



講師

紀乃新 Nai-Hsin Chi

授課主題

Beating Cardiac Transplantation (Surgeon's Perspective)

摘要

Heart transplantation has evolved into a reliable procedure since the first human transplant in 1967. Despite advances such as the Organ Care System (OCS), ischemia during heart transport and cardioplegia during surgery remain critical challenges. This report details the first successful zero-ischemia-time heart transplantation achieved using a novel mobile perfusion system. Our technique maintains continuous coronary perfusion in a beating state, which may mitigate ischemia-reperfusion injury and reduce myocardial stunning.