement in service
- Honorary Member, Brazilian Society of Urology
- Honorary Member, European Association of Urology

#### **Dr. Melissa Huynh:**

- Canadian Urologic Association Journal Top 10 Reviewers of 2021, Canadian Urologic Association

#### **Dr. Hassan Razvi:**

- Best Fellow Presentation, JK Wyatt Urology Residents Research Day (Dor Golomb, supervised Fellow),
- Division of Urology Residents' Teaching Award, Schulich School of Medicine & Dentistry

#### **Dr. Alp Sener:**

- Outstanding Service Award, Urologic Society for Transplantation and Renal Surgery (American Urological Association). First time ever awarded to a President
- Department of Surgery Clerkship Teaching Award

#### **Dr. Peter Wang:**

- Schulich Educator Award of the 2021 Schulich Excellence in Education Awards (Undergraduate)

#### **Dr. Blayne Welk:**

- First place, (Carolyn McLeod, PGY 1, Supervisor, Decision aids for patients with lower urinary tract dysfunctions: A systematic review. Division of Urology Research Day, Western University

## Grants

### Academic Medical Organization of Southwestern Ontario (AMOSO):

- Pilot study: Mindfulness-based Group Therapy as a Multi-Disciplinary approach to treat Erectile Dysfunction. PI: **Campbell J** \$97,500
- Supporting Physicians: A Multi-Systems Investigation to Understand Burnout, Resilience, Moral Injury, and Institutional Trust. PI: Richardson JD, Co-Investigator: **Power N, Sener A**. \$299,545
- Psychological and physiological factors on surgical trainability. PI: Wang PZT \$65,000
- Investigating the risk of long-term complication after pediatric surgery to propose a standard for follow-up duration. Co-PI: **Dave S, Welk B** \$80,100

### Canadian Institutes of Health Research (CIHR):

- Filling Knowledge Gaps for the Success of Ontario Renal Plan 3. PI: M Weir, Co-Investigator: **Welk B** \$1,143,676

### Canadian Urologic Association: Canadian Men's Sexual Health Council:

- Pilot study: Mindfulness-based Group Therapy as a Multi-Disciplinary approach to treat Erectile Dysfunction. PI: **Campbell J**, Co-Investigator: **Welk B** \$50,000

### Kimberly-Clark Inc.:

- Growth of Gardnerella vaginalis in prebiotic substrates. PI: **Burton J** \$ 28 000 USD

### Lawson Internal Research Fund:

- Effect of AP39 treatment during cold preservation and reperfusion of human discarded kidneys. PI: **Sener A**. \$15,000
- Evaluating novel pathways of pain management in kidney transplant recipients. PI: Tang E, **Sener A**. \$14,000

### London Health Sciences Centre:

- Investigating the risk of long-term complication after pediatric surgery to propose a standard for follow-up duration. PI: **Dave S** \$85,000

### Multi-Organ Transplant Program Research Fund:

- The use of direct tap blocks in the management of post-operative pain in transplant recipients. PI: Tang E, **Sener A**. Grant Total: \$24,200

### Northeastern Section of the American Urological Association:

- Examination of microbiota menaquinone (Vitamin K2) production in urinary stone disease utilizing a novel 3D-spheroid in vitro cell culture model. Datta G. Wagle Young Investigator Award. PI: **Bjazevic J**: \$30,000.

### Schulich School of Medicine & Dentistry:

- Undergraduate Summer Research Internship Program (USRI). PI: **Dave S** \$5,625

### Surgery, Department of, Internal Research Fund:

- Evaluation of a new citrate containing dietary supplement for the prevention of urinary stone disease. PI: **Bjazevic J**. \$6,500
- Comparison of [18F] PSMA-1007 PET/CT and Conventional Imaging in the Detection of Metastatic Clear Cell Renal Cell Carcinoma. PI: **Huyhn M**. \$10,000
- Effect of AP39 treatment during cold preservation and reperfusion of human discarded. PI: **Sener A**. \$10,000
- Hydrogen sulfide treatment of human kidneys. PI: **Sener A**. \$10,000

### Surgical Oncology SRF:

- Comparison of [18F] PSMA-1007 PET/CT and Conventional Imaging in the Detection of Metastatic Clear Cell Renal Cell Carcinoma. PI: **Huyhn M**. \$25,000

### Weston Family Foundation:

- The role of gut microbiome in conferring sensitivity or resistance to systemic therapy in pancreatic cancer Co-PIs: S.Maleki, J.Burton \$450,000

## Publications

Al-Hogbani M, Duguay J, Wagner DC, Haferkamp A, Joubert P, Frees S, Rendon R, **Power N**, et al. Expression of programmed death ligand-1 (PD-L1) in metastatic and postchemotherapy viable testicular germ cell tumors. *Urol Oncol*, 2021 May; 39 (5): 303.e1-303.e8, DOI: 10.1016/j.urolonc.2021.02.014

Al K, **Burton JP**. Processing human urine and ureteral stents for 16S rRNA amplicon sequencing. *Cell Star protocols*, 2021 STAR-PROTOCOLS-D-20-00375R1

Al K, Puebla-Barragan S, Reid G, **Burton JP**. Young Scientist's Perspective- Microbiology trainees and social media: making science go viral during a pandemic. *FEMS Microbes FEMSMC-2021-005.R1*, 2021

