

DARYL JOHN MCLEOD, MD, MPH
Curriculum Vitae

Date Prepared: January 13, 2018

Title: Clinical Assistant Professor of Urology
Department of Surgery
Division of Urology
The Ohio State University College of Medicine

Principal Investigator
Center for Surgical Outcomes Research
Center for Innovation in Pediatric Practice
Nationwide Children's Hospital

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Citizenship: U.S.A.

EDUCATION

Undergraduate:	1998-2002	B.S.	Union College Schenectady, NY
Medical:	2003-2007	M.D.	Albany Medical College Albany, NY
Graduate:	2013-2014	M.P.H.	The Ohio State University Columbus, OH

POSTDOCTORAL TRAINING

Internship:	2007-2008	Intern in General Surgery
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		Mount Sinai Hospital New York, NY
Residency:	2008-2012	Resident in Urology Mount Sinai Hospital New York, NY
Fellowship:	2012-2013	Fellow in Pediatric Urology Nationwide Children's Hospital Columbus, OH
Research Fellowship:	2013-2014	Fellow in Pediatric Urology Nationwide Children's Hospital Columbus, OH

HONORS

COLLEGE PUBLIC HEALTH

Elected Delta Omega honorary public health society for scholastic excellence

MEDICAL SCHOOL

Honors - Endocrine/Reproduction/Introduction to Metabolism
 Honors - Disease and Defense
 Honors - Introduction to Oncology
 Honors - Psychobiology and Behavioral Pathology
 Honors - Pediatric Urology
 Deans' recognition of scholastic excellence

LICENSURE

USMLE STEP 1-242 (Pass), 2005
 USMLE STEP 2-CK 237 (Pass), 2007
 USMLE STEP 2-CS (Pass), 2007
 USMLE STEP 3-227 (Pass), 2008
 American Board of Urology Certification Exam Part 1 (Pass), 2012
 American Board of Urology Certification Exam Part 2 (Pass), 2016
 American Board of Urology Pediatric Subspecialty Certification Exam (Pass), 2017

Ohio Medical License 35.099258
 Expires 07/01/2018

PROFESSIONAL ORGANIZATIONS

2012-present: Society of Pediatric Urology
2008-present: American Urologic Association
2010-present: Peer Reviewer: Urology Gold Journal
2014-present: Peer Reviewer: The Journal of Urology
2015-present: Nationwide Children's Hospital Health Literacy Task Force
2015-present: Nationwide Children's Hospital Pediatric Urology Fellowship Program Evaluation Committee (PEC)
2017-present: Pediatric Urology Midwestern Alliance (PUMA)
2017-present: American Association of Pediatric Urologists (AAPU)
2017-present: Faculty Reviewer: OSU Medical School MDSR research scholarship

ACADEMIC APPOINTMENTS

Laboratory Research Technician (2002-2003)

Breast Cancer prevention and treatment- mouse kidney capsule xenograft surgery with autopsy, rat breast cancer induction, medical treatment, surgical treatment, autopsy, novel peptide synthesis with HPLC and bioassay analysis

Albany Medical College

Albany, NY

Clinical Instructor of Urology (7/01/2014- 5/04/2015)

Nationwide Children's Hospital Section of Pediatric Urology:

Academic appointment through The Ohio State University

Columbus, OH

Clinical Assistant Professor of Urology (5/05/2015- present)

Nationwide Children's Hospital Section of Pediatric Urology:

Academic appointment through The Ohio State University

Columbus, OH

Principal Investigator (7/01/2014-present)

Centers for Surgical Outcomes Research and Innovation in Pediatric Practice

Nationwide Children's Hospital

Columbus, OH

PUBLICATIONS

1. DeFreest LA, Mesfin FB, Joseph L, **McLeod DJ**, Stallmer A, Reddy S, Balulad SS, Jacobson HI, Andersen TT, Bennett JA. Synthetic peptide derived from alpha-fetoprotein inhibits growth of human breast cancer: Investigation of the pharmacophore and synthesis optimization. *J Pept Res*, Vol 63, No 5, pp.409-419, May 2004, PMID:15140158.
2. Perrotti M, Badger W, **McLeod DJ**, Prater S, Moran M. Does laparoscopy beget underuse of partialnephrectomy for T1 renal masses? Competing treatment decision pathways may influence utilization. *J Endourol*, Vol 21, No 10, pp.1223-1228, October 2007, PMID:17949330.

