



# DOSING AND TIMING CHART ON HOW TO USE INDOCYANINE GREEN (ICG) BY PROCEDURE

PROCEDURE	PURPOSE	INJECTION TYPE	USUAL DOSAGE	INJECTION TIME	FIRST ICG DETECTION	ICG DURATION	CAMERA REQUIREMENTS	NOTES
Breast Cancer	Visualization of lymphatic drainage & SLN	Subcutaneous into periareolar region in each quadrant	1 mL (2.5mg/mL)	At start of procedure	5-10 min after injection	Remains stable during surgery. Slowly diffuses through lymphatics	Laparoscope or handheld NIR camera	
Immediate Breast Reconstruction	Mastectomy skin perfusion assessment	Intravenous	3 mL (2.5 mg/mL) + 10 cc saline flush	Before, during & after reconstruction	45 sec after injection	Arterial & venous phase, mins	Handheld or on free arm NIR camera	Adjunct to clinical assessment

**NIR, near infrared; ICG, indocyanine green; LN, lymph node; SLN, sentinel lymph node; Min, minutes; Sec, seconds; Hrs, hours** **DISCLAIMERS:**

- The above dosage and timing information have been collated from worldwide surgeons expert in these procedures and is based on their recommendations and is not evidence-based.
- All dosages have been adjusted to the U.S. recommended dilution of 25mg of ICG in 10mL of sterile water.
- Doses are device-dependent.
- Approval for listed indications may vary according to country.

**FOR ANY QUESTIONS ABOUT THE DOSING CHART, PLEASE CONTACT ISFGS AT [ADMIN@ISFGS.ORG](mailto:ADMIN@ISFGS.ORG)**