Batra A, Marchioni M, Hashmi AZ, Lonergan PE, Morgans AK, Nead KT, Nguyen PL, Winkvist E, **Chin JL**. Cognition and depression effects of androgen receptor axis-targeted drugs in men with prostate cancer: A systematic review. *J Geriatr Oncol*, 2021 Jun; 12 (5): 687-695, DOI: 10.1016/j.jgo.2020.11.002

Bhindi B, Kool R, Kulkarni GS, Siemens DR, Aprikian AG, Breau RH, Brimo F, Fairey A, French C, Hanna N, **Izawa JI**, et al. Canadian Urological Association guideline on the management of non-muscle invasive bladder cancer. *Can Urol Assoc J*. Online ahead of print. 2021 Apr 26, DOI: 10.5489/auaj.7367

**Bjazevic J**. An eyes-wide-open approach to laser eye safety Re: Canadian Urological Association best practice report: Holmium:YAG laser eye safety and laser-associated eye injury (CUAJ, Dec 2020). *Can Urol Assoc J*, 2021 Mar; 15 (3): E195, DOI: 10.5489/auaj.7116

- Bouhadana D, Nguyen DD, Raizenne B, Schwarcz J, Gordon H, Chughtai B, Elterman DS, Lavallée LT, Martin P, McAlpine K, Paterson R, **Razvi H**, et al. Evaluating the acceptability of an online patient decision aid for the surgical management of lower urinary tract symptoms secondary to benign prostatic hyperplasia. *Can Urol Assoc J*, 2021 Aug; 15 (8): 247-254, DOI: 10.5489/cuaj.7492
- Bouhadana D, Nguyen DD, Schwarcz J, Gordon H, Elterman DS, Lavallée LT, Martin P, McAlpine K, Paterson R, **Razvi H**, et al. Development of a patient decision aid for the surgical management of lower urinary tract symptoms secondary to benign prostatic hyperplasia. *BJU Int*, 2021 Jan; 127 (1): 131-135, DOI: 10.1111/bju.15307
- Breau RH, Fergusson DA, Knoll G, McAlpine K, Morash C, Cnossen S, Lavallée LT, Mallick R, Finelli A, Jewett MAS, Leibovich BC, Cook JA, Kapoor A, Pouliot F, **Izawa J**, et al. Hypothermia During Partial Nephrectomy for Patients with Renal Tumors: A Randomized Controlled Trial. *J Urol*, 2021 May; 205 (5): 1303-1309, DOI: 10.1097/JU.0000000000001517
- Carr C, Wilcox H, **Burton JP**, et al. Deciphering the low abundance microbiota from presumed aseptic hip and knee implant samples. *PLOS One* 2021 PONE-D-21-14757R2
- Chan EP**, Nair SM, Hetou K, Stephenson E, **Power NE**, **Izawa J**, **Chin JLK**. Longitudinal experience with Studer neobladders: Outcomes and complications. *Can Urol Assoc J*. Online ahead of print. 2021 Jan 1; 2021 Jan 4 (doi:10.5489)
- Chan EP**, Forster A, **Stringer LS**, Meeks WD, Fang R, Franc-Guimond J, **Sener A**. Burnout in Canadian Urology: Cohort analysis from the 2018 CUA Census. *Can Urol Assoc J* 2021 Jun; 15 (6 Suppl 1): S5-S15, DOI: 10.5489/cuaj.7232
- Chin JL**, Lavi A, Metcalfe MJ, et al. Long-Term Outcomes of Whole Gland Salvage Cryotherapy for Locally Recurrent Prostate Cancer Following Radiation Therapy: A Combined Analysis of Two Centers. *J Urol*. 2021 Sep; 206 (3): 646-654, DOI: 10.1097/JU.0000000000001831
- Chmiel JA, Stuivenberg GA, Alathel A, Gorla J, Grohe B, **Razvi H**, **Burton JP**, **Bjazevic J**. High-Throughput in vitro Gel-Based Plate Assay to Screen for Calcium Oxalate Stone Inhibitors. *Urol Int* 2021 Dec 9: 1-7, DOI: 10.1159/000519842
- Chmiel JA, Pitek AP, **Burton JP**, Thompson GJ, Reid G. Meta-analysis on the effect of bacterial interventions on honeybee productivity and the treatment of infection. *Apidologie* 2021;1-13
- Choong S, DE LA Rosette J, **Denstedt J**, et al. Classification and standardized reporting of percutaneous nephrolithotomy (PCNL): International Alliance of Urolithiasis (IAU) Consensus Statements. *Minerva Urol Nephrol*, 2022 Feb; 74 (1): 110-118, DOI: 10.23736/S2724-6051.20.04107-7
- Clemens KK, Reid JN, Shariff SZ, **Welk B**. Validity of Hospital Codes for Obesity in Ontario, Canada. *Can J Diabetes*, 2021 Apr; 45 (3): 243-248.e4, DOI: 10.1016/j.cjcd.2020.08.106
- Cool DW, Xu SS, Li KJ, **Power NE**, Kribs SW. Percutaneous Neoanastomosis Creation for an Ileal Conduit Ureteroenteric Occlusion using Radiofrequency Guidewire and Snare Target Technique. *J Vasc Interv Radiol*. 2021 May; 32 (5): 778-781, DOI: 10.1016/j.jvir.2020.12.028
