

I am pleased to offer multiple medical student research opportunities in clinical research. This primarily involves retrospective cohort studies via review of the electronic medical record or other database such as the trauma or burn registry. Topics include all aspects of surgery, critical care, oncology, healthcare disparities, costs analysis and outcomes research, medical education and ethics.

Students are involved in all aspects of the study conduct, including study design, IRB submission, data collection, and preparation of presentations and manuscripts. I am also happy to explain and teach the statistical analysis component to interested students, although this is not an essential requirement. Each project provides the opportunity to obtain a thorough grounding in conducting retrospective clinical research, which will allow you to conduct independent investigation as you progress in your academic career. All research will lead to presentation at Student Research Week; you will also be provided the opportunity to present at a regional meeting, and almost all will be submitted for publication within 1 year of commencing the study.

There are also opportunities to participate in prospective clinical trials, although these are fewer in number, smaller in scope of your actual involvement and less likely to provide you authorship of a peer-reviewed publication within a short time.

Some recent examples of topics include:

Hernia recurrence following hand-assisted laparoscopic surgery

A systematic review of pneumomediastinum in blunt trauma

Pneumonia in patients with inhalation injury: does it affect mortality?

Private insurance is the strongest predictor of women receiving breast conservation surgery for breast cancer

Percutaneous endoscopic gastrostomy: more complicated than it looks

The use of CT scans in patients presenting to the emergency room with abdominal pain

Variations in perception of trauma related complications among attending surgeons, surgery residents, critical care nurses and medical students.

The use of virtual reality to reduce pain with wound care in burned patients

Sharmila Dissanaïke MD

Associate Professor

Department of Surgery

Sharmila.dissanaïke@ttuhsc.edu