3. Perrotti M, Doyle T, Kumar P, **McLeod DJ**, Badger W, Prater S, Moran M, Rosenberg S, Bonatsos C, Kreitner C, Kiehl R, Chang T, Kolodziej M. Phase I/II trial of docetaxel and concurrent radiation therapy in localized high risk prostate cancer (AGUSG 03-10). *Urol Oncol: Seminars and Original Investigations*, Vol 26, No 3, pp.276-280, May-June 2008, PMID:18452819.
4. Akhavan A, Brajtbord J, **McLeod DJ**, Kabarriti A, Rosenberg H, Stock J. Simple age-based formulas for predicting kidney length in children. *Urology*, Vol 78, No 2, pp.405-410, August 2011, PMID: 21459422.
5. Coutinho K, **McLeod DJ**, Stensland K, Stock J. Variations in the management of asymptomatic adolescent grade 2 or 3 left varicoceles: A survey of practitioners. *J Pediatr Urol*, Vol 10, No 3, pp.430-434, June 2014, PMID: 24355930.
6. **McLeod DJ**, Alpert SA, Jayanthi VR. Ureteroureterostomy irrespective of ureteral size or upper pole function: A single center experience. *J Pediatr Urol*, Vol 10, No 4, pp.616-619, August 2014, PMID: 24947344.
7. **McLeod DJ**, Alpert SA. Double-V scrotoplasty for repair of congenital penoscrotal webbing: A scar-free technique. *J Pediatr Urol*, Vol 10, No 5, pp.810-814, October 2014, PMID: 24572216.
8. **McLeod DJ**, Asti L, Mahida JB, Deans KJ, Minneci PC. Preoperative risk assessment in children undergoing major urologic surgery. *J Pediatr Urol*, Vol 12, No1, pp. 26e1-7, February 2016, PMID: 26683111.
9. Mahida JB, Cooper JN, Herz D, Diefenbach KA, Deans KJ, Minneci PC, **McLeod DJ**. Utilization and costs associated with robotic surgery in children. *J Surg Res*, Vol 199, No 1, pp.169-76, November 2015, PMID: 26013442.
10. Gordon ZN, **McLeod DJ**, Becknell B, Bates DG, Alpert SA. Uroepithelial Thickening On Sonography Improves Detection Of High-Grade Vesicoureteral Reflux In Children 2-24 Months Presenting With First Febrile Urinary Tract Infection. *J Urol*, Vol 194, No 4, pp. 1074-9, October 2015, PMID: 25963184.
11. Herz D, Smith J, **McLeod DJ**, Schober M, Preece J, Merguerian P. Robot-Assisted Laparoscopic Management of Duplex Renal Anomaly: Comparable Surgical Outcomes to Traditional Pure Laparoscopic and Open Surgery. *J Pediatr Urol*, Vol 12, No 1, pp. 44.e1-7, February 2016, PMID: 26443241.
12. Preece J, Prasad V, **McLeod DJ**. Pediatric Xanthogranulomatous Cystitis: The First Described Case in a Pre-Pubertal Male and Review of the Literature. *Pediatr Dev Pathol*. Vol 20, No 4, pp. 330-334, July-August 2017, PMID: 28727973.

13. Herz D, DaJusta D, Ching C, **McLeod DJ**. Segmental arterial mapping during pediatric robot-assisted laparoscopic heminephrectomy: A descriptive series. *J Pediatr Uro*. Vol 12, No 4, pp.266.e1-6. August 2016. PMID: 27321559.

14. Lodwick DL, Cooper JN, Minneci PC, Deans KJ, **McLeod DJ**. Factors affecting pediatric patient transfer in testicular torsion. *J Surg Res*. Vol 203, pp. 40-46, May 2016. PMID: 27338533.