- Corkum MT, Loblaw DA, Morton G, Louie AV, Glicksman R, **Chin J**, et al. Radiation Oncologist Consultations Prior to Prostatectomy: Disparities and Opportunities. *Int J Radiat Oncol Biol Phys*, 2021 Nov; 111 (3S): e268-e269, DOI: 10.1016/j.ijrobp.2021.07.875
- COVIDSurg Collaborative. GlobalSurg Collaborative. **[Razvi H]**. Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study. *Anaesthesia*, 2021 Nov 1; 76 (11): 1454-1464, DOI: 10.1111/anae.15560
- COVIDSurg Collaborative, GlobalSurg Collaborative. **[Razvi H]**. SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study. *Br J Surg*, 2021 Sep 27; 108 (9): 1056-1063, DOI: 10.1093/bjs/zna101
- COVIDSurg Collaborative. GlobalSurg Collaborative. **[Razvi H]**. Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study. *Anaesthesia*, 2021 Jun; 76 (6): 748-758, DOI: 10.1111/anae.15458
- Craven LJ, Parvathy S, **Burton JP**, Silverman M. Reply to Ianiro et al. Allogenic fecal microbiota transplantation in patients with non-alcoholic fatty liver disease improves abnormal small intestinal permeability: a randomized control trial. *Am J Gastroenterol* 2021, doi: 10.14309/ajg.0000000000001160
- Crescenze IM, Lenherr SM, Myers JB, Elliott SP, **Welk B**, et al. Self-Reported Urological Hospitalizations or Emergency Room Visits in a Contemporary Spinal Cord Injury Cohort. *J Urol*, 2021 Feb; 205 (2): 477-482, DOI: 10.1097/JU.0000000000001386
- Daisley BA, Koenig D, Engelbrecht K, Doney L, Hards K, Al K, Reid G, **Burton JP**. Emerging connections between gut microbiome bioenergetics and chronic metabolic diseases. *Cell Reports* 2021 D-21-03618R1
- Davidson J, Ding Y, **Chan E**, **Dave S**, **Bjazevic J**, Filler G, **Wang PZT**. Postoperative outcomes of ureteroscopy for pediatric urolithiasis: A secondary analysis of the National Surgical Quality Improvement Program Pediatric. *J Pediatr Urol*, 2021 Oct; 17 (5): 649.e1-649.e8, DOI: 10.1016/j.jpuro.2021.06.004
- Degen RM, McClure JA, Le B, **Welk B**, Marsh J. Persistent post-operative opioid use following hip arthroscopy is common and is associated with pre-operative opioid use and age. *Knee Surg Sports Traumatol Arthrosc*. 2021 Aug; 29 (8): 2437-2445, DOI: 10.1007/s00167-021-06511-0
- Deng G, Gofeld M, Reid JN, **Welk B**, et al. A Retrospective Cohort Study of Healthcare Utilization Associated with Paravertebral Blocks for Chronic Pain Management in Ontario. *Can J Pain*, 2021 Jan; 5 (1): 130-138, DOI: 10.1080/24740527.2021.1929883
- Denstedt J**. EDITORIAL COMMENT. *Urology*, 2022 Feb; 160: 107, DOI: 10.1016/j.urology.2021.03.059
- Domes T, Najafabadi BT, Roberts M, **Campbell J**, et al. Author Reply: The nuances of GRADE. *Can Urol Assoc J*, 2021 Dec; 15 (12): 426-428, DOI: 10.5489/cuaj.7679
- Domes T, Najafabadi BT, Roberts M, **Campbell J**, et al. Canadian Urological Association guideline: Erectile dysfunction. *Can Urol Assoc J*. 2021 Oct; 15 (10): 310-322, DOI: 10.5489/cuaj.7572
- Dragomir A, Nazha S, Tanguay S, Breau RH, Bhindi B, Rendon RA, Kapoor A, Hotte SJ, Basappa N, Fairey A, So AI, Kollmannsberger C, Finelli A, Hansen A, Canil C, Heng D, Lattouf JB, Bjarnason G, **Power N**, et al. Outcomes of Cytoreductive Nephrectomy for Patients with Metastatic Renal Cell Carcinoma: Real World Data from Canadian Centers. *Eur Urol Focus*. Online ahead of print. 2021 Nov, DOI: 10.1016/j.euf.2021.10.004
- Dugbartey GJ, Alornyo KK, **Luke PPW**, **Sener A**. Application of carbon monoxide in kidney and heart transplantation: A novel pharmacological strategy for a broader use of suboptimal renal and cardiac grafts. *Pharmacol Res*. Online ahead of print, 2021 Sep 12: 105883, DOI: 10.1016/j.phrs.2021.105883
- Dugbartey GJ, Zhang MY, Liu W, Haig A, McLeod P, Arp J, **Sener A**. Sodium thiosulfate-supplemented UW solution protects renal grafts against prolonged cold ischemia-reperfusion injury in a murine model of syngeneic kidney transplantation. *Biomed Pharmacother*, 2021 Nov 17; 145: 112435, DOI: 10.1016/j.biopha.2021.112435

