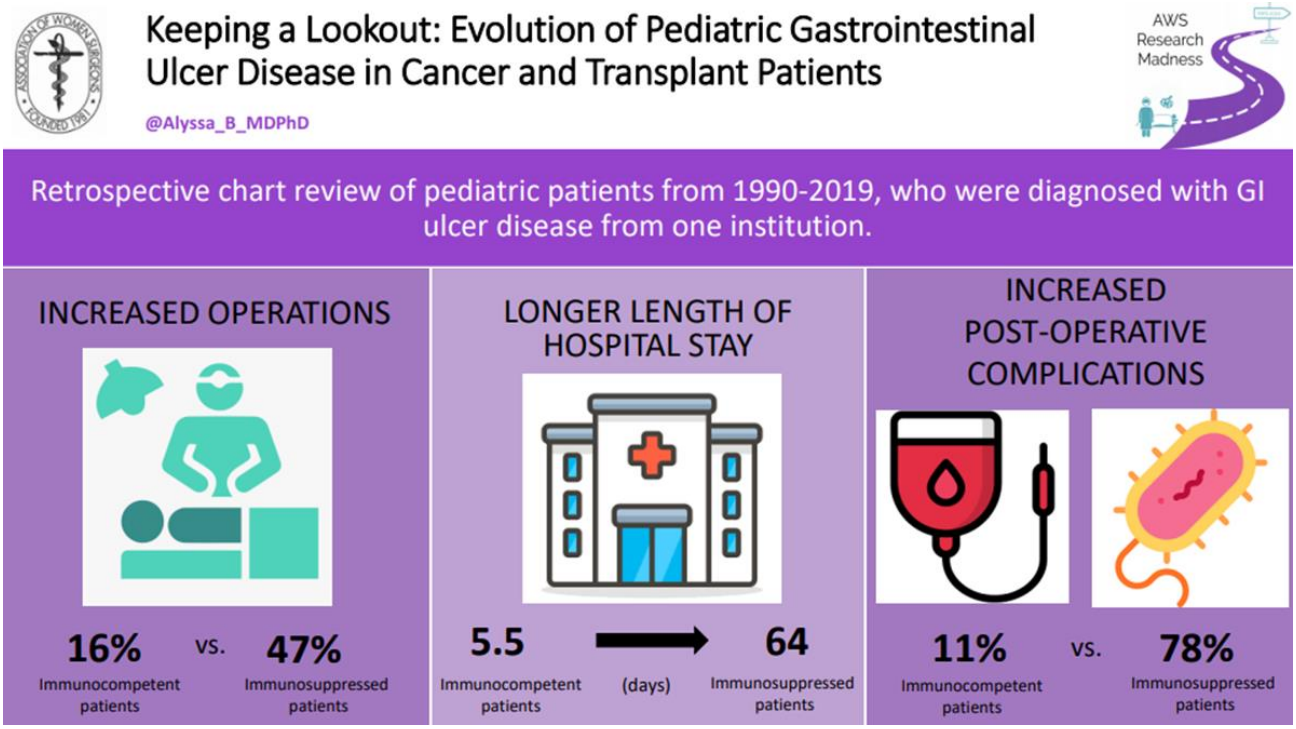
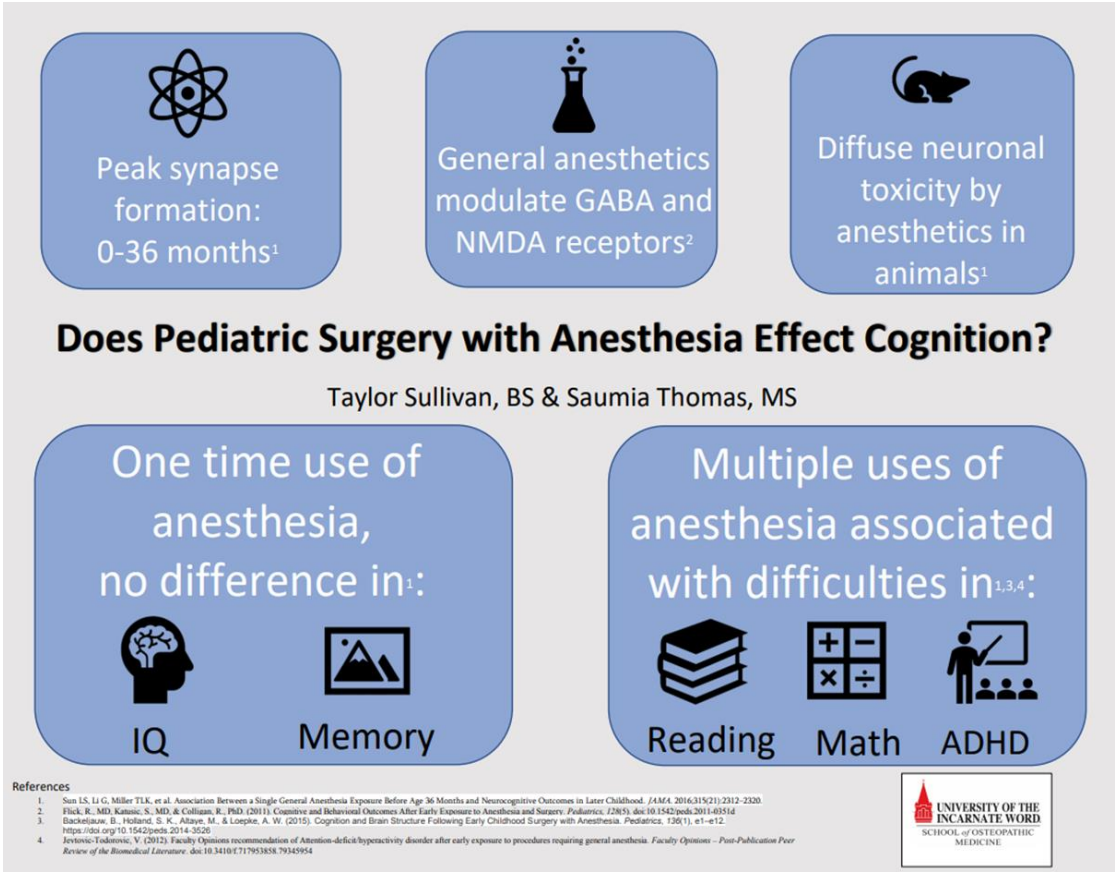
GROUP 9

