

由 ICG 定位輔助之下肢黑色素瘤前哨淋巴結切片手術經驗探討

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Sentinel Lymph Node Biopsy in Lower Extremity Malignant Melanoma with the assistance of Indocyanine Green Navigation

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Purpose:

For malignant melanoma, new techniques and data on sentinel lymph nodes biopsy have become available and the cancer staging system has been modernized. Indocyanine green (ICG) navigation has demonstrated utility in lymph nodes identification and this study is to analyze the feasibility and clinical benefit of intraoperative ICG use in malignant melanoma.

Material and Method:

A retrospective review of 9 lower extremity melanoma patients who underwent sentinel lymph node biopsy with ICG navigation system and we compared our data with previous literature review in sensitivity and specificity of sentinel node identification.

Results:

Fluorescence imaging was performed with the real-time camera during malignant melanoma sentinel lymph node biopsy and similar localization rate along with false negative data has been found in our experience.

Conclusion:

Indocyanine green (ICG) navigation system has shown advantages in sentinel lymph node biopsy in malignant melanoma, with higher sensitivity and specificity. The treatment of malignant melanoma should continue to progress with better surveillance and diagnostic measures with this technique.