- Dugbartey GJ, Juriasingani S, Zhang MY, **Sener A**. H2S donor molecules against cold ischemia-reperfusion injury in preclinical models of solid organ transplantation. *Pharmacol Res*, 2021 Oct; 172: 105842, DOI: 10.1016/j.phrs.2021.105842
- Golomb D, **Dave S**, **Berto FG**, McClure JA, **Welk B**, **Wang P**, **Bjazevic J**, **Razvi H**. A population-based retrospective cohort study analyzing contemporary trends in the surgical management of urinary stone disease in adults. *Can Urol Assoc J*. Online ahead of print. 2021 Nov 18, DOI: 10.5489/cuaj.7474
- Golomb D, **Berto FG**, **Bjazevic J**, Gomez JA, **Chin JLK**, **Luke PP**, **Pautler SE**. Simple prostatectomy using the open and robotic approaches for lower urinary tract symptoms: A retrospective, case-control series. *Can Urol Assoc J*. Online ahead of print. 2021 Aug 26, DOI: 10.5489/cuaj.7351
- Grober ED, Krakowsky Y, Khera M, Holmes DT, Lee JC, Grantmyre JE, Patel P, Bebb RA, Fitzpatrick R, **Campbell JD**, et al. Canadian Urological Association guideline on testosterone deficiency in men: Evidence-based Q & A. *Can Urol Assoc J*, 2021 May; 15 (5): E234-E243, DOI: 10.5489/cuaj.7252
- Groh AMR, Lamont J, de Oliveira C, Fanous J, Rajakumar N, **Power NE**, Beveridge TS. Characterizing the autonomic neural connections between the abdominal aortic and superior hypogastric plexuses: A multimodal neuroanatomical study. *Auton Neurosci*. Online ahead of print. 2021 Feb 13; 232: 102785, DOI: 10.1016/j.autneu.2021.102785
- Gros P, Wang X, Guan J, Lang AE, Austin PC, **Welk B**, et al. Exposure to Phosphoglycerate Kinase 1 Activators and Incidence of Parkinson's Disease. *Mov Disord*. Online ahead of print. 2021 Jul 9, DOI: 10.1002/mds.28712
- Guy D, Glicksman R, Buckley R, Cheung P, Chung H, Flax S, Hajek D, Loblaw A, Morton G, Noakes J, Spevack L, **Chin J**, Rodrigues G. Metastatic progression following multimodal therapy for unfavorable-risk prostate cancer. *Can Urol Assoc J*. Online ahead of print. 2021 Nov 18, DOI: 10.5489/cuaj.7525
- Guy DE, Chen H, Boldt RG, **Chin J**, Rodrigues G. Characterizing Surgical and Radiotherapy Outcomes in Non-metastatic High-Risk Prostate Cancer: A Systematic Review and Meta-Analysis. *Cureus*, 2021 Aug; 13 (8): e17400, DOI: 10.7759/cureus.17400
- Haider MA, Brown J, Yao X, **Chin J**, et al. Multiparametric Magnetic Resonance Imaging in the Diagnosis of Clinically Significant Prostate Cancer: an Updated Systematic Review. *Clin Oncol (R Coll Radiol)*, 2021 Dec; 33 (12): e599-e612, DOI: 10.1016/j.clon.2021.07.016
- Hetou K, Halstuch D, Lavi A, Nair SM, Gan A, **Huynh MJ**, **Izawa J**, **Chin JL**, **Power NE**. A Randomized Controlled Trial of a Modified Cystoscopy Technique using the Peak-End Rule in order to Improve Pain and Anxiety. *Urology*. Online ahead of print. 2021 Mar 11, DOI: 10.1016/j.urolgy.2021.02.033
- Holzman SA, Ahn JJ, Baker Z, Chuang KW, Copp HL, Davidson J, Davis-Dao CA, Ewing E, Ko J, Lee V, Macaraeg A, Nicassio L, Sadighian M, Stephany HA, Sturm R, Swords K, **Wang P**, Wehbi EJ, Khoury AE, Western Pediatric Urology Consortium (WPUC). A multicenter study of acute testicular torsion in the time of COVID-19. *J Pediatr Urol*, 2021 Aug; 17 (4): 478.e1-478.e6, DOI: 10.1016/j.jpuro.2021.03.013
- Honarmand K, Alshamsi F, Foroutan F, Rochweg B, Belley-Cote E, McClure G, D'Aragon F, Ball IM, **Sener A**, Selzner M, Guyatt G, Meade MO. Antemortem Heparin in Organ Donation After Circulatory Death Determination: A Systematic Review of the Literature. *Transplantation*, 2021 Dec; 105 (12): e337-e346, DOI: 10.1097/TP.0000000000003793
- Ikeda KM, House AA, Connaughton DM, **Pautler SE**, et al. Potential Pitfalls in Pre-implantation Genetic Diagnosis in a Patient with Tuberous Sclerosis and Isolated Mosaicism for a TSC2 Variant in Renal Tissue. *Mol Syndromol*, 2021 Jun; 12 (3): 154-158, DOI: 10.1159/000513326
