

عنوان مقاله:

Can Methylene Blue Dye be as an alternative of Patent Blue Dye in finding Sentinel Lymph Node in Breast Cancer Surgery

محل انتشار:

یازدهمین کنگره بین المللی سرطان پستان (سال: 1394)

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خلاصه مقاله:

Introduction: We evaluate detection rate and local complications of methylene blue (MBD) in comparison of patent blue dye (PBD) for Sentinel Lymph Node (SLN) biopsy in early breast cancer patients. **Methods:** In a cohort prospective study on 312 patients, divided in two group base on a kind of blue dye, we filled out a check list for the patients with demographic data, size of tumor, stage, detection of sentinel lymph node and complications and then analyzed the data. **Results:** Mean tumor size was 2.4 cm. Detection rate was in MBD group 77.5% with dye alone and 94.2% with dye and radioisotope; in PBD group it was 80.1% and 92.9% respectively. We had blue discoloration of the skin in 23.7% in PBD group and 14.1% in MBD that was significantly lower and also local inflammation in 1 patient in PBD group and 5 in MBD that was significantly higher. We did not have skin necrosis and systemic. **Conclusion:** Methylene blue is less expensive and has acceptable detection rate and low complications comparing Patent blue

کلمات کلیدی:

Breast cancer, Sentinel lymph node, Blue dye, Local complication

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