Current Research Activity

Department of Surgery

**Burt BO,** Fisher L, Cosban T

Facial trauma database

IRB Status: open (open May 2010)

Chamberlin W, Chiodini R, **Davis BR,** Sarosiek J

Qualitative and quantitative assessment of infectious agents in inflammatory bowel disease.

IRB Status: open (May 2010)

**Davis BR,** Dupre DA, **Castaneda G**

Subtotal cholecystectomy is a safe alternative in cases of severe chronic cholecystitis.

IRB Status: under review

**Davis BR, Howe J,** Venardos N

Appendicitis differences in incidence, severity and treatment in a border community hospital.

IRB Status: open (DEC 2009)

**Davis BR,** **Garza DR**

CT angiography vs physical exam. An observational study of proximity penetrating extremity trauma.

IRB Status: open

**Davis B**, Cooper S, Ombaba S

To identify risk factors for surgical site infection (SSI) in a single institution Level 1 trauma center in western Texas.

IRB Status: open

**Dougherty S, Morales A, Garza D**

Reading of abdominal CT’s by surgery residents for the diagnosis of acute appendicitis.

IRB Status: open

**Lacerte D, Hanbali F, Vasquez LF,** Dupre DA

Incidence of intracranial hypertension after severe traumatic brain injury in older patients with brain atrophy.

IRB Status: under review

**McLean SF**, **Tyroch AH**

Abdominal wound closure after trauma and acute care surgery.

IRB Status: open

**McLean SF,**Davis HE**, Tyroch AH**

OSCE preparation survey study.

IRB Status: open / exempt

**McLean SF**

Problem based learning in surgical clerkships.

IRB Status: open / exempt

**McLean SF**, **Tyroch AH, Castaneda G,** Patel R, Reis V

An analysis of ATV accidents at a Level 1 trauma center.

IRB Status: open

**McLean SF**

Pancreas injury: factors affecting morbidity.

IRB Status: open

**McLean SF**, **Tyroch AH**

Ventilator management variables in trauma patients.

IRB Status: open

**McLean SF**

High frequency oscillatory ventilation vs conventional mechanical ventilation for trauma patients with respiratory failure: A retrospective cohort analysis.

IRB Status: open

**McLean SF, Tyroch AH**

Bridge jumping in the El Paso County: The effect of intoxicants on injury.

IRB Status: open

**McLean SF, Tyroch AH**

Peripheral blood T-lymphocytes after trauma.

IRB Status: open

**Tyroch AH, Garza DR, Kromah F**, Chua-Tuan J, **McLean SF**

Incidence of Non-Preventable Venous Thromboembolic Events in a Level I Trauma Center

IRB Status: open

**Tyroch AH, Howe J, McLean SF, Garza DR**

Incidence of deep venous thrombosis and other complications associated with operative and non-operative management of spleen injuries: Analysis of the National Trauma Data Bank  
IRB Status: exempt

**Tyroch AH,** Vordermark JS, Wadhwani S

Cross-section analysis of prostate cancer screening in el Paso County (El Paso analysis prostate cancer).

IRB Status: exempt

Borron S, **Tyroch AH**, Nichols P, Watts S

An observational study of intraosseous vascular access compared to central venous catheters in the Emergency Department.

IRB Status: open

**Tyroch AH, Kromah F,** Cooper S

Necrotizing soft tissue infection registry (multi-center study).

IRB Status: open

**Tyroch AH, Payne PE,** Monarez R**, Howe J, Pallandino H,** Ghaleb M

Outcomes in splenic angioembolization in traumatic spleen injuries: A retrospective review.  
IRB Status: open

**Clinical Trials**

An open-label, randomized, multicenter, Phase IIIb study to assess the efficacy, safety, and tolerance of Beriplex® P/N compared with plasma for rapid reversal of coagulopathy induced by coumarin derivatives in subjects with acute major bleeding. BE116-3002

2009 – present

Primary Investigator: Badr A

Co-investigators: **Tyroch AH, McLean SF**

Sponsor: CSL Behring

IRB Status: open

An open-label, randomized, multicenter, Phase IIIB study to assess the efficacy, safety, and tolerance of Beriplex® P/N compared with plasma for the rapid reversal of coagulopathy induced by coumarin derivatives in subjects requiring emergency surgery or invasive intervention. BE116-3003

2009 – present

Primary Investigator: Badr A

Co-investigators: **Tyroch AH, McLean SF**

Sponsor: CSL Behring

IRB Status: open

A Comparison of Anavip® [Crotalinae (pit viper) equine immune F(ab)2 ] and CroFab® (Crotalidae Polyvalent Immune Fab, ovine) in the Treatment of Patients with Crotalinae  
Envenomation: A Randomized, Prospective, Blinded, Controlled, Comparative, Multicenter Study. Phase III Rattlesnake Antivenom Trial (YA-07/02).

2008 – present

Primary Investigator: Haynes J

Co-investigators: Haynes J, **Tyroch AH**, Green S, Saldivar A, Baker RA

Sponsor: Instituto Bioclon S.A. de C.V.

IRB Status: open

A Randomized, Double-Blind, Placebo–Controlled Study to Investigate the Efficacy and Safety of Progesterone in Patients with Severe Traumatic Brain Injury.

Sponsor is BHR Pharma, LLC.

Primary Investigator: Badr A

Co-investigators: **Tyroch AH**

IRB Status: open

Enterra Therapy: Gastric electrical stimulation (GES) SystemHumanitarian device exemption (gastroparesis device clinical use under HDE)

2009 SEP – present

Primary Investigator: **Davis BR**

Co-investigators: McCaullum RW, Sarosiek I

Sponsor: Medtronic Sofamor Danek

IRB Status: open

**Trials**

Skin closure in abdominal surgical incisions: Proposal for a randomized controlled trial comparing absorbable subcuticular staples versus metal staples.

2009 JAN – present

Primary Investigator: **Tyroch AH**

Co-investigators: **Payne PE, Palladino H, Dougherty S, Banerji S, Le H, Ahmeti M, Casto J**

Sponsor: Texas Tech University HSC, Department of Surgery

IRB Status: open

**Research Grants**

Development of a rapid and sensitive test for HTLV-I/II detection in donor tissue.

Co-Principal Investigators: Bramblett, DE**, Tyroch AH**

Co-Investigators: Pfarr C

Amount: $ 6,485

Sponsor: Texas Tech University HSC – Seed Grant

**Proposed Research**

**Agullo FJ,** Sozer SO, Palladino H, **Phuoc V, Castro J,** Velasquez J

Flowable acellular dermal matrix as soft tissue filler.

IACUC Status: under review

**Burt BO,** Wu P, Walther S, Laurie G

Identification of lacritin in the human accessory lacrimal glands

IRB Status: dept initial submission process May 2010

**Vasquez LF, Castro J**

Prognostic significance of hyponatremia in patients with severe traumatic brain injury

IRB Status: PI initial submission process May 2010