15. Gordon ZN, **McLeod DJ**, Becknell B, Bates DG, Alpert SA. Uroepithelial Thickening Improves Detection of Vesicoureteral Reflux in Infants with Prenatal Hydronephrosis. *J Pediatr Uro*. Vol 12, No 4, pp.257.e1-7. August 2016. PMID: 27342956.

16. Herz D, Fuchs M, Todd A, **McLeod DJ**, Smith J. Robot-assisted laparoscopic extravesical ureteral reimplant: A critical look at surgical outcomes. *J Pediatr Uro*. Vol 12, No 6, pp.402.e1-9. December 2016. PMID: 27522319.

17. Lodwick DL, Asti L, Deans KJ, Minneci PC, **McLeod DJ**. Variation in practice patterns for the management of newborn spina bifida in the United States. *Urology*. Vol 100, pp.207-212. February 2017. PMID: 27516120.

18. Preece J, Asti L, Ambeba E, **McLeod DJ**. Perioperative Transfusion Risk in Classic Bladder Exstrophy Closure: Results from a National Database Review. *J Pediatr Uro*. Vol 12, No 1, pp. e1-7, August 2016. PMID: 27282549.

19. Preece J, Ching C, Yackey K, Jayanthi V, **McLeod DJ**, Alpert S, DaJusta D. Indicators and outcomes of transfer to tertiary pediatric hospitals for patients with testicular torsion. *J Pediatr Uro*. Vol 13, No 4, pp.388.e1-6. April 2017. PMID: 28527721.

20. Jayanthi VR, Ching CB, DaJusta DG, **McLeod DJ**, Alpert SA. The modified Ulaanbaatar procedure: Reduced complications and enhanced cosmetic outcome for the most severe cases of hypospadias. *J Pediatr Uro*. Vol 13, No 4, pp.353.e1-353.e7, August 2017. PMID: 28630018.

21. Whitaker EE, DaJusta DG, Alpert SA, Ching CB, **McLeod DJ**, Jayanthi VR. Spinal anesthesia for pediatric urological surgery: reducing the theoretical neurotoxic effects of general anesthesia. *J Pediatr Uro*. Vol 13, No 4, pp.396-400. August 2017. PMID: 28818338.

22. Gonzalez DO, Cooper JN, Minneci PC, Deans KJ, **McLeod DJ**. Reducing the number of anesthetic exposures in the early years of life: circumcision and myringotomy as an example. *Clin Pediatr*. Vol 57, No 3, pp.335-340. March 2017. PMID: 28825307.

23. Gonzalez DO, Cooper JN, **McLeod DJ**. Effect of bladder reconstruction on VP shunt failure rates in spina bifida. *J Pediatr Rehabil Med*. Vol 10, No 3-4, pp.249-255. December 2017. PMID: 29125513.

24. Fuchs ME, Beecroft N, DaJusta DG, **McLeod DJ**. The association between BXO and obesity in boys undergoing circumcision. *Glob Pediatr Health*. November 2017. [eCollection 2017] PMID: 29204461.
25. Cooper JN, Chisolm DJ, **McLeod DJ**. Sociodemographic characteristics, health literacy and care compliance in families with Spina Bifida. *Glob Pediatr Health*. December 2017. [eCollection 2017] PMID: 29238738.
26. Fuchs ME, Beecroft N, DaJusta DG, **McLeod DJ**. Is delayed phase CT imaging necessary after blunt renal trauma in children? *Urology*. November 2017. [Epub ahead of print] PMID: 29174941.
27. **McLeod DJ**. Re: Is delayed phase CT imaging necessary after blunt renal trauma in children? Reply to Letter-to-the-Editor (Invited). *Urology*. Accepted February 2018.
28. Gupta S, Jackson AR, DaJusta DG, **McLeod DJ**, Alpert SA, Jayanthi VR, McHugh K, Schwaderer AR, Becknell B, Ching CB. Urinary antimicrobial peptides are novel biomarkers of obstructive uropathy. *J Ped Urol*. Accepted March 2018.

Book Chapters

1. **McLeod D**, Perrotti M, Metastatic Risk Assessment in Nonseminomatous Germ Cell Testicular Cancer. Chapter in: *New Research in Testicular Cancer*. Nova Science, NY. 2007.

