



## Pediatric Surgery Research News

Discovering Evidence-based Research for Practice Tomorrow  
Cat Goodhue, Clinical Nurse Research Administrator



Good morning.

Welcome to the quarterly Pediatric Surgery Clinical Research Update. As a Division, we have had another productive Quarter. We have published over 8 manuscripts and presented over 17 abstracts and 6 invited presentations in the past 3 months. Supported by our Senior Faculty, our Research Fellows were the primary author for all 8 manuscripts. Below please find our most recent accomplishments of which we must all be proud.

### Papers in Press and Recent Publication

[Guner YS, Malhotra A, Ford HR, Stein JE, Kelly L.](#) Association of Escherichia Coli (O157:H7) with Necrotizing Enterocolitis in a Full-term Infant. *Pediatr Surg Int* 2009, 25(5):459-63

[Ochoa C, Wang J, Stephenson L, Steinhauer S, Zhang X, Grishin A, Upperman JS.](#) Peroxynitrite-induced p38 mark proapoptotic signaling in enterocytes. *Biochemical and Biophysical Research Communications.* (in press).

Petrosyan M, Estrada JJ, Hunter C, Woo R, Stein J, Ford HR, Anselmo DM. Esophageal atresia/tracheoesophageal fistula in very low birth weight neonates: Improved outcomes with staged repair. *J Pediatric Surg* (in press).

[Petrosyan M, Estrada JJ, Chan S, Rosen H, Burne TV, Mason RJ.](#) Natural progression of biochemical markers of biliary tract obstruction in patients with gallstone pancreatitis. *Gastroenterol Res Pract* 2009 (in press).

Petrosyan M, Guner Y, Emami C, Ford HR. Disparities in the delivery of pediatric trauma care. *J Trauma* (in press).

Petrosyan M, Estrada JJ, Rosen H, Giuliani S, Mason R. Gastric perforation and pancreatitis manifesting after Nissen fundoplication in a patient with inadvertent superior mesenteric artery syndrome. *Case Reports in Medicine* (in press).

[Petrosyan M, Guner Y, Williams M, Grishin A, Ford HR.](#) Necrotizing enterocolitis: Complex of inflammatory disorder. *Pediatr Surg Int.* 2009, 25(4):309-18.

Tai, CC, Sala FG, Ford HR, Wang KS, Minoo P, Grikscheit TC, Bellusci S. Wnt5a knock-out mouse as a new model of anorectal malformation. *Journal of Surgical Research* (in press).

### Meeting Highlights (abstracts)

[Society of Black Academic Surgeons, April 2-4, 2009; Seattle](#)

Jackson SR, Ford HR, Warburton D, Driscoll B. Attenuated compensatory growth response of telomerase null mice following partial pneumonectomy.

Matthews JA, Grikscheit TC, Sala FG. Identification and maintenance of organoids in Matrigel for tissue

engineered intestine in patients requiring delayed implantation (selected as Best Poster)

Vendryes C, Burke RV, Upperman JS. Personal and institutional barriers to willingness to respond among general surgeons.

Williams ML, Bell BA, Adams EA, Petrosyan M, Guner Y, Chokshi N, Grishin AV, Ford HR. Inactivated *Enterobacter sakazakii* do not induce IEC-6 enterocyte apoptosis.

[Pacific Association of Pediatric Surgeons, May 10-14, 2009; Hong Kong](#)

Guner Y, Garrett D, Guiliano S, Shin C, Ford HR, Nguyen NX. Single Incision Laparoscopic Cholecystectomy in Children

Guner Y, Austin M, Wee CP, Dorey F, Ford HR, Stein JE. ECMO Complications and Associated Risk of Mortality in Neonates With Congenital Diaphragmatic Hernia (CDH)

Kawaguchi A, Shaul DB. Inguinal hernias can be accurately diagnosed using the parent's digital photographs when the physical examination is nondiagnostic.

Petrosyan M, Estrada J, Hunter C, Woo R, Stein J, Ford HR, Anselmo D. Tracheoesophageal Fistula/ Esophageal Atresia in Very Low Birth Weight Neonates: Improved Outcomes With Staged Repair

Tai CC, Magdo HS, Matthews JA, Connelly ME, Weinstein JE, Harrison EA, Ford HR, Hardy BE, De Filippo RE, Shaul DB. The challenge of cloacal exstrophy remains: A single institution's experience over 20 years

Wiseman JE, Nguyen NX, Anselmo DM. Midgut segmental volvulus in neonates without malrotation: Our experience with a rare clinical entity.

[American Pediatric Surgical Association, May 28-31, 2009; Puerto Rico](#)

Ford HR. Who gets Better?

Ford HR. How to Negotiate the Deal

Sala FG, Grikscheit TC. Intestinal stem cells are identified in mature native and tissue-engineered small intestine.

Shaul DB. Why Consider a Contract

Shaul DB. Getting a Successful Contract

Tai CC, Sala FG, Ford HR, Wang KS, Grikscheit TC, Bellusci S. Over-expression of FGF10 increases transit-amplifying cells but does not affect intestinal stem cells.

Upperman JS. Diminishing disasters

[American Pediatric Surgical Nurses Association, May 25-28, 2009; Puerto Rico](#)

Nowicki, D. Defects of the anterior abdominal wall in the newborn

Zambetti, G. Mitochondrial disease and the muscle biopsy: Not a simple procedure

[14th Annual Open House & Poster Presentation \(Saban Research Institute\) June 1, 2009](#)

Burke RV, Goodhue CJ, Ferrer RR, Upperman JS. Factors associated with willingness to respond to a disaster: A study of healthcare workers in a tertiary setting (**selected as Best Poster**)

Matthews JA, Grikscheit TC, Sala FG. Identification and maintenance of organoids in Matrigel for tissue engineered intestine in patients requiring delayed implantation

Petrosyan M, Hunter CJ, Adams E, Williams M, Guner YS, Wang J, Upperman JS, Grishin A, Ford HR. PGE2 disrupts epithelial tight junctions via the EP1-PLC-MCK pathway.

Vendryes C, Utley S, Salisbury S, Wang K. The role of FGF-10 in chronic liver injury

## **Upcoming Deadlines**

July 1, 2009 - Abstract for [Eastern Association for the Surgery of Trauma](#) (January 9-23, 2010)

August 24, 2009 - Abstract for [Academic Surgical Congress](#) (February 2-5, 2010)

September 4, 2009 - Abstract for [Central Surgical Association](#) (March 10-13, 2010)

## **Important Link for Grant Opportunities:**

[www.grants.gov](http://www.grants.gov)

## **How Can I Help You and Your Research Endeavors?**

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