



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 published 1 manuscript and presented 16 abstracts in the past 3 months. The Division has also received a prestigious grant from the NIH. Below please find our most recent accomplishments of which we must all be proud.

Grants Received

Henri R. Ford MD - Pathogenesis and Treatment of Experimental Peritonitis (RO1)

Papers in Press and Recent Publications

Pierce J, Matthews J, Stanley P, Ford H, Anselmo D. Peri-rectal arterio-venous malformation treated by angioembolization and low anterior resection. *J Pediatr Surg* (in press).

Meeting Highlights (abstracts)

[Society for Critical Care Medicine, January 8-13, 2010, Miami, FL](#)

Upperman JS. Damage control in the battlefield.

[American College of Surgeons Southern California Chapter, January 22-24, 2010, Santa Barbara, CA](#)

Emami CN, Garrett D, Anselmo DM, Nguyen N. Single incision laparoscopic cholecystectomy in children: a preliminary report.

Emami CN, Garrett D, Anselmo DM, Nguyen N. Single incision laparoscopic splenectomy in children.

Jackson SR. Progenitor cell expansion following partial pneumonectomy in telomerase null mice.

[Academic Surgical Congress/Society of University Surgeons, February 2-5, 2010; San Antonio, TX](#)

Adams EA, Wang J, Grishin AV, Upperman JS, Ford HR. Expression of COX-2 increases barrier permeability in caco-2 tight monolayers.

Burke RV, Iverson E, Ferrer RR, Balasuriya D, Ryutov T, Neches R, Upperman JS. Gaps in pediatric disaster preparedness in a hospital network.

Emami CN, Mittal R, Ford HR, Prasadarao NV. Interaction of dendritic cells with *Enterobacter sakazakii* promotes enterocyte apoptosis and gut barrier failure.

Jackson SR, Warburton D, Driscoll B. Progenitor cell expansion following partial pneumonectomy in telomerase null mice.

Matthews JA, Grikscheit TC. Key intestinal stem cell niche components are identified in human intestine during necrotizing enterocolitis.

Sala FG, Matthews JA, Speer AL, Grikscheit TC. Murine tissue-engineered small intestine demonstrates intact tight and adherens junctions.

Speer AL, Sala FG, Matthews JA, Grikscheit TC. Intestinal subepithelial myofibroblasts demonstrate Cox-2 expression in early stages of epithelial proliferation in tissue engineered small intestine.

Utlely S, Berg T, Salisbury SM, Lam G, Sullivan S, Wang K. Postnatally induced over-expression of FGF10 promotes murine hepatic progenitor cell expansion similar to the DDC diet model.

Vendryes CL, Utlely S, Berg T, Wang K. Fibroblast growth factor receptor 2 expression is associated with hepatic progenitor cell expansion in the DDC model.

Williams ML, Adams EA, Mittal R, Petrosyan M, Franklin A, Vendryes CL, Grishin A, Ford HR, Nemani P. Outer membrane protein A expression is required for Enterobacter sakazaii (ES)-mediated enterocyte apoptosis.

[California Institute of Regenerative Medicine Grantee Meeting, March 3-5, 2010; San Francisco, CA](#)

Jackson SR. Telomerase function in bronchoalveolar stem cell and alveolar type II cell activation after partial pneumonectomy.

[John Templeton Jr. Pediatric Trauma Conference, March 5-6, 2010; Philadelphia, PA](#)

Jordan M, Upperman JS. Financial implications of trauma: Development of a trauma billing committee.

[Innovations in Medical Education, March 13-14, 2010, Pasadena, CA](#)

Pierce JR, Emami CN. Coding and billing incentives: A doorway to the advanced competencies.

Upcoming Deadlines

April 7, 2010 - Abstract for [European Society of Pediatric and Neonatal Intensive Care](#) (October 2-5, 2010)

April 16, 2010 - Abstract for [American Academy of Pediatrics](#) (October 2-5, 2010)

June 2, 2010 - Abstract for [American Association for the Study of Liver Diseases](#) (October 29-November 2, 2010)

Important Link for Grant Opportunities:

www.grants.gov

How Can I Help You and Your Research Endeavors?

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