- Jayne E, **Dave S**, **Wang PZT**, Beveridge T. Characterizing the Topography of the Vesical Portion of the Inferior Hypogastric Plexus and its Associated Endopelvic Fascial Planes: Informing Nerve-sparing Ureteric Reimplantation Surgery. *The FASEB Journal*, 2021 May 14, DOI: 10.1096/fasebj.2021.35.S1.01763
- Juriasingani S, Jackson A, Zhang MY, Ruthirakanthan A, Dugbartey GJ, Sogutdelen E, Levine M, Mandurah M, Whiteman M, **Luke P**, **Sener A**. Evaluating the Effects of Subnormothermic Perfusion with AP39 in a Novel Blood-Free Model of Ex Vivo Kidney Preservation and Reperfusion. *Int J Mol Sci*, 2021 Jul 2; 22 (13): 7180, DOI: 10.3390/ijms22137180
- Juriasingani S, Ruthirakanthan A, Richard-Mohamed M, Akbari M, Aquil S, Patel S, Al-Ogaili R, Whiteman M, **Luke P**, **Sener A**. Subnormothermic Perfusion with H2S Donor AP39 Improves DCD Porcine Renal Graft Outcomes in an Ex Vivo Model of Kidney Preservation and Reperfusion. *Biomolecules*, 2021 Mar 17; 11 (3): 446, DOI: 10.3390/biom11030446
- Juriasingani S, Vo V, Akbari M, Grewal J, Al-Abbassi A, Zhang M, Jiang J, Haig A, **Sener A**. Supplemental H2S improves outcomes in models of donation after cardiac death renal transplantation. *Can J Surg*. 2021 Jan
- Kalatharan V, **Welk B**, Nash DM, et al. Risk of Hospital Encounters with Kidney Stones in Autosomal Dominant Polycystic Kidney Disease: A Cohort Study. *Can J Kidney Health Dis*. 2021 Mar 16; 8: 20543581211000227, DOI: 10.1177/20543581211000227
- Kalatharan V, McArthur E, Nash DM, **Welk B**, et al. Diagnostic accuracy of administrative codes for autosomal dominant polycystic kidney disease in clinic patients with cystic kidney disease. *Clin Kidney J*, 2021 Feb; 14 (2): 612-616, DOI: 10.1093/ckj/sfz184
- Kim SY, Colaiacovo S, **Dave S**, et al. Aromatase deficiency in an Ontario Old Order Mennonite family. *J Pediatr Endocrinol Metab*, 2021 Dec 20; 34 (12): 1615-1618, DOI: 10.1515/jpem-2021-0229
- Klotz L, **Chin J**, Black PC, et al. Comparison of Multiparametric Magnetic Resonance Imaging-Targeted Biopsy With Systematic Transrectal Ultrasonography Biopsy for Biopsy-Naive Men at Risk for Prostate Cancer: A Phase 3 Randomized Clinical Trial. *JAMA Oncol*, 2021 Apr; 7 (4): 534-542, DOI: 10.1001/jamaoncol.2020.7589
- Krishnamoorthy M, Maleki Vareki S, **Burton JP**. The Microbiome and Urologic Cancers. In: Sun J. (eds) *Inflammation, Infection, and Microbiome in Cancers. Physiology in Health and Disease*. Springer, Cham. [https://doi.org/10.1007/978-3-030-67951-4\\_8](https://doi.org/10.1007/978-3-030-67951-4_8), 2021.
- Lavi A, Breau RH, Mallick R, Kapoor A, Finelli A, So A, Pouliot F, Tanguay S, Lavallée LT, Rendon R, Fairey A, Drachenberg DE, Lattouf JB, Maloni R, **Power NE**. Adrenalectomy During Radical Nephrectomy- Incidence and Oncologic Outcomes From the Canadian Kidney Cancer Information System (CKCis) -A Modern Era, Nationwide, Multicenter Cohort. *Urology*, 2021 Nov 1; 157: 168-173, DOI: 10.1016/j.urolgy.2021.05.053
- Lavi A, Nair SM, **Halstuch D**, **Chin JL**. Prostatic dystrophic calcification following salvage cryotherapy for prostate cancer - an under-reported entity? *Scand J Urol*. Online ahead of print. 2021 Feb; 55 (1): 33-35, DOI: 10.1080/21681805.2020.1849388
- Law J, **Welk B**. The risk of stress incontinence after urethral surgery in women. *Can Urol Assoc J*, 2021 Jan; 15 (1): E74-E75, DOI: 10.5489/cuaj.6583
- Lee JY, Andonian S, Bhojani N, **Bjazevic J**, Chew BH, De S, Elmansy H, Lantz-Powers AG, Pace KT, Schuler TD, Singal RK, **Wang P**, Ordon M, Dushinski J. Canadian Urological Association guideline: Management of ureteral calculi - Abridged version. *Can Urol Assoc J*, 2021 Dec; 15 (12): 383-393, DOI: 10.5489/cuaj.7652
- Lee JY, Andonian S, Bhojani N, **Bjazevic J**, Chew BH, De S, Elmansy H, Lantz-Powers AG, Pace KT, Schuler TD, Singal RK, **Wang P**, Ordon M. Canadian Urological Association guideline: Management of ureteral calculi - Full-text. *Can Urol Assoc J*, 2021 Dec; 15 (12): E676-E690, DOI: 10.5489/cuaj.7581