PRESENTATIONS

1. **McLeod DJ**. Incidence of ciprofloxacin resistance in post trans-rectal prostate needle biopsy prostatitis. Podium presentation at the 107th Annual Section Meeting of the New York Chapter's American Urological Association Valentine Essay Contest. 2009.
2. Akhavan A, Brajtbord J, **McLeod DJ**, Kabarriti A, Rosenberg H, Stock J. Simple age-based formulas for predicting kidney length in children. Poster presentation at the 106th Annual Meeting of the American Urological Association. Washington, DC. May 14-19, 2011.
3. **McLeod DJ**, Stock JA. Stock Variations in the management of asymptomatic adolescent grade 2 or 3 left Varicoceles: A survey of practitioners. Podium presentation at the American Academy of Pediatrics. Boston, MA. October 15-18, 2011.
4. **McLeod DJ**, Alpert SA. Double-V scrotoplasty for correction of congenital penoscrotal webbing: 100 cases and counting. Moderated poster presentation at the Society for Pediatric Urology. San Diego, CA. May 3-5, 2013.

5. Singh C, **McLeod DJ**, Baxter CG, Alpert SA, Jayanthi VR. Lower urinary tract reconstruction with concomitant cecostomy button for antegrade enema. Moderated poster presentation at the American Urological Association. San Diego, CA. May 4-8, 2013.
6. **McLeod DJ**, Alpert S, Jayanthi V. Ureteroureterostomy irrespective of ureteral size or upper pole function: A single center experience. Poster presentation at the Society for Pediatric Urology. Las Vegas, NV. September 20-22, 2013.
7. Gordon ZN, **McLeod DJ**, Bates G, Becknell B, Alpert SA. Uroepithelial thickening on sonography after UTI predicts high-grade vesicoureteral reflux in children less than 24 months. Podium presentation at the Society for Pediatric Urology. Miami Beach, FL. October 24-26, 2014.
8. Mahida JB, Cooper JN, Herz D, Diefenbach KA, Deans KJ, Minneci PC, **McLeod DJ**. Analysis of trends associated with robotic-assisted surgery in free standing children's hospitals. Podium presentation at the Academic Surgical Congress. Las Vegas, NV. February 3-4, 2015.
9. **McLeod DJ**, Asti L, Preece J. Perioperative transfusion risk in classic bladder exstrophy closure: Results from a national database review. Poster presentation at the 26th European Society for Pediatric Urology Congress. Prague, Czech Republic. October 14-17,2015
10. Gordon Z, Alpert S, Herz D, Ching C, Becknell B, Bates G, **McLeod DJ**. Uroepithelial Thickening Improves Detection of Vesicoureteral Reflux in Infants with Prenatal Hydronephrosis. Poster presentation at the 26th European Society for Pediatric Urology Congress. Prague, Czech Republic. October 14-17,2015
11. Ching C, Herz D, Dajusta D, **McLeod DJ**, Schober M. Selective Arterial Mapping Using Near Infrared Fluorescence Imaging in Pediatric Robot-Assisted Laparoscopic Heminephrectomy. Moderated poster presentation at the 26th European Society for Pediatric Urology Congress. Prague, Czech Republic. October 14-17,2015
12. Lodwick DL, Cooper JN, Deans KJ, Minneci PC, **McLeod DJ**. Institutional and Patient Factors Affecting Pediatric Patient Transfer in Testicular Torsion. Podium Presentation at 11th Annual Academic Surgical Congress. Jacksonville Florida. February 2-4, 2016.
13. Preece J, Asti L, **McLeod DJ**. Classic Bladder Exstrophy and the Risk of Blood Transfusion. Podium Presentation at the Society of Women in Urology Annual Meeting. Scottsdale Arizona. January 22-24, 2016.
14. Aldrink JH, Cost NG, **McLeod DJ**, Bates GD, Smith E, Ehrlich PF. Technical Considerations for Nephron Sparing Surgery in Children Pre-treated with Chemotherapy. What is really needed to Preserve Renal Units? Podium Presentation at 48th Congress of the International Society of Paediatric Oncology. Dublin Ireland. October 19-22, 2016.

