

2014 Research Annual Report

Pediatric and Adolescent Gynecology



Division Summary

RESEARCH AND TRAINING DETAILS

Number of Faculty	3
Number of Support Personnel	2
Peer Reviewed Publications	5

CLINICAL ACTIVITIES AND TRAINING

Number of Clinical Staff	11
Number of Staff Physicians	1
Number of Clinical Fellows	2
Number of Other Students	25
Inpatient Encounters	23
Outpatient Encounters	4,724

Division Photo



L to R: G Trotman, L Breech, B Schwartz

Significant Accomplishments

New staff expands clinical access

This year we welcomed two new faculty members to expand our practice; **Beth Schwartz, MD**, and **Gylynthia Trotman, MD**. Under the leadership of **Lesley Breech, MD**, Division Director, we further improved access for our patients and families by adding nearly 10 percent more clinic visits at outpatient locations in Northern Kentucky and Green Township. We also increased the number of surgeries performed by more than 20 percent compared to last year.

Chronic Care Program Improves

We continued to improve the diagnosis and treatment of heavy menstrual bleeding through our work in the Chronic Care and Outcomes program. We improved management of sexually transmitted infections with a project initiated by the Rapid Cycle Improvement Collaborative. We also continued to preserve future fertility in children, adolescents and young women treated for malignancies. Our progress in these areas and in other important research initiatives was presented at the 2014 North American Society of Pediatric and Adolescent Gynecology (NASPAG) Annual Clinical and Research Meeting. Notably, the Cincinnati Children's team made more presentations than any other pediatric adolescent gynecology program in North America.

Building the Oncofertility Program

Our Division collaborated with the Division of Hematology/Oncology to build the Oncofertility Program at Cincinnati Children's. This program focuses on protecting future fertility for patients being treated with chemotherapy or radiation. We also are enrolling patients in an Ovarian Tissue Cryopreservation project launched in conjunction with the Oncofertility Consortium through Northwestern University.

Educational Successes

Our mission to train and educate the next generation of specialists in Pediatric and Adolescent Gynecology continued this year with the graduation of two remarkable clinical fellows; Laura Kruger, MD, and **Beth Schwartz, MD**, who has joined our faculty.

Significant Publications

Bischoff A, Levitt MA, **Breech L**, Pena A. **Covered cloacal exstrophy--a poorly recognized condition: hints for a correct diagnosis.** *J Pediatr Surg.* 2013;48(12):2389-92.

This publication is significant as surgeons historically made important surgical decisions during infancy, thus causing a negative impact in childhood and adolescence. By raising awareness of the complexities of this condition, our multidisciplinary team hopes to improve long-term outcomes in this population.

Division Publications

1. Ayensu-Coker L, Essig E, Breech LL, Lindheim S. **Ethical quandaries in gamete-embryo cryopreservation related to oncofertility.** *J Law Med Ethics.* 2013; 41:711-9.
2. Bischoff A, Levitt MA, Breech L, Pena A. **Covered cloacal exstrophy--a poorly recognized condition: hints for a correct diagnosis.** *J Pediatr Surg.* 2013; 48:2389-92.
3. Breech L, Weber A. **Pediatric and Adolescent Gynecology.** In: MM Ziegler, RG Azizkhan, TR Weber, eds. *Operative pediatric surgery.* New York: McGraw-Hill; 2014:880-898.
4. Chuang J, Vallerie A, Breech L, Saal HM, Alam S, Crawford P, Rutter MM. (2013) **Complexities of gender assignment in 17beta-hydroxysteroid dehydrogenase type 3 deficiency: is there a role for early orchiectomy?** *Int J Pediatr Endocrinol.* 2013:15.
5. King A, Keswani S, Biesiada J, Breech L, Crombleholme T, Huppert J. **The utility of a composite index for the evaluation of ovarian torsion.** *Eur J Pediatr Surg.* 2014; 24:136-40.

Faculty, Staff, and Trainees

Faculty Members

Lesley Breech, MD, Associate Professor

Leadership Division Director, Pediatric & Adolescent Gynecology

Research Interests Long term reproductive outcomes of girls and young women undergoing reconstructive pelvic surgery.

Leslie Ayensu-Coker, MD, Assistant Professor

Leadership Fellowship Program Director

Research Interests Preservation of reproductive potential in girls and adolescent young women, with a special emphasis on females with chronic medical conditions or treatment for pediatric malignancies.

