

Stanford



Natalie Jane Koons

- Affiliate, Department Funds
- Resident in Graduate Medical Education

Publications

PUBLICATIONS

- **Superiority of compensatory reserve measurement compared to the shock index for early and accurate detection of reduced central blood volume status.** *The journal of trauma and acute care surgery*
Convertino, V. A., Thompson, P., Koons, N. J., Le, T. D., Lanier, J. B., Cardin, S.
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- **Virtual Anesthesiology Medical Student Learning Program Pilot Designed in Response to COVID-19.** *The journal of education in perioperative medicine : JEPM*
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- **Intralipid (R) improves left ventricular function in rats with lipopolysaccharide-induced endotoxaemia by a Src-STAT3-mediated mechanism** *BRITISH JOURNAL OF ANAESTHESIA*
Banerjee, S., Zargari, M., Medzikovic, L., Russino, H., Mikhael, M., Koons, N., Grogan, T., Rahman, S., Eghbali, M., Umar, S.
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- **Intralipid fails to rescue bupivacaine-induced cardiotoxicity in late-pregnant rats** *FRONTIERS IN MEDICINE*
Sherman, C., Koons, N., Zargari, M., Cha, C., Hirsch, J., Hong, R., Eghbali, M., Umar, S.
2022; 9: 899036
- **Identifying critical DO₂ with compensatory reserve during simulated hemorrhage in humans** *TRANSFUSION*
Koons, N. J., Moses, C. D., Thompson, P., Strandenes, G., Convertino, V. A.
2022; 62: S122-S129
- **Needlestick injuries among anesthesia providers from a large US academic center: A 10-year retrospective analysis** *JOURNAL OF CLINICAL ANESTHESIA*
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- **Physiology of Human Hemorrhage and Compensation** *COMPREHENSIVE PHYSIOLOGY*
Convertino, V. A., Koons, N. J., Suresh, M. R.
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- **An Analysis of Outcomes and Interventions for Female Pediatric Casualties in Iraq and Afghanistan** *MILITARY MEDICINE*
Gale, H. L., Koons, N. J., Borgman, M. A., April, M. D., Schauer, S. G.
2022; 187 (9-10): E1037-E1042
- **Predictors of hemodynamic decompensation in progressive hypovolemia: Compensatory reserve versus heart rate variability** *JOURNAL OF TRAUMA AND ACUTE CARE SURGERY*
Schlotman, T. E., Suresh, M. R., Koons, N. J., Howard, J. T., Schiller, A. M., Cardin, S., Convertino, V. A.
2020; 89 (2S): S161-S168
- **Combat medic testing of a novel monitoring capability for early detection of hemorrhage**
Koons, N. J., Owens, G. A., Parsons, D. L., Schauer, S. G., Buller, J. L., Convertino, V. A.

LIPPINCOTT WILLIAMS & WILKINS.2020: S146-S152

● **The compensatory reserve: potential for accurate individualized goal-directed whole blood resuscitation** *TRANSFUSION*

Convertino, V. A., Koons, N. J.
2020; 60: S150-S157

● **Tracking DO₂with Compensatory Reserve During Whole Blood Resuscitation in Baboons** *SHOCK*

Koons, N. J., Nguyen, B., Suresh, M. R., Hinojosa-Laborde, C., Convertino, V. A.
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● **Physiological comparison of hemorrhagic shock and VO₂max: A conceptual framework for defining the limitation of oxygen delivery** *EXPERIMENTAL BIOLOGY AND MEDICINE*

Convertino, V. A., Lye, K. R., Koons, N. J., Joyner, M. J.
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● **Interrelationship Between Sex, Age, Blood Volume, and (V) over doto(2max)** *AEROSPACE MEDICINE AND HUMAN PERFORMANCE*

Koons, N. J., Suresh, M. R., Schlotman, T. E., Convertino, V. A.
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● **Hemostatic responses to exercise, dehydration, and simulated bleeding in heat-stressed humans** *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*

Borgman, M. A., Zaar, M., Aden, J. K., Schlader, Z. J., Gagnon, D., Rivas, E., Kern, J., Koons, N. J., Convertino, V. A., Cap, A. P., Crandall, C.
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● **Proceedings of the 5th Annual United States Army Institute of Surgical Research Summer Undergraduate Research Internship Program 2017**

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