

RESURG

Research Experience in SURGery

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MISSION STATEMENT

Our vision is to promote, develop, and train students to become competent research professionals, while mentoring them in their professional and educational goals.

CURRENT PROJECTS

Contemporary Natural History of Internal Carotid Artery Occlusion:

Research Classification: *Retrospective*

Principal Investigator: *Nasim Hedayati, MD*

Research Assistants: *Bryan Kuo (lead)*

Anticipated Enrollment #: 42

Currently, there is no data to identify which patients will progress to complete occlusion without the development of neurologic symptoms. This project aims to provide a contemporary natural history of patients with Internal Carotid Artery (ICA) stenosis that progressed to ICA occlusion, focusing on risk factors predictive of neurologic events. We hypothesize that progression from ICA stenosis to complete occlusion is associated with risk factors that have far gone largely undetected.

Effect of Online Family Interventions on Glycemic Control in Children with Type One Diabetes

Research Classification: *Prospective*

Principal Investigator: *Loomba-Albrecht, MD*

Research Assistants: *Elisa Gonzalez (Lead)*

Anticipated Enrollment #: 60

This study aims to determine whether behavioral family therapy sessions initiated at the time of diagnosis of Type 1 Diabetes are associated with benefits in glycemic control at 1 year and 2 years post-diagnosis in a prospective study, along with children with pre-existing Type 1 Diabetes. This is done through monitoring of HbA1c measurements.

PCPLC Core Data Project:

Research Classification: *Prospective / Retrospective*

Principal Investigator: *Payam Saadai, MD*

Research Assistants: *Kevin Ly (Lead)*

Anticipated Enrollment #: 100

The aim to this study is to collect information about a patient population of those with pediatric colorectal disease and maintain a database. The database will be used by PCPLC to characterize the patient population and to describe the treatment practices and functional outcomes.

NEW STUDIES FROM THIS QUARTER:

- [Is Rural Surgery Rotation Beneficial for General Surgery Training?](#)
 - Principal Investigator: *Edgardo Salcedo, M.D*
- [Noninvasive Measures of Bariatric Surgery Outcomes \(NASH\)](#)
 - Principal Investigator: *Victoria Lyo, M.D*

HOW IS RESURG CURRENTLY DOING?

Physicians RESURG is Currently Assisting: 16

RESURG RAs Assisting on Research Studies: 16

Research Studies RESURG is Assisting on: 30

Divisions RESURG Currently Supports: *Vascular, Oncology, Pediatrics, Trauma, Cardiothoracic, and Foregut, Metabolic and General Surgery*

CONGRATULATIONS TO ANDREA SOMMER FOR GRADUATING!



ANDREA SOMMER

“I will continue my work with RESURG and the Betty Irene Moore School of Nursing through March 2021. Starting in April, I will be a lab aide for the undergraduate anatomy course as well as continuing my ongoing volunteer lab position. From there I am hoping to find a job in clinical hospital research or another assistant position to further my clinical exposure. End goal is to hopefully obtain a PhD one day to be able to teach physiology at the undergraduate level. I am not sure if that will mean getting my master’s in nursing or PA license and then a PhD – it will be at least a year before I go to a graduate program. Although I still have a quarter left with the program, I want to thank RESURG for boosting my undergraduate years with opportunities for growth and education. I have been exposed to a wide aspect of the medical world that has shaped my future career aspirations to involve some aspect of wanting to further the quality of care provided by medical professionals. I am grateful for the chance to strengthen my leadership by being on Admin as well as my mentorship capabilities with fellow students. Additionally, my opportunities to work with Vascular and Cardiothoracic PIs, CRCs, and study teams has given me a lot of knowledge of how to understand patient outcomes better and how to work as a collaborative team throughout each step of a study.”



RESEARCH ASSISTANT Q&A

Meet **Bryan Kuo**! Bryan is a current Data Specialist with RESURG. Bryan has been with RESURG for a little over a year and in this Q&A, we dive into Bryan's responsibilities as a data specialist, a unique position essential to our program.

Q: What are some skills you have developed in your time being a Data Specialist? Did you have any specific skills coming into the position?

