



# What's New – July 26, 2019

## Update from Dr. Stoffel, NPR Division Chief

### Neuro-urology/Pelvic Reconstruction (NPR) Update:

We would like to thank the department for this opportunity to talk about NPR clinical scope, interests, and projects. Thank you in advance for reading.

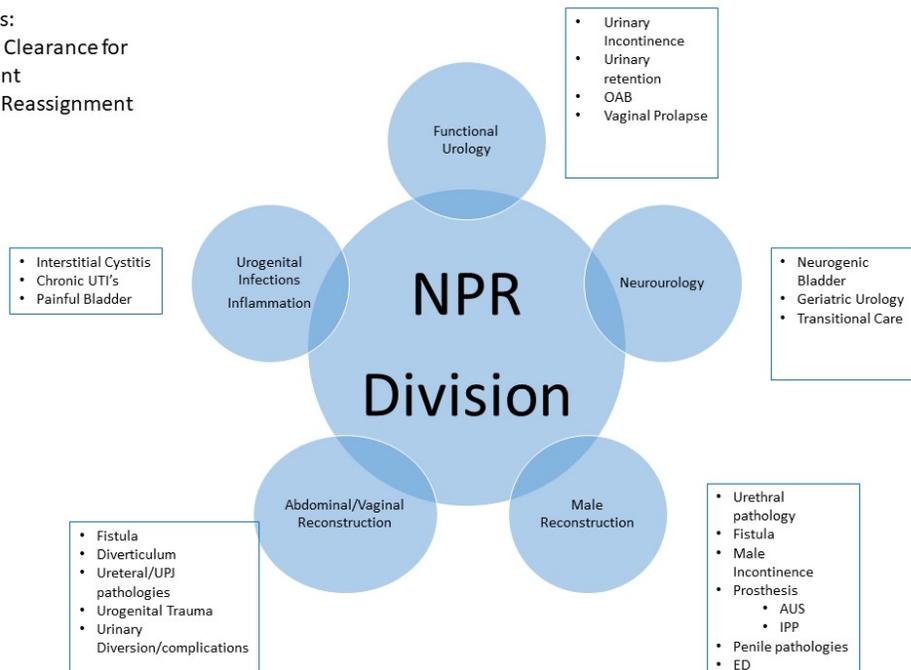
John Stoffel, MD

### “What does NPR do?”

Although NPR treats a broad spectrum of clinical pathologies, our focus is on understanding and treating problems associated with bladder storage/emptying, pelvic floor function, penile/urethral conditions, and injuries to the ureters and bladder. The division performs all aspects of reconstructive surgery, including prosthesis, for the genitourinary system in both males and females. Schematically, the below are our main areas of interest.

#### Associations:

- Urologic Clearance for Transplant
- Gender Reassignment



“Who is in the Division?”

NPR is one of the largest female urology/reconstructive division in the United States Our members include:

Sapan Ambani, MD (joint appointment with Endo)

Paholo Barboglio Romo, MD

Anne Cameron, MD

Quentin Clemens, MD – FPMRS Fellowship Director

Priyanka Gupta, MD

Bahaa Malaeb, MD

John Stoffel, MD – NPR Division Chief

Yooni Yi, MD (Fall 2019)

Gayle Adams, PA

Jessica Ball, PA

Janice Rushton, PA

The outstanding NPR nursing teams (TC, Livonia, Brighton)

Heather Holmes – Surgical Scheduler

Rachel Stout – Administrative Assistant



All division faculty are fellowship trained in either Female Pelvic Medicine/Reconstructive Surgery (FPMRS) or Genitourinary Reconstructive Surgery (GURS).

Philosophy/Vision:

It is our vision to be the primary destination regionally for patients needing care for complex voiding dysfunction, neurogenic bladder, and reconstructive surgery (male and female). We believe that a strong clinical investment supports the educational and research efforts of the division. While clinical activity provides a strong base, the educational and research gives direction motivational to push to field forward.



Clinical -2020

The division has a prominent regional presence in SE Michigan and receives referrals for complex problems primarily from Michigan, Ohio, and Northern Indiana.

