Intraoperative Radiation Therapy (IORT)

IORT, a form of precision radiotherapy, administers a concentrated dose of radiation directly to the residual tumor or the tumor bed during surgery, eliminating microscopic disease and reducing radiation treatment times. It can also be used to provide an added radiation “boost.” Since radiation is given during surgery, there is minimal skin damage and significant sparing of underlying healthy tissue and critical organs. As a result, there are fewer side effects for the patient.

FDA-approved, IORT is most often used to treat cancers of:
- Head and neck
- Breast
- Pancreas
- Gynecologic malignancies
- Sarcomas
- Neuroblastoma
- Spine Metastases

IORT for breast cancer
City of Hope Chicago offers IORT for breast cancer, performed immediately following the removal of a breast tumor and before the incision is closed. The IORT procedure takes approximately 20-30 minutes with a goal to significantly lessen the overall treatment time, minimize side effects and improve the overall quality of life. Women who are 50 years or older with estrogen positive, early-stage breast cancers are typically eligible for breast IORT. Data has demonstrated that IORT is safe and leads to positive outcomes for early-stage breast cancer, including low long-term recurrence rates.¹,²

Our team is committed to keeping referring physicians updated through HIPAA-compliant communications. Additionally, we will appropriately and deliberately transition patients back into their care upon treatment completion.

Contact us to refer a patient or for additional information.

Please send patient information via fax or encrypted email.

For more information, contact:

**Phone** 847.746.9990  
**Fax** 847.342.4089  
**Email** referrals@coh.org

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