- MacDonald KM, Chanyi RM, Macklaim JM, Cadieux PA, Reid G, **Burton JP**. *Streptococcus salivarius* inhibits immune activation by periodontal disease pathogens. BMC Oral Health 2021, DOI : 10.1186/s12903-021-01606-z
- MacLeod C, Chan EP**, Rizkalla K, **Sener A, Campbell J**. Cases - Clear-cell urothelial carcinoma of the bladder. Can Urol Assoc J, 2021 Dec; 15 (12): E672-E675, DOI: 10.5489/cuaj.7418
- MacLeod C, Chan EP**, Rizkalla K, **Sener A, Campbell JD**. Clear cell urothelial carcinoma of the bladder: Case series and literature review. Can Urol Assoc J, 2021 Dec; 15 (12), DOI: 10.5489/cuaj.7418
- Matsui H, Sopko NA, **Campbell JD**, et al. Increased Level of Tumor Necrosis Factor-Alpha (TNF- $\alpha$ ) Leads to Downregulation of Nitrergic Neurons Following Bilateral Cavernous Nerve Injury and Modulates Penile Smooth Tone. J Sex Med. 2021 Jul; 18 (7): 1181-1190. DOI: 10.1016/j.jsxm.2021.05.001
- Mazzucchi E, Berto FCG, **Denstedt J**, et al. Treatment of renal lower pole stones: an update. Int Braz J Urol, 2022 Jan; 48 (1): 165-174, DOI: 10.1590/S1677-5538.IBJU.2020.1023
- Mikhail D, **Chan E**, Sharma H, Kleinstaub D, Wei J, Rim C, Henein M, **Sener A**, Jevnikar AM, Gabril M, Moussa M, **Luke PP**. Clinical Significance of Isolated V1 Arteritis in Renal Transplantation. Transplant Proc, 2021 Jun; 53 (5): 1570-1575
- Musabi M, Saker A, Baer J, **Wang PZT**, Prasad C, Bhattacharya. Road to a rare diagnosis: a case report exploring phenotype, clinical management and outcome of a rare and novel unbalanced translocation causing complete Trisomy 17p. Authorea, 2021 Dec 13, DOI: 10.22541/au.163937560.03582713/v1
- Nair SM, Hatiboglu G, Relle J, Hetou K, Hafron J, Harle C, Kassam Z, Staruch R, Burtnyk M, Bonekamp D, Schlemmer HP, Roethke MC, Mueller-Wolf M, Pahernik S, **Chin JL**. Magnetic resonance imaging-guided transurethral ultrasound ablation in patients with localised prostate cancer: 3-year outcomes of a prospective Phase I study. BJU Int, 2021 May; 127 (5): 544-552, DOI: 10.1111/bju.15268
- Osman MM, Huynh LM, El-Khatib FM, Towe M, Su HW, Andrienne R, Barton G, Broderick G, Burnett AL, **Campbell JD**, et al. Immediate preoperative blood glucose and hemoglobin a1c levels are not predictive of postoperative infections in diabetic men undergoing penile prosthesis placement. Int J Impot Res, 2021 Apr; 33 (3): 296-302, DOI: 10.1038/s41443-020-0261-5
- Paresdes-Bhushan V, Raffin EP, **Denstedt JD**, et al. Outcomes of Conservative Management of Splenic Injury Incurred During Percutaneous Nephrolithotomy. J Endourology, 2021 Feb; 34 (8): 811-815,
- Patel HD, Schwen ZR, **Campbell JD**, et al. Effect of Erythropoietin on Erectile Function after Radical Prostatectomy: The ERECT Randomized Clinical Trial. J Urol, 2021 Jun; 205 (6): 1681-1688, D
- Patel A, **Sener A**, Lee SY. Reversed diastolic flow in a renal transplant due to ureteric obstruction from intraluminal blood clot. J Clin Ultrasound. Online ahead of print. 2021 Oct 11, DOI: 10.1002/jcu.23079 OI: 10.1097/JU.0000000000001586
- Pinthus JH, Duivenvoorden WCM, Klotz L, Mukherjee SD, Siemens R, Niazi T, Fradet V, Foster W, Duceppe E, Taussky D, Hamilton R, Lavallee L, Brown I, Chin J, Gopaul D, Wassef A, Kassouf W, Davis M, Violette P, Agapay S, Balasubramanian K, Mian R, Rangarajan S, **Sener A**, et al. Low serum testosterone in newly diagnosed hormone-naïve prostate cancer patients is common and associated with cardiovascular risk factors. J Urology, 2021 Dec