Beth Schwartz, MD, Instructor

Leadership Director of Resident Education

Research Interests Intrauterine devices in adolescents and special needs populations; diagnosis of ovarian torsion; management of heavy menstrual bleeding

Clinical Staff Members

- **Lisa Reebals, APRN**

Trainees

- **Laura Kruger, MD**, PGY-6, University of Arkansas for Medical Sciences College of Medicine, Little Rock, AR
- **Serena Chan, MD**, PGY-5, University of Pittsburgh School of Medicine, Pittsburgh, PA

Division Collaboration

Continued involvement in CCO and quarterly progress on Menorrhagia and Oncofertility projects. (Lesley Breech, MD, Deborah Morse, RN, Olivia Jaworek, RN)

James M. Anderson Center for Health Systems Excellence » John Barth and Mary Anne Lenk

Completion of Rapid Cycle Improvement Collaborative (RCIC) project title: "Reducing the spread and progression of sexually transmitted infections through timely notification and confirmed follow up for positive results" (Lesley Breech, MD, Serena Chan, MD, Jennifer Chirumbolo McKee, RN, Brittany Marschman, MA, Jennifer Russo, RN, Alainna Walley, RN and RCIC Team Leader and Scott Byington, Business Director)

James M. Anderson Center for Health Systems Excellence » John Barth and Mary Anne Lenk

Continued analysis of ovarian torsion data and preparation of publication. (Beth Schwartz, MD)

Emergency Medicine » Jennifer L. Reed, MD

Clinical collaboration within Disorders of Sexual Development (DSD) program. (Lesley Breech, MD, Leslie Ayensu-Coker, MD)

Endocrinology » Meilan M. Rutter, MD

Human Genetics » Robert J. Hopkin, MD and Howard M. Saal, MD, FACMG

Pediatric Urology » Shumyle Alam, MD, Pramod P. Reddy, MD, and Brian A. Vanderbrink, MD

Preparation and publication of case report: Complexities of gender assignment in 17 β -hydroxysteroid dehydrogenase type 3 deficiency: is there a role for early orchiectomy? (Lesley Breech, MD).

Chuang, J., Vallerie, A., Breech, L., Saal, H. M., Alam, S., Crawford, P., & Rutter, M. M (2013) "Complexities of gender assignment in 17beta-hydroxysteroid dehydrogenase type 3 deficiency: is there a role for early orchiectomy?" *Int J Pediatr Endocrinol* **2013**

Endocrinology » Meilan M. Rutter, MD

Pediatric Urology » Shumyle Alam, MD

Human Genetics » Howard M. Saal, MD, FACMG

Clinical care, QI work with young women within Bleeding Disorders Program (Lesley Breech, MD)

Cancer and Blood Diseases Institute (CBDI); Division of Hematology » Eric Mullins, MD and Cristina Tarango, MD

Program development, clinical care for Oncofertility Program (Lesley Breech, MD, Leslie Ayensu-Coker, Olivia Jaworek, RN)

Cancer and Blood Diseases Institute (CBDI); Division of Oncology » Karen C. Burns, MD, MS and Christine L. Phillips, MD

Review of clinical cases, discussion of management algorithms and exploration of scholarly activities, including the Ovarian Tumors Workgroup. (Lesley Breech, MD, Leslie Ayensu-Coker, MD)

Cancer and Blood Diseases Institute (CBDI); Division of Oncology » James I. Geller, MD

Pediatric General and Thoracic Surgery » Daniel von Allmen, MD and A. Roshni Dasgupta, MD, MPH

Radiology and Medical Imaging » Alexander J. Towbin, MD and Andrew T. Trout, MD

Clinical care, research, and teaching in national and international venues in Colorectal Center for Children. (Lesley Breech, MD)

Pediatric General and Thoracic Surgery; » Alberto Peña, MD, Jason S. Frischer, MD, Belinda Hsi Dickie, MD, PhD, Marc A. Levitt, MD, and Andrea Bischoff, MD

Pediatric Urology » Pramod P. Reddy, MD, Shumyle Alam, MD, and Brian A. Vanderbrink, MD

Gynecologic reproductive clinical care in Surgical Weight Loss Program for Teens. (Lesley Breech, MD)

Pediatric General and Thoracic Surgery » Thomas H. Inge, MD, PhD, FACS, FAAP