

**Oral Abstract 19:** ICG Use for Sentinel Lymph Node Mapping in Vulvar Cancer: A Surgical Video Demonstration

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Topic  
Vulvar

#### Objectives

The purpose of this surgical education video is to demonstrate best practices for the use of indocyanine green (ICG) in sentinel lymph node mapping for vulvar cancer, with an emphasis placed on techniques in patients who have had prior vulvar surgeries and subsequent scar formation.

#### Methods

This narrative video includes a background on vulvar cancer, a review of the relevant anatomy and an overview of the surgical steps in the case.

#### Results

The video demonstrates the workflow of ICG-guided sentinel lymph node mapping in the setting of prior vulvar surgery. Key topics reviewed include proper patient positioning, scar identification, circumferential injection technique and use of near-infrared imaging. The injection process itself is demonstrated, along with the confirmation of nodal fluorescence in vivo.

#### Conclusions

Sentinel lymph node mapping using ICG is a feasible and effective technique in patients with vulvar cancer and prior surgical excision. Intradermal injection around scar tissue enables the identification of sentinel nodes, even in the setting of disrupted lymphatic anatomy. This approach expands the applicability of sentinel lymph node biopsy to previously treated cases.

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