

# Identifying the blood exosomal microRNA signature of oral cancer

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一、 Abstract :

二、 Oral cancer is the fourth both in incidence and in mortality among male patients of Taiwan. The effectiveness of standard treatment for late-stage patients remains poor. To reduce oral-cancer related mortality, one strategy is to effectively identify the precancerous or early-stage lesions. The purpose of this project is to identify the oral cancer-specific blood exosomal microRNAs and determine whether the microRNA can be used as a early detection biomarker. The result of this study fan be used as a screen tool to identify those early-stage patients and initiate the treatment at early stage to have promising outcome.

口腔癌的發病率和死亡率在台灣男性患者中，均居第四位。標準治療對晚期患者的有效性仍然很差。為了降低口腔癌相關死亡率，一種策略是有效識別癌前病變或早期病變。本計劃的目的是鑑定口腔癌特異性血液外泌體 microRNA，並確定該 microRNA 是否可以作為早期檢測生物標誌物。這項研究的結果可以用作篩選工具來識別那些早期患者並在早期開始治療以獲得有希望的結果。