



講師

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授課主題一

Anesthesia in High-risk TAVI Surgery 高危 TAVI 手術麻醉經驗分享

摘要

Regardless of the choice of anesthetic technique during TAVI, all patients should be anesthetized by an experienced cardiac anesthesiologist capable of managing both the high-risk patient population and the complex hemodynamic challenges of the procedure. Although conscious sedation or intravenous anesthesia has gained prominence as the preferred choice of technique during TAVI, there's an inherent risk (5.9%) of emergent conversion to general anesthesia, which results in high mortality rate (31%), due to procedural complications with requirement for cardiopulmonary resuscitation, respiratory insufficiency or agitation. Besides, according to the data of the largest randomized (SOLVE-TAVI) trial so far, general anesthesia has showed similar clinical outcomes, procedure or device times, ICU stay, delirium rates, or overall hospital stay as compared with conscious sedation.

In our center, we always provide precise general anesthesia by applying ERAS protocols, accompanied with intensive monitoring by TEE for patients undergoing either low- or high-risk TAVI surgery. Under the expertise of experienced cardiac anesthesiologists, we managed the anesthetic course smoothly and gained decent clinical outcomes as well as rapid anesthesia recovery, shorter length of ICU/hospital stay, and near perfect patient satisfaction. I will bring up several high-risk TAVI cases in this speech, during which I will share the anesthetic experience of managing some difficult situations, in the hope of providing fresh educational viewpoints for the newbies.