CARDIAC ANESTHESIA A STATE OF THE ART

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Cardiac anesthesia is intertwined with cardiac surgery. Compared to many other medical specialties, cardiac surgery is remarkably young, having developed almost entirely in the past 105 years. The specialty of cardiac anesthesia has mainly evolved in the past half century and many of the participants are still living and active. Cardiac anesthesia continues to advance at a rapid pace. Many of the recent innovations relevant to anesthesiology have originated in the cardiac surgery rooms and then had wide applications to patients with cardiac disease undergoing all other types of surgery. This lecture will review history and the state of the art in cardiac anesthesia.

1. **Application and evaluation of techniques including:**
   - Fast tracking.
   - Warm bypass.
   - Retrograde cerebral perfusion.
   - Augmented venous return.
   - Port access.
   - Off pump coronary artery surgery.
   - Heparin-coated circuits.
   - Modified ultrafiltration.

2. **Preoperative consideration**
3. **Induction and maintenance of anesthesia**
4. **ICU admission and plans for extubation and ICU discharge and following discharge.**