

中文題目：台灣第一例心律不整孕婦無輻射導管電燒個案報告

英文題目：The First Case Report of Zero-Fluoroscopy Catheter Ablation for Recurrent Sustained Arrhythmic Tachycardia During Pregnancy in Taiwan

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Abstract

Introduction

Supraventricular tachycardia (SVT) is considered the most frequent sustained arrhythmia in pregnant woman and can result in an increased risk of severe maternal and fetal morbidities, cesarean delivery, low birth weight, preterm labor, fetal stress, and obvious fetal abnormalities. Antiarrhythmic drugs shall be considered carefully and even avoided concerning the potential adverse effect on fetuses. Fluoroless catheter ablation, without radiation exposure, is a novel option for these cases.

Case Report

A 36 years old pregnant woman at 23 weeks of gestation suffered from recurrent sustained SVT with syncope episodes who visited our cardiovascular outpatient department and emergent department several times. She eventually underwent zero-fluoroscopy ablation for this problem and the procedure was successfully performed. Both the patient and the fetus were fine and there was no more palpitation or tachycardia after then.

Discussion and Conclusion

This article is the first case report of successful zero-fluoroscopy ablation for recurrent sustained SVT during pregnancy in Taiwan. We highly recommend zero-fluoroscopy catheter ablation as an option with good efficacy and safety for cases of drug-refractory or poorly tolerated SVT during pregnancy in experienced centers.

Key words: Supraventricular tachycardia, Pregnancy, Zero-fluoroscopy ablation