

# SURGE



[www.surgery.northwestern.edu](http://www.surgery.northwestern.edu)

@NMSurgery

@purplesurg

northwesterngensurg

Surgery Research Growth and Engagement Newsletter

Issue 3 (Fall 2021)



Congratulations to all DOS trainees who have presentations at the 2021 American College of Surgeons Clinical Congress.

**[CHECK OUT THE EVENT PLANNER!](#)**

**Saturday, 10/23/21: Debbie Li, Andrew Hu (2 talks), Jenna Stoehr, Charles Logan, Dhavan Shah**

**Sunday, 10/24/21: Nikhil Shah, Rachel Joung, Chitang Joshi, Alona Furmanchuk, Kate Ott**

**Thursday 10/28/21 posters: Bona Ko, Josh Weissman, Jenna Stoehr, Emily Chwa, Katte Ott, Martha Ingram, Sydney Olson, Jonathan Theros**

**32** First- and second-author publications from DOS residents and fellows between June and September 2021. **Congratulations to all!**

Are you a PGY1 or 2 wondering how to plan your research years, find a mentor, and/or apply for funding?

[Check out these upcoming](#)

[events:](#)



10/14/21, 9:15-10:15 am: ZOOM Research Training Program Roundtable. **Use DOS Conferences Teams link.**



10/14/21, 5:45-8 pm: ZOOM dinner to chat with faculty in small groups. **Check your email to RSVP.**



SIGN UP for 1:1 meetings with Karen Ho between now and November. **Check your email for the link to the Google sheet.**



**Sandeep Bharadwaj (senior author: Dave Odell)** published a

[survey](#) of CT surgery faculty in the Thoracic Surgery Directors Association database and

found that "Attending thoracic surgeons identify an unmet desire for ongoing, constructive feedback on their technical skills following training. Surgeons feel critique fosters improvement and would devote significant time to engaging in peer feedback. A platform for exchange of technical skill feedback is warranted."



**Brian Brajcich (senior author: Karl**

**Bilimoria)** [found](#) that of 5701 residents in 285 general surgery residency programs, there were no differences in burnout, suicidality, job satisfaction, salary, or mistreatment for residents at unionized vs. nonunionized programs. However, unionized programs more frequently offered 4 weeks instead of 2-

3 weeks of vacation and housing stipends.



When are regional and national surgical conferences and abstract deadlines?

**Bookmark the "Surgical Conferences Calendar"!**

**Browse through faculty research descriptions [here!](#)**

**Learn about research funding opportunities for residents and students [here!](#)**

**Find other research resources [here!](#)**



**Booker Davis and Mecca Islam (senior author: Steve Schwulst)**

have a publication *in press* on "Fecal Microbiome Transfer Reverses Dysbiosis and Functional Deficits After Traumatic Brain Injury in Mice."



**'EAR YE, 'EAR YE!!**



**Matt Chia** was selected to be one of the editors of "[Audible Bleeding](#)" and published several episodes highlighting events



at the 2021 Vascular Annual Meeting in August.



# CONGRATULATIONS to these award winners!!



**Taylor Brown** (mentor: **Bin Jiang**): Regenerative Engineering T32 Training Program

**Zhangying (Jennie) Chen** (mentor: **Steve Schwulst**): Shock Society Travel Award

**Booker Davis** (mentor: **Steve Schwulst**): Shock Society New Investigator Award Finalist and Travel Award

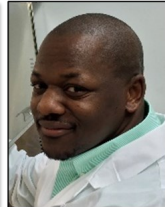
**Jerian Dixon-Evans** (mentor: **Kathy Grady**): NIH/NIA R36 for her doctoral dissertation "The impact of race on quality of life after heart transplant or destination therapy for mechanical support"

**Megan Fracol**: Selected as Resident Representative to the American Society of Plastic Surgeons and Plastic Surgery Foundation Board of Directors. In this position, she will serve as the Head of the Resident Council of the Young Plastic Surgeons Forum, which is one of the highest leadership positions that a resident can achieve!

**Mecca Islam** (mentor: **Steve Schwulst**): Shock Society Travel Award

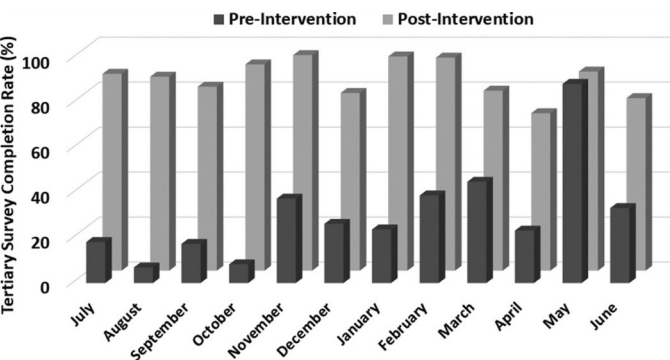
**Audra Reiter** (mentors: **Mehul Raval** and **Karl Bilimoria**): NIH Loan Repayment Program

**Jes Sanders** (mentor: **Daniela Ladner**): Transplant Surgery Scientist T32 Training Program



**Amy Holmstrom and Kate Ott** (senior author: **Tony Yang**) performed a before and after [analysis](#) of QI interventions to increase the frequency of trauma tertiary surveys (TTS). "Patients with a document-

ed TTS postimplementation were over twice as likely to have a missed injury detected compared with preimplementation, suggesting that the interventions improved both the performance of and the effectiveness of the TTS."



