



講師

林素滿 Su-Man Lin

授課主題

Guidelines on Cardiopulmonary Bypass in Adult Cardiac Surgery

摘要

Cardiopulmonary bypass (CPB) is a crucial technology in modern cardiac surgery. CPB allows surgeons to perform precise repairs and interventions with minimal intraoperative bleeding by creating a bloodless and motionless environment for the heart.

CPB plays a crucial role in treating complex cardiac conditions such as congenital heart defects, coronary artery disease, and valvular heart disease, thereby improving patient outcomes and extending lives. However, it also presents challenges, including potential complications—many of which can be life-threatening. Because of the risks, CPB requires vigilant monitoring and management for optimal patient safety and recovery. Cardiopulmonary in cardiac surgery exemplifies a fusion of comprehensive, multidisciplinary knowledge and skills, necessitating collaboration among clinical perfusionists, surgeons, anaesthetists, intensivists, and patients.

Cardiopulmonary bypass (CPB) guidelines provide a framework for safe and effective use of CPB during heart surgery, focusing on aspects like patient preparation, circuit management, temperature control, and weaning procedures. These guidelines are regularly updated to reflect the latest research and clinical practices.