

Current Research Activity (2001 – Present)

General Surgery

Barreda R, Carrick M, **Tyroch AH**. The effects of structural lesions on the development of thrombocytopenia and coagulopathy in moderate and severe head injury.

Tyroch AH, Rocha N. The impact of substance abuse related trauma admissions in Level I Texas trauma centers: An eleven city multi-site study.

Santillan A, **Agullo F**, **Tyroch AH**. Systemic inflammatory response syndrome and posterior ischemic optic neuropathy after blunt trauma.

Kilgo R, **Tyroch AH**, Clark N, Gilardoni P. Accuracy of FAST examination for patients with blunt and penetrating trauma.

Peripheral blood T-cell lymphocytes after trauma, 2001-present

Primary Investigator: **S. McLean**

Co-investigator: H. Wilson, **A. Tyroch**

TTUHSC Dean's Seed Grant Program

Amount: \$40,000

A randomized, double-blind, placebo-controlled study to assess the effect of recombinant human erythropoietin on functional outcomes in anemic, critically ill, blunt trauma subjects after hospital discharge.

Primary investigator: **McLean SF**

Co-investigators: **Tyroch AH**, **Carrillo YM**, **Sandoval E**, Rocha N.

Sponsor: Omnicare Clinical Research

A multi-center, randomized, double-blind, parallel group, placebo controlled trial to evaluate the efficacy and safety of activated recombinant factor VII (rFVIIa/NovoSeven/Niastase) in the treatment of refractory bleeding in severely injured trauma subjects (Phase 2 trial).

Primary Investigator: **Tyroch AH**

Co-investigators: **Carrillo YM**, **McLean SF**, **Sandoval E**, Chaudhuri KL.

Sponsor: Novo Nordisk

A multi-center, double-blind, randomized, phase 3 study to compare the safety and efficacy of intravenous doripenem with that of meropenem in complicated intra-abdominal infections.

Primary investigator: Chaudhuri KL

Co-investigators: Chaudhuri S, Ortega D, Ho H, **Tyroch AH**, Norte A, Solis-Estrada J.

Sponsor: Peninsula Pharmaceuticals, Inc.

A multi-center, randomized, open-label, phase 3 study to compare the safety and efficacy of intravenous doripenem with that of intravenous imipenem in ventilator-associated pneumonia.

Primary investigator: Chaudhuri KL

Co-investigators: S Chaudhuri S, **Tyroch AH**, Hughes H.

Sponsor: Peninsula Pharmaceuticals, Inc.

McLean SF. ATV crashes: A continuing hazard for teenagers.

McLean SF. Intentional falls from heights: Injury severity and intoxicant use.

Freemyer R, McLean SF, Tyroch AH. Cardiopulmonary bypass and bronchoscopy for removal of large gravel in the bronchial tree.

Hashimoto LA, Chaudhuri K, Tyroch A, Yomtoob D, Solis-Estrada J. Predictors of endotracheal intubation in cervical cord injury.

Hashimoto LA, Morales AM. The ability of surgery residents to detect CT findings of acute appendicitis.

Hashimoto LA, Terreros D, Agullo F. Prevalence of *Helicobacter* sp. in patients with hepatobiliary disease.

Dougherty SH. Current treatment of bleeding duodenal or prepyloric ulcers.

Saltzstein EC. Demographics of breast disease in Hispanic women on the United States – Mexico border.

Agullo F, Sozer O. Gluteal perforator in lower body lift with circumferential lipectomy.

Trauma registries as a potential source for evaluating family violence and other cases of intimate partner violence within border communities. **Tyroch AH** is the IRB sponsor for this project that is being conducted by Nick Rocha at Thomason Hospital's Trauma Department.

Trauma registries as a potential source of border epidemiology work group indicator data: Trends from 1997 – 2002. **Tyroch AH** is the IRB sponsor for this project that is being conducted by Nick Rocha at Thomason Hospital's Trauma Department.

Post-operative pain management. The primary objective of the project is to establish an ongoing interdisciplinary performance improvement process to improve acute post-operative pain through the development or improvement of assessment standards, policies and procedures, staff and patient education and quality monitoring. **Tyroch AH** is the IRB sponsor for this project that is being conducted by the nursing staff (Carle M & Stewart-Ray V) at Thomason Hospital

Neurosurgery