19


Keeping a Lookout: Evolution of Pediatric Gastrointestinal Ulcer Disease in Cancer and Transplant Patients
@Alyssa_B_MDPhD
AWS Research Madness
Retrospective chart review of pediatric patients from 1990-2019, who were diagnosed with GI ulcer disease from one institution.
INCREASED OPERATIONS
16% Immunocompetent patients
vs.
47% Immunosuppressed patients
LONGER LENGTH OF HOSPITAL STAY
5.5 Immunocompetent patients
(days)
64 Immunosuppressed patients
INCREASED POST-OPERATIVE COMPLICATIONS
11% Immunocompetent patients
vs.
78% Immunosuppressed patients

20


Peak synapse formation: 0-36 months[1]
General anesthetics modulate GABA and NMDA receptors[2]
Diffuse neuronal toxicity by anesthetics in animals[1]
Does Pediatric Surgery with Anesthesia Effect Cognition?
Taylor Sullivan, BS & Saumia Thomas, MS
One time use of anesthesia, no difference in[1]:
IQ
Memory
Multiple uses of anesthesia associated with difficulties in[1,3,4]:
Reading
Math
ADHD
References
1. Sun LS, Li G, Miller TLK, et al. Association Between a Single General Anesthesia Exposure Before Age 36 Months and Neurocognitive Outcomes in Later Childhood. JAMA. 2016;315(21):2312-2320.
2. Flick, R., MD, Katusic, S., MD, & Colligan, R., PhD. (2011). Cognitive and Behavioral Outcomes After Early Exposure to Anesthesia and Surgery. Pediatrics, 128(5). doi:10.1542/peds.2011-0351d
3. Backeljauw, B., Holland, S. K., Altaye, M., & Loepke, A. W. (2015). Cognition and Brain Structure Following Early Childhood Surgery with Anesthesia. Pediatrics, 136(1), e1–e12. https://doi.org/10.1542/peds.2014-3526
4. Jevtovic-Todorovic, V. (2012). Faculty Opinions recommendation of Attention-deficit/hyperactivity disorder after early exposure to procedures requiring general anesthesia. Faculty Opinions – Post-Publication Peer Review of the Biomedical Literature. doi:10.3410/f.717953858.793459954
UNIVERSITY OF THE INCARNATE WORD
SCHOOL of OSTEOPATHIC MEDICINE