15. DaJusta DG, **McLeod DJ**, Fuchs M. Increased incidence of balanitis xerotica obliterans in the obese pediatric male. Podium Presentation at the Society for Pediatric Urology. Dallas Texas. September 9-11, 2016.
16. Jayanthi VR, Ching CB, DaJusta DG, **McLeod DJ**, Alpert SA. The modified Ulaanbaatar procedure: reduced complications and enhanced cosmetic outcome for the most severe cases of hypospadias. Podium Presentation at the Society for Pediatric Urology. Dallas Texas. September 9-11, 2016.
17. Gupta S, Preece J, Li R, Fuchs M, Alpert S, DaJusta D, **McLeod DJ**, Jayanthi VR, Becknell B, Ching C. Urinary Antimicrobial Peptides are Novel Biomarkers of Obstructive Uropathy. Moderated Poster Presentation at the Society for Pediatric Urology. Dallas Texas. September 9-11, 2016.
18. Whitaker EE, DaJusta DG, Alpert SA, Ching CB, **McLeod DJ**, Jayanthi VR. Spinal anesthesia for pediatric urological surgery: reducing the theoretical neurotoxic effects of general anesthesia. Podium Presentation at the Society for Pediatric Urology. Dallas Texas. September 9-11, 2016. **[Best Clinical Abstract Awarded]**
19. Rosenstein T, Voruganti R, Chisolm D, Berry J, Rakowsky A, **McLeod DJ**, Sarkar M, Abrams MA. Advancing as a Health Literate Healthcare Organization through Use of the EnLiven Organizational Health Literacy Self-assessment Resource. Poster Presentation at 8th Annual Health Literacy Research Conference. Bethesda, Maryland. October 13-14, 2016.
20. Whitaker E, Bhalla T, Martin D, Schloss B, Jayanthi R, **McLeod DJ**, Williams R, Tobias J. Spinal anesthesia as an alternative to general anesthesia for pediatric urological surgery: reducing the potential for developmental neurotoxicity. Podium Presentation at the American Society of Anesthesiologists annual meeting, Chicago, IL, October 22-26, 2016.
21. Gonzalez D, Cooper J, **McLeod DJ**. Effect of bladder reconstruction on VP shunt failure rates in spina bifida. Moderated Poster Presentation at the World Congress of Spina Bifida. San Diego, California. March 16-19, 2017.
22. Gonzalez D, Cooper J, Baxter C, **McLeod DJ**. Sociodemographic characteristics, health literacy and care compliance in families with Spina Bifida. Podium Presentation at the World Congress of Spina Bifida. San Diego, California. March 16-19, 2017.
23. Fuchs ME, Brown C, Dajusta DG, **McLeod DJ**, Jayanthi VR, Alpert SA, Ching CB. Intra-operative Botox® reduces post-operative narcotic requirements after bladder reconstruction: an initial experience. Moderated poster at The American Urologic Association/Society of Pediatric Urology annual meeting. Boston, Massachusetts. May 12-16, 2017.
24. Szymanski KM, Fuchs M, **McLeod DJ**, Rosoklija I, Strine AC, VanderBrink B, Whittam B, Yerkes E, Gargollo P. Bladder augmentation, diversion and clean intermittent catheterization in

classic bladder exstrophy: a 36-year multi-institutional retrospective cohort study. Podium Presentation at the Society for Pediatric Urology. Montreal, Canada. September 8-10, 2017. **[Best Clinical Abstract Awarded]**

