Alyson Win, Class 2024

Campus: Baylor Scott and White Health, Temple TX
Research Area: Examining Airway Management in Cesarean Deliveries Under General Anesthesia
Mentor: Michael P. Hofkamp, M.D. (Anesthesiologist)
Launch Talks: December 2022

Alyson Win, a medical student at Texas A&M School of Medicine, conducting clinical research under the guidance of Dr. Michael Hofkamp, M.D. an anesthesiologist at Baylor Scott and White Medical Center, Temple. They are investigating the incidence of failed airway management for cesarean deliveries under general anesthesia. While regional anesthesia is preferred in cesarean section deliveries, general anesthesia can be used when indicated. However, one of the major concerns with general anesthesia is the inability to intubate or ventilate a patient. The incidence for failed airway induction in this patient population is currently estimated to be 1 in 500. Additionally, video laryngoscopes have been increasingly used as a safer approach to secure airways in cesarean section patients under general anesthesia. We propose a retrospective observational study to examine cesarean section deliveries performed under general anesthesia at Baylor Scott and White- Temple between ~ 7- year period (February 1, 2014 and January 1, 2021). Our primary aim will be to determine the incidence of failed airway management for cesarean section deliveries performed under general anesthesia. Our secondary aim will be to compare the incidences of failed airway management between general anesthetics that used a video laryngoscope to general anesthetics that did not use a video laryngoscope.