A: So far, the Data Specialist position has allowed me to develop the following skills:

- REDCap database creation and usage
- Chart review
- Data entry
- Written and verbal communication
- Independent and collaborative problem solving

Coming into this position, I had the following experiences/skills:

- Clinical experience at a student-run clinic
- EMT knowledge and skills
- Lab experience at a biotech company
- Written and verbal communication
- Independent and collaborative problem solving

Q: Can you tell us about your position as Data Specialist?

A: My duties as a Data Specialist's responsibilities include but are not limited to the following:

- Assist surgeons and research assistants in the development of research studies on REDCap
- Review patient charts to obtain data points for research studies and other quality improvement studies within the Department of Surgery
- Train new research assistants on the use of REDCap for storing research data

I like how the Data Specialist position has allowed me to develop a strong understanding of REDCap and use REDCap to assist with data collection for studies.

Q: Can you tell us about the studies you are currently working on, involving your data specialist position?

A: I am currently working with Dr. Humphries and Dr. Donde on our eConsults study titled "Assessing Role of Imaging Sharing Prior to Vascular Surgery eConsults." This study aims to evaluate e-consult metrics. We hypothesize that requiring imaging sharing for new vascular surgery e-consults would result in decreased time-to-diagnosis, decreased time to intervention, reduced cost (Medicare savings), and improved patient perspective of care.

WELCOME FALL CLASS 2021



"My experience in RESURG so far has been extremely educational and interesting because this is an area of research that is relatively new to me. As clinical research is rigorous and requires attention to detail, the RESURG team has been exceptional in not only answering any doubts or clarifications that I have but also in making me feel welcome and comfortable with conversing with various members of the program. RESURG is truly a unique experience because it provides you with a skillset to dive into clinical research and gives you the experience of working with healthcare professionals while also allowing you to foster professional relationships. I am truly grateful to be a part of such an amazing program and I hope that in the future, I am able to put what I learned in the first quarter and apply it to future studies and experiences." – **Shyama Chaganti**



"During my first quarter in RESURG, I have met a lot of amazing people from different academic backgrounds who are all very passionate about clinical research. Gaining experience being under the tutelage of those who have experience in research has given me new insight about what it means to conduct research and be at the forefront of clinical science. This whole journey has allowed me to broaden my horizons, and I am grateful that I am supported by the RESURG team and everyone who encourages me to learn and involve myself in research. I hope to continue educating myself in research as I begin to work with my PI and my fellow RESURG members." – **Brian Luong**



"RESURG has taught me a lot this quarter such as how to write a protocol, create an IRB package, and talk to professionals! I have really enjoyed getting to know the new RA's, the RESURG program coordinators, and the entire RESURG team! I am very excited to continue learning with RESURG as the academic year continues." – **Elisa Gonzalez**



"During my first quarter in RESURG, I learned about the research process, including the steps and people involved in conducting a research study. I also learned how to submit a research proposal project. I have also been added to a research study this quarter and I am looking forward to being involved in prospective clinical research. I am incredibly grateful to be a part of the RESURG program and I am excited to continue to learn about how research is currently advancing medicine!" – **Harshitha Naidu**



"Being a part of RESURG has been monumental in my understanding of clinical research studies and the importance they have in advancing the field of healthcare. Working with other RAs and Junior Specialists have allowed me to learn how to collaborate and achieve our shared research goals. I hope to continue expanding my view on research through my work with RESURG and learn how it can directly impact lives." – **Neha Gondra**



"Over the past quarter, RESURG has shown and educated me in the world of clinical research. Although I am new to the program, I feel I have learned so much and I am going to learn so much more throughout. One of my favorite experiences in RESURG was when we had a panel that included individuals from different professions that spoke on research; this panel allowed me to see the passion that these folks have and used to accomplish their goals and mission statements. I am beyond excited to see where this quarter takes me because I just got placed onto studies and the information/experience I learn is something I will never forget and always use in the future." – **Jose Hernandez Nava**

HAVE A STUDY YOU NEED HELP WITH?

Request Assistance [HERE](#). To learn more about our program visit our website [HERE](#).