Areas of focus for 2020 will be

- Grow our female urology practice, particularly in treatment of urinary incontinence. Under Dr Edward McGuire, NPR at Michigan pioneered the use of autologous tissue for the treatment of stress incontinence. NPR also was also among the first centers to provide comprehensive overactive bladder treatments through dedicated onabotulinum toxin and neuromodulation programs, as well as offering surgical reconstruction for refractory pathologies. The division continues to be a destination for patients with complex incontinence. To improve care, we continue to partner with Urogynecology to provide coordinated care for patients across the Michigan Medicine network.
- Grow our genitourinary prosthesis practice. In addition to offering artificial urinary sphincters and male slings to men suffering from stress urinary incontinence, Dr Malaeb is exploring the



use of adjustable implantable balloons (Pro-Act) to reduce urinary leakage. This novel treatment will potentially increase treatment options for men seeking care for this bothersome quality of life issue.

Additionally, the division is partnering with our Male/Andrology division to increase patient access to penile prosthesis for the treatment of ED. Patient education seminars are being planned throughout the state to educate patients about this procedure.

- Educate and treat more Neurogenic Bladder patient regarding management options for the neurogenic bladder. The NPR division has considerable expertise in offering patients an alternative to suprapubic tubes and intermittent catheterization per urethra. We are among the nation's leaders in urinary diversion, bladder augmentation, and continent stoma volume and have published extensively on our outcomes. Our hope is to identify and treat neurogenic bladder patients who have UTI's, urinary incontinence, and reduced ability to perform CIC. Through a comprehensive discussion of options, we hope to significantly increase the safety and quality of life for these patients.
- NPR is also focused on improving access by developing new offsite clinics in Brighton, West Ann Arbor/Chelsea. With this, we anticipate a significant movement of NPR's ambulatory OR procedures to move from the crowded UH OR's to the Brighton Ambulatory Surgical Center and the Chelsea Hospital ORs.

#### Educational 2020

- NPR is one of the few FPMRS fellowship training sites in the US and the division remains devoted to resident education. We currently have 2 fellows. In their own words below:



Alyssa Greiman:

She completed her medical school training at Northwestern University and her residency at the Medical University of South Carolina (under NPR's former fellow and current residency director,

Lindsey Cox). She is excited to be back in the midwest and is looking forward to seeing what real college football looks like.



Giulia Lane:

First, thanks to all the faculty & residents for a fruitful first year, the mentorship and collaboration in our department is inspiring! Last year I not only had an excellent clinical exposure, but I was able to start on several research projects. In my second year, I will complete the IHPI Masters in Health and Health Care Research as part of the T32 program. I hope to use this time to learn the skills and develop relationships to further my interest in shared decision making, especially how it applies to benign urology

- Development of a GURS fellowship. Drs Bahaa Malaeb and Yooni Yi are in the process of developing a curriculum for a GURS fellowship at the University of Michigan. This will be a 2 year fellowship, with a potential start date of FY2021.
- Surgical skill development. Anne Cameron, Priyanka Gupta, and Bahaa Malaeb have developed female and male cadaver labs to teach residents. These have been supported by educational grants and have been enthusiastically attended by residents/fellows from Michigan and around the region. Paholo Romo is also working with the departmental Associate Chair of Education to develop a basic surgical skills teaching platform to help residents quickly learn open and robotic surgical skill sets.
- Patient education. Lisa Mathias and the TC NPR nursing team are spearheading a patient advocate program for patients with continent stoma's and catheter needs. This should add significantly to the patient educational and pre-operative experience.
- NPR members have also been actively advancing urologic education on a national level. Division members have been part of the AUA Guideline work groups for Incontinence After Prostate Treatment, Chronic Urinary Tract Infections, and the soon to be published Neurogenic Bladder. Division members also regularly contribute to the AUA Resident Curriculum and as faculty to The AUA Lifelong Learning board review program.

Research 2020

- Several members of the division have received external funding (NIH, DoD, PCORI) for national collaborative studies regarding patients with interstitial cystitis, lower urinary tract symptoms, and neurogenic bladder.
- Collaborative research remains a priority and division members serve as PI or Col's in the LURN (<https://nih-lurn.org/>), MAPP ([www.mappnetwork.org/](http://www.mappnetwork.org/)), and NBRG ([www.NBRG.org](http://www.NBRG.org)) research networks. Please see websites for recent publications and projects.



- The division also participates in industry registries to provide both aftermarket safety data and to generate new research ideas. These include examining outcomes for bulking agents in stress incontinence (Cogentix), prosthesis durability (AMS), and neuromodulation efficacy (Medtronic).

Thank you for reading. Finally, we would like to invite anyone to come join our meetings and learn more about the division. NPR has weekly divisional meetings on Wednesday, 7am in the Urology Conference room. Please feel free to come by, learn more about our work, or to discuss some collaborative projects.