**Brian Nasca** (senior author: **Tony Yang**) has a new [commentary](#) on "Quality and Safety in Surgery: Challenges and Opportunities".

The Joint Commission  
Journal on Quality and Patient Safety®



**Arielle Thomas** (mentors: **Karl Bilimoria, Anne Stey,** and **Avery Nathens**) will give a talk on "Time to OR for patients with abdominal gunshot wounds: A potential



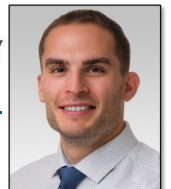
process measure to assess the quality of trauma care?" at the meeting of AAST & Clinical Congress of Acute Care Surgery this month.

**Andres Guerra** (senior author:



Journal of Vascular Surgery

**Heron Rodriguez**) has a new [publication](#) on outcomes after ipsilateral carotid bypass in hostile neck environments.



**SHARE THE BUZZ!** Do you have research news? Email Karen Ho (kho1@nm.org)!



**Ava Chappell** (senior author: **Marco Ellis**) performed a [meta-analysis](#) of 10 major treatment modalities for post-mastectomy pain syndrome. “This review supports the importance of multi-modal, multidisciplinary care in improving the management of PMPS.”



**Lindsay Janes** (senior author: **Jason Ko**) published a [review](#) of targeted muscle reinnervation for the treatment of neuromas.



**Plastic and Reconstructive Surgery**

**Aaron Kearney** (senior author: Mohammed Alghoul)

performed a retrospective [study](#) of patients undergoing bilateral breast implants. Acellular dermal matrix-associated contracture was present in 21% of breasts. Contracted acellular dermal matrix had less vascularity and a lower collagen I-to-collagen III ratio. “Our histologic analysis demonstrates distinct changes that occur in these breasts. Future work will be required to better characterize the clinical factors that make acellular dermal matrix-associated contracture more likely to occur.”



## A FEW FUN TRIVIA QUESTIONS

*(Give up? Answers are at the bottom)*

### 1. WHAT DO THESE HAVE IN COMMON?

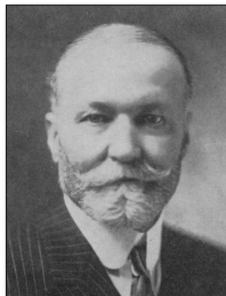
- THE FIRST SUCCESSFUL ARTERIAL ANASTOMOSIS IN A HUMAN
- ACUTE CHOLECYSTITIS
- ASSASSINATION ATTEMPT ON PRESIDENT TEDDY ROOSEVELT
- THE AMERICAN COLLEGE OF SURGEONS



### 2. VA SPA

WHICH WAS THE FIRST VA HOSPITAL IN THE NATION TO AFFILIATE WITH A MEDICAL SCHOOL?

**ANSWERS:** 1. [John B. Murphy](#), Professor of Surgery at Rush, UIC, and Northwestern University, performed the first successful arterial anastomosis in Chicago 125 years ago, in October 1896, on an Italian peddler who had been shot in the groin. He used the [“invagination technique.”](#) The anastomosis was later perfected by Alexis Carrel, who used a “triangulation technique.” Dr. Murphy is also remembered for the eponymous sign for acute cholecystitis and for treating President Teddy Roosevelt at [Mercy Hospital](#) after he was shot in Milwaukee and brought to Chicago in 1912. After Dr. Murphy’s death in 1916, the “J. B. Murphy Auditorium” on Erie Street was built in his honor and served as the headquarters of the American College of Surgeons until 1989. 2. As a result of strong advocacy by Dr. Paul Magnuson, Chair of Orthopedic Surgery at Northwestern University Medical School, the [first VA affiliation with a medical school](#) occurred between [Edward J. Hines Jr VA Hospital](#) and Northwestern University and UIC on January 3, 1946. This event is commemorated in a plaque that you can see in the Tarry Building in FSM.



Top left, [Dr. John B. Murphy](#). Bottom left, [Murphy Auditorium](#) on Erie Street. Right, [plaque](#) from January 3, 1996 commemorating the 50th anniversary of “Medical School—Veterans Hospital Affiliations.”