

# RESURG

Research Experience in Surgery



Introducing the new admin team!

Left to Right: Supervising Officer, Compliance Officer, Education Officer

## MISSION STATEMENT

Train competent researchers while helping students achieve their professional and educational goals through early exposure and participation in medical research.

## CURRENT PROJECTS

### Sutures vs. Staples: An analysis of Wound Closure Methods for Below-the Knee Amputations (BKA's) in Vascular Surgery

**Research Classification:** Retrospective **Principal Investigator:** Mimmie Kwong, MD

**Research Assistants:** Avni Suri (Lead) & Leo Andrada (Lead)

*This research study compares the post-operative outcomes and closure techniques of below-the-knee amputations and data is currently being collected through EMR.*

### Improving Access to Care for Trauma Patients

**Research Classification:** Prospective Human Subjects **Principal Investigator:** Joseph Galante

**Co-Principal Investigator:** Marguerite Spruce **Research Assistants:** Anastasiya Ivanko (Lead) & Kevin Dinh

*The study aims to improve access to primary care services amongst uninsured trauma patients via inpatient counseling with or without referral to a free UC Davis student-run clinic to manage a chronic condition. The project is currently screening and enrolling patients for the study.*

### Patient Engagement and Outcomes for Vascular Conditions

**Research Classification:** Retrospective

**Research Classification:** Misty Humphries, MD

**Research Assistants:** Amber Solt (current), Marc Friedman (previous)

*The aim of this study is to determine how patient activation affects outcomes for patients with vascular disease.*

### Understanding Thoracic Outlet Syndrome

**Research Classification:** Retrospective

**Principal Investigator:** Misty Humphries, MD

**Research Assistants:** Matthew Kim (Lead)

*The aim of this study is to identify factors associated with Thoracic Outlet Syndrome and develop treatment algorithms for patients with Thoracic Outlet Syndrome.*

### Magnesium Infusion for Pain Management in Critically Ill Trauma Patients

**Research Classification:** Prospective, Clinical Trial **Principal Investigator:** Christine Cocanour, MD

**Research Assistant:** Gabrielle Echt

*The study aims to demonstrate the effectiveness of continuous, intravenous administration of magnesium sulfate as compared to placebo in decreasing pain in critically injured patients.*

### Database of Surgical and Oncologic Outcomes for Liver and Pancreas Surgical Oncology Patients

**Research Classification:** Retrospective

**Principal Investigator:** Sepideh Gholami, MD

**Research Assistant:** Alexis Chirco (Lead)

*The study aims to track surgical and oncologic outcomes for liver and pancreas cases for the UC Davis surgical oncology department.*

---

*This program is a grassroots effort to develop a sustainable research experience for undergraduate students and give them experience with surgeons who are changing the face of surgery through their research. We hope to inspire young minds to contribute to science and encourage them as they look at the medical field for their future, and there is no greater specialty than surgery.*

*Dr. Misty Humphries*

---

## FEATURED STUDENT

### LEO ANDRADA

Leo Andrada is a graduate from Sacramento State, with a BS in Biological Science, with a concentration in Biomedical Sciences. Leo's professional goal is to become a physician, taking part in missionary medicine overseas. He is an owner of an Australian Shepard named Jessie and loves spending time outdoors. Leo's favorite activities outside of work and RESURG are fishing and kayaking. Leo Andrada is a mentor in the RESURG program. RESURG has helped Leo learn about research, taught him how to dream up a vision and be an advocate for others, and has helped him discover various skills he possesses.

---



---

*Our website is now LIVE! Check out our site to find updates on our team and different research projects being worked on!*

*Link: <https://health.ucdavis.edu/surgery/resurg.html>*

---

# CLINICAL RESEARCH ASSISTANT TEAM



Back Row (left to right): Anastasiya Ivanko, Leo Andrada, Alexis Chirco, Christina Brown, Gabrielle Echt, Amber Solt, Kevin Dinh, Jerod Yee  
Middle Row (left to right): Kritika Sharma, Alesia Do, Angela Aguirre, Andrea Sommer  
Front Row (left to right): Avni Suri, Matthew Kim

## **WELCOME WINTER 2020 CLASS!**

Alexis Chirco – Clinical Research Assistant  
Kritika Sharma – Clinical Research Assistant  
Andrea Sommer – Clinical Research Assistant

## **Email us**

**hs-resurg@ucdavis.edu**

**Program Coordinator**

**Laura B. Jones - lbjjones@ucdavis.edu**