

THE SORCE

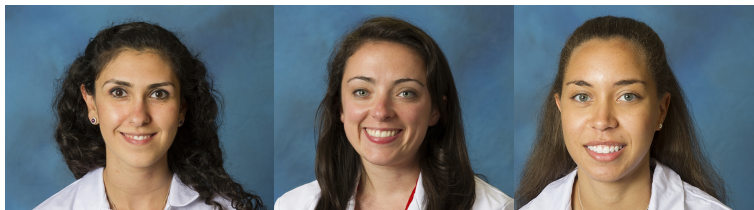
THE 'WHO'S IN OUR NEWS' THAT MAKE YOU GO WOW!



2020

The anti-COVID19 Issue v1(1)

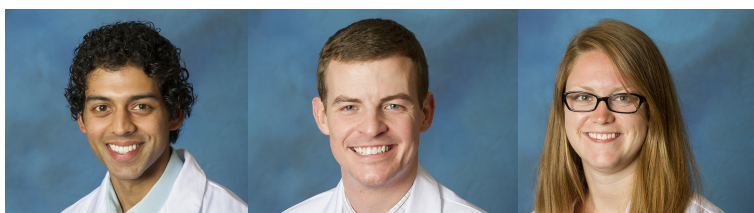
Shout Out Loud!



Ph.D.

M.S.

M.S.



M.S.

M.H.A.

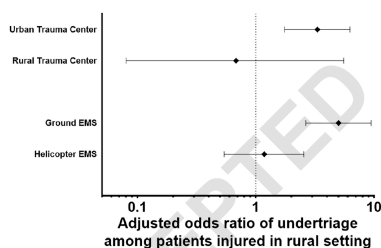
M.S.

A few of our residents just got a few letters behind their names!

Disparities in rural versus urban field triage risk and mitigating factors for undertriage

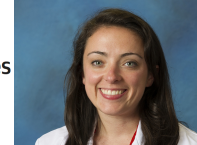
Deeb, Andrew-Paul MD¹; Phelos, Heather M. MPH¹; Peitzman, Andrew B. MD¹; Billiar, Timothy R. MD¹; Sperry, Jason L. MD, MPH¹; Brown, Joshua B. MD, MSc¹ [Author Information](#)

Dr. Andrew-Paul Deeb reports on his work published in the *Journal of Trauma and Acute Care Surgery* showing that geography itself can introduce disparities in access to care. In a large (N=453,112) retrospective analysis using the Pennsylvania Trauma Outcomes Study (PTOS), he, along with mentor Dr. Brown, shows that individuals residing in rural areas are more likely to be transported to a hospital less equipped to manage their injuries (i.e., undertriage): aOR 3.52 95% CI 1.82-6.78). (Mentor: Dr. Brown <https://www.ncbi.nlm.nih.gov/pubmed/32195996>)



JAMA Surgery | Original Investigation

Association Between Preoperative Metformin Exposure and Postoperative Outcomes in Adults With Type 2 Diabetes

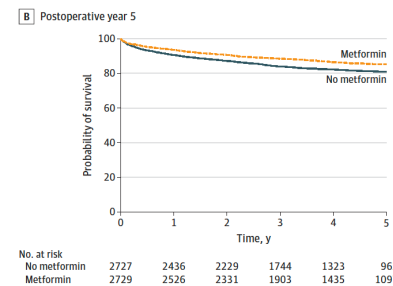


Katherine M. Reitz, MD; Oscar C. Marroquin, MD; Mazen S. Zenati, MD, MPH, PhD; Jason Kennedy, MS; Mary Korytkowski, MD; Edith Tzeng, MD; Stephen Koscum, BS; David Newhouse, BS; Ricardo Martinez Garcia, MPH; Jennifer Vates, MS-RA; Timothy R. Billiar, MD; Brian S. Zuckerman, MD; Richard L. Simmons, MD; Stephen Shapiro, MD; Christopher W. Seymour, MD, MSc; Derek C. Angus, MD, MPH; Matthew R. Rosengart, MD, MPH; Matthew D. Neal, MD

Dr. Katherine Reitz reports on the association between perioperative metformin in patients with type 2 diabetes prior to a major surgical procedure and reduced risk-adjusted mortality and readmission after operation. At 90-days after surgery the associated risk of death was reduced nearly 30%: HR, 0.72; 95% CI, 0.55-0.95). The work has received quite a bit of public attention.

<https://www.mdedge.com/endocrinology/article/220819/diabetes/metformin-use-linked-improved-surgery-outcomes>

Mentor: Dr. Neal

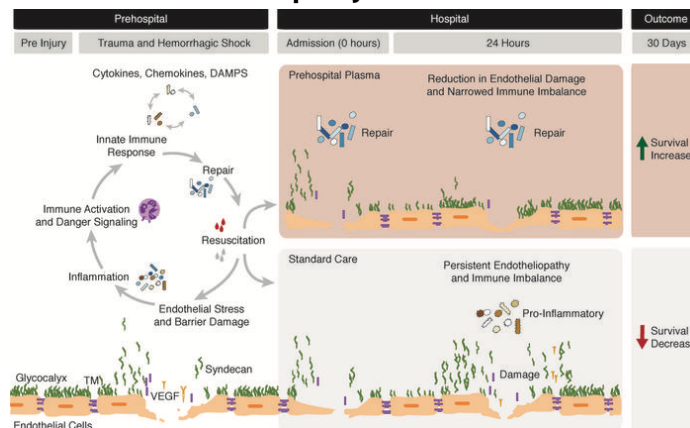


Prehospital plasma is associated with distinct biomarker expression following injury



Danielle S. Gruen,¹ Joshua B. Brown,¹ Francis X. Guyette,² Yoram Vodovotz,³ Par I. Johansson,⁴ Jakob Stensballe,⁵ Derek A. Barclay,¹ Jinling Yin,¹ Brian J. Daley,⁶ Richard S. Miller,⁷ Brian G. Harbrecht,⁸ Jeffrey A. Claridge,⁹ Herb A. Phelan,¹⁰ Matthew D. Neal,¹ Brian Zuckerman,¹ Timothy R. Billiar,¹ and Jason L. Sperry¹

Dr. Danielle Gruen reports on her work published in *JCI Insight*. In a large biomarker study of N=405 trauma patients enrolled in the PAMPer trial, receipt of prehospital plasma was associated with reduced pro-inflammatory mediators and increased protective mediators, which correlated with improved 30-day survival. **Mentor: Dr. Sperry**



Got something buzzworthy? Just give a holla to Dr. Mr. R (aka. [matthew r. rosenkart, md](mailto:rosengartmr@upmc.edu)). rosengartmr@upmc.edu