- Povolo CA, Reid JN, Shariff SZ, **Welk B**, Morrow SA. Concussion in adolescence and the risk of multiple sclerosis: A retrospective cohort study. Mult Scler, 2021 Feb; 27 (2): 180-187, DOI: 10.1177/1352458520908037
- Puebla-Barragan S, Watson E, Van der Veer C, Chmiel J, Carr C, **Burton JP**, et al. Interstrain variability of human vaginal *Lactobacillus crispatus* for metabolism of biogenic amines and antimicrobial activity against urogenital pathogens. Molecules-1262872 2021
- Quisias J, **Chan EP**, Miao TL, Ramirez A, Ross I, **Wang PZT**. Case - Spontaneous thrombosis of varix in childhood. Can Urol Assoc J, 2021 Sep; 15 (9): E513-E515, DOI: 10.5489/cuaj.7016
- Rahimishahmirzadi M, Jevnikar AM, House AA, **Luke PP**, Humar A, Silverman MS, Shalhoub SM, Hosseini-Moghaddam SM. Late-onset allograft rejection, cytomegalovirus infection, and renal allograft loss: Is anti-CMV prophylaxis required following late-onset allograft rejection? Clin Transplant, 2021 Jun; 35 (6): e14285, DOI: 10.1111/ctr.14285
- Rude T, Moghalu O, Stoffel J, Lenherr S, Myers JB, Elliott S, **Welk B**, et al. The Role of Health Insurance in Patient Reported Satisfaction with Bladder Management in Neurogenic Lower Urinary Tract Dysfunction Due to Spinal Cord Injury. J Urol 2021 Jan; 205 (1): 213-218, DOI: 10.1097/JU.0000000000001346
- Sener A**. Surgeon burnout: It is time to make solutions a priority. Canadian Urological Association Journal. 2021 Jun; 15 (6 Suppl 1): S2-S4, DOI: 10.5489/cuaj.7359
- Sistani G, Metser U, Bauman GS, Laidley DT, **Pautler SE**, Zukotynski KA. Case series - 18F-DCFPyL-positron emission tomography/computed tomography (PET/CT) time of imaging. Can Urol Assoc J. 2021 Jul; 15 (7): E376-E379, DOI: 10.5489/cuaj.6984
- Sistani G, **Bjazevic J**, Kassam Z, Romsa J, **Pautler S**. The value of 99mTc-sestamibi single-photon emission computed tomography-computed tomography in the evaluation and risk stratification of renal masses. Can Urol Assoc J. 2021 Jun; 15 (6): 197-201, DOI: 10.5489/cuaj.6708
- Smith CW, Alfano R, Hoover D, Surry K, D'Souza D, Thiessen J, Rachinsky I, Butler J, Gomez JA, Gaed M, Moussa M, **Chin J, Pautler S**, Bauman GS, Ward AD. Prostate specific membrane antigen positron emission tomography for lesion-directed high-dose-rate brachytherapy dose escalation. Phys Imaging Radiat Oncol, 2021 Jul; 19: 102-107, DOI: 10.1016/j.phro.2021.07.001
- Smith CW, Alfano R, Hoover D, Surry K, D'Souza D, Thiessen J, Rachinsky I, Butler J, Gomez JA, Gaed M, Moussa M, **Chin J, Pautler S**, Bauman GS, Ward AD. Prostate Specific Membrane Antigen Positron Emission Tomography for Lesion-Directed High-Dose-Rate Brachytherapy Dose Escalation. Physics and Imaging in Radiation Oncology, 2021 Jul; 19: 102-107
- Smith CW, Hoover D, Surry K, D'Souza D, Cool DW, Kassam Z, Bastian-Jordan M, Gomez JA, Moussa M, **Chin J, Pautler S**, Bauman GS, Ward AD. A multiobserver study investigating the effectiveness of prostatic multiparametric magnetic resonance imaging to dose escalate corresponding histologic lesions using high-dose-rate brachytherapy. Brachytherapy, 2021 May; 20 (3): 601-610,
- Spradling K, Bhambhani HP, Chang T, Pao AC, Liao J, Leppert JT, **Welk B**, et al. Evaluation of Patient Treatment Preferences for 15 to 20 mm Kidney Stones: A Conjoint Analysis. J Endourol, 2021 May; 35 (5): 706-711, DOI: 10.1089/end.2020.0370
- Stern N**, Ly TL, **Welk B, Chin J**, Ballucci D, Haan M, **Power N**. Association of Race and Ethnicity With Prostate Cancer-Specific Mortality in Canada. JAMA Netw Open, 2021 Dec; 4 (12): e2136364, DOI: 10.1001/jamanetworkopen.2021.36364