25. Whitaker EE, Suozzi CJ, Alpert SA, Ching CB, DaJusta DJ, **McLeod DJ**, Jayanthi, VR. Outcomes After Awake Spinal Anesthesia Vs. General Anesthesia With Caudal Block For Urologic Surgery In Infants. Podium Presentation at the Society for Pediatric Urology. Montreal, Canada. September 8-10, 2017
26. **McLeod DJ**, Szymanski K, Fuchs M, Gargollo P, Gong E, Granberg C, Reddy P, Sebastiao Y, Whittam B, VanderBrink B. Renal Replacement Therapy and Clean Intermittent Catheterization in Posterior Urethral Valves: A 20-year Multi-Institutional Retrospective Cohort Study. Podium Presentation at The American Urologic Association/Society of Pediatric Urology annual meeting. San Francisco, California. May 18-20, 2018. **[Best Clinical Abstract Nomination]**
27. Fuchs M, Sebastiao Y, **McLeod DJ**, Brown C, Zann A, Dajusta D. Rates of Bladder Augmentation in Myelomeningocele Has Remained Stable Over Two Decades Despite Perceived Efforts For More Selective Surgical Indication. Podium Presentation at The American Urologic Association/Society of Pediatric Urology annual meeting. San Francisco, California. May 18-20, 2018.
28. Brown C, Sebastiao Y, **McLeod DJ**. Trends in Surgical Management of Multicystic Dysplastic Kidney at U.S. Children's Hospitals. Poster Presentation at The American Urologic Association/Society of Pediatric Urology annual meeting. San Francisco, California. May 18-20, 2018.
29. Brown C, **McLeod DJ**, Zann A, Sebastiao Y, DaJusta D. National Utilization of Laparoscopy and Robotics in Pediatric Retroperitoneal Lymph Node Dissection for Patients with Testicular or Paratesticular Cancers. Podium presentation at North American Robotic Urologic Symposium (NARUS) annual meeting. Las Vegas, Nevada. February 16-17, 2018.

INVITED PANALIST/MODERATOR

1. **McLeod DJ**. The future of clinical research: Breaking down silos with informatics and collaboration. International Pediatric Colorectal Motility and Pelvic Reconstruction Conference. Nationwide Children's Hospital. Columbus, OH. November 14, 2014.
2. **McLeod DJ**. Developing a research career as a junior faculty: Advice and Pitfalls. International Pediatric Colorectal Motility and Pelvic Reconstruction Conference. Nationwide Children's Hospital. Columbus, OH. November 11, 2016.

UNPUBLISHED SCHOLARLY PRESENTATIONS

1. **McLeod DJ.** Differences in Sexual Development. Grand Rounds presentation at The Ohio State University Department of Urology. Columbus, OH. June 23, 2016.
2. **McLeod DJ.** Targeting Health Literacy in High Risk Patients with Spina Bifida. Health Literacy Hero Talk at Nationwide Children's Hospital Health Literacy Task Force monthly meeting. Columbus, OH. October 18, 2016.
3. **McLeod DJ.** Targeting Health Literacy in High Risk Patients with Spina Bifida. Nephrology/ Urology Joint Research Meeting (NURAG). Nationwide Children's Hospital. Columbus, OH. November 2, 2016.
4. **McLeod DJ.** Management of common urologic concerns and when to refer. Mary Rutan Educational Conference. Bellefontaine, OH. November 10, 2016.
5. **McLeod DJ.** Pediatric Hematuria: It's NOT Cancer. Grand Rounds presentation at The Ohio State University Department of Urology. Columbus, OH. June 22, 2017.
6. **McLeod DJ.** Renal Infection, Abscess, VUR, Urinary Lithiasis and Renal Vein Thrombosis. Pediatric Surgery PST Conference. Nationwide Children's Hospital. Columbus, OH. September 20, 2017.
7. **McLeod DJ.** Urologic Trauma in the Pediatric Patient. Grand Rounds presentation at The Ohio State University Department of Urology. Columbus, OH. October 26, 2017
8. **McLeod DJ.** Obstructive Uropathy and Renal Decline; from prediction to intervention. Nephrology/ Urology Joint Research Meeting (NURAG). Nationwide Children's Hospital. Columbus, OH. December 6, 2017.
9. **McLeod DJ.** Management of common urologic concerns and when to refer. Urgent Care Educational Conference. Nationwide Children's Hospital. Columbus, OH. January 10, 2018.

Clinical Guidelines

1. Evaluation and Treatment of Cryptorchidism: AUA Guideline 2014, Peer Reviewer.

RADIO

1. **McLeod DJ.** "Health Literacy". PediaCast CME. Nationwide Children's Hospital. Columbus, OH. Sep 21, 2016.