- Stern N, Wang P, Dave S.** Instituting robotic pediatric urologic surgery in the Canadian healthcare system: Evaluating the feasibility and outcomes of robot-assisted pyeloplasty and ureteric reimplantation. *Can Urol Assoc J*, 2021 Apr; 15 (4): E215-E220, **Coauthor**, DOI: 10.5489/cuaj.6604
- Stoffel JT, Barboglio-Romo P, Lenherr SM, Elliott SP, O'Dell D, Myers JB, **Welk B.** Factors impacting bowel symptoms in a contemporary spinal cord injury cohort: results from the Neurogenic Bladder Research Group Registry. *Spinal Cord*, 2021 Sep; 59 (9): 997-1002, DOI: 10.1038/s41393-021-00667-9
- Stringer L, Cocco S, Jiang A, Chan EP, Myslik F, Brahm G, Razvi H, Dave S, Wang PZT.** Point-of-care ultrasonography for the diagnosis of testicular torsion: a practical resident curriculum. *Can J Surg*, 2021 Mar 19; 64 (2): E191-E195, DOI: 10.1503/cjs.019119
- Stringer L, Ly TL, Moreno NV, Hewitt C, Haan M, Power N.** Assessing geographic and industry-related trends in bladder cancer in Ontario: A population-based study. *Can Urol Assoc J*. Online ahead of print. 2021 Sep 24, DOI: 10.5489/cuaj.7263
- Tailly T, MacPhee RA, Cadieux P, **Burton JP**, Dalsin J, Wattengel C, Koepsel J, **Razvi H.** Evaluation of Polyethylene Glycol-Based Antimicrobial Coatings on Urinary Catheters in the Prevention of *Escherichia coli* Infections in a Rabbit Model. *J Endourol*, 2021 Jan; 35 (1): 116-121, DOI: 10.1089/end.2020.0186
- Tailly T, MacPhee RA, Cadieux P, **Burton JP**, Dalsin J, Wattengel C, Koepsel J, **Razvi H.** Evaluation of PEG-based Antimicrobial coatings on urinary catheters in the prevention of *E. coli* infections in a rabbit model *Journal of Endourology* 2021; END-2020-0186-OR.R2
- Tzelves L, Glykas I, Fragkouli C, Mitsikostas DD, Skolarikos A, **Welk B, Dellis A.** Validity and reliability of the Greek version of the neurogenic bladder symptom score (NBSS) questionnaire in a sample of Greek patients with multiple sclerosis. *World J Urol*, 2021 Jul; 39 (7): 2697-2702, DOI: 10.1007/s00345-020-03465-9
- Velaer KN, **Welk B, Ginsberg D, et al.** Time Burden of Bladder Management in Individuals With Spinal Cord Injury. *Top Spinal Cord Inj Rehabil*. 2021 Sep; 27 (3): 83-91, DOI: 10.46292/sci20-00007
- Welk B.** The argument against screening for bladder cancer in neuro-urological patients. *World J Urol*. Online ahead of print. 2021 Aug 19, DOI: 10.1007/s00345-021-03802-6
- Welk B, Killin L, Reid JN, Anderson KK, et al.** Effect of electronic medication reconciliation at the time of hospital discharge on inappropriate medication use in the community: an interrupted time-series analysis. *CMAJ Open*, 2021 Oct; 9 (4): E1105-E1113, DOI: 10.9778/cmajo.20210071
- Welk B, Munday C, Burton J, Baverstock RJ.** Fosfowash: Early proof of concept study investigating intravesical fosfomycin for recurrent urinary tract infections. *Can Urol Assoc J*. Online ahead of print. 2021 Jun 22, DOI: 10.5489/cuaj.7365
- Welk B, Myers JB, Kennelly M, et al (Neurogenic Bladder Research Group).** Using conjoint analysis to measure the importance of psychosocial traits in the choices of bladder management after spinal cord injury. *Neurourol Urodyn*, 2021 Aug; 40 (6): 1643-1650, DOI: 10.1002/nuu.24730
- Welk B, Reid J, Ordon M, Campbell J, Dixon S.** Do 5-alpha reductase inhibitors decrease the risk of recurrent gross hematuria in patients who have had a transurethral prostatectomy? *Can Urol Assoc J*, 2021 Jun; 15 (6): 214-216, DOI: 10.5489/cuaj.7135
- Welk B, Richard L.** Does COVID-19 infection change the need for future surgical interventions? An exploratory analysis. *F1000Res*, 2021 Jan; 10: 1167, DOI: 10.12688/f1000research.74861.1.
- Welk B, Richard L, Braschi E, Averbeck MA.** Is coronavirus disease 2019 associated with indicators of long-term bladder dysfunction? *Neurourol Urodyn*, 2021 Jun; 40 (5): 1200-1206, DOI: 10.1002/nuu.24682
- Welk B, Richard L, Rodriguez-Elizalde S.** The requirement for surgery and subsequent 30-day mortality in patients with COVID-19. *Can J Surg*, 2021 Apr 21; 64 (2): E246-E248, DOI: 10.1503/cjs.022020
- Welk B, Richardson K, Panicker JN.** The cognitive effect of anticholinergics for patients with overactive bladder. *Nat Rev Urol*, 2021 Nov; 18 (11): 686-700, DOI: 10.1038/s41585-021-00504-x
- Wilson CA, Chahine S, Davidson J, **Dave S, Sener A, Rasmussen A, Saklofske DH, Wang PZT.** Working Towards Competence: A Novel Application of Borderline Regression to a Task-Specific Checklist for Technical Skills in Novices. *J Surg Educ*, 2021 Nov; 78 (6): 2052-2062, DOI: 10.1016/j.jsurg.2021.05.004
- Yang DM, Alfano R, Bauman G, Thiessen JD, **Chin J, Pautler S, et al.** Short-duration dynamic [18F]DCFPyL PET and CT perfusion imaging to localize dominant intraprostatic lesions in prostate cancer: validation against digital histopathology and comparison to [18F]DCFPyL PET/MR at 120 minutes. *EJNMMI Res*. 2021 Oct 15; 11 (1): 107, DOI: 10.1186/s13550-021-00844-0
- Yang DM, Li F, Bauman G, **Chin J, Pautler S, et al.** Kinetic analysis of dominant intraprostatic lesion of prostate cancer using quantitative dynamic [18F]DCFPyL-PET: comparison to [18F]fluorocholine-PET. *EJNMMI Res*, 2021 Jan 4; 11 (1): 2, DOI: 10.1186/s13550-020-00735-w.
- Zeng G, Zhao Z, Mazzon G, Pearle M, Choong S, Skolarikos A, **Denstedt J, et al.** European Association of Urology Section of Urolithiasis and International Alliance of Urolithiasis Joint Consensus on Retrograde Intrarenal Surgery for the Management of Renal Stones. *Eur Urol Focus*, 2021 Nov 23, DOI: 10.1016/j.euf.2021.10.011
- Zeng G, Zhong W, Pearle M, Choong S, Chew B, Skolarikos A, Liatsikos E, Pal SK, Lahme S, Durutovic O, Farahat Y, Khadgi S, Desai M, Chi T, Smith D, Hoznek A, Papatsoris A, Desai J, Mazzon G, Somani B, Eisner B, Scoffone CM, Nguyen D, Ferretti S, Giusti G, Saltirov I, Maroccolo MV, Gökce MI, Straub M, Bernardo N, Lantin PL, Saulat S, Gamal W, **Denstedt J, Ye Z, Sarica K.** European Association of Urology Section of Urolithiasis and International Alliance of Urolithiasis Joint Consensus on Percutaneous Nephrolithotomy. *Eur Urol Focus*. Online ahead of print. 2021 Mar 16, DOI: 10.1016/j.euf.2021.03.008
- Zhang MY, Dugbartey GJ, Juriasingani S, **Sener A.** Hydrogen Sulfide Metabolite, Sodium Thiosulfate: Clinical Applications and Underlying Molecular Mechanisms. *Int J Mol Sci*, 2021 Jun 16; 22 (12), DOI: 10.3390/ijms22126452