



NIA Radiation Oncology Breast Cancer Guidelines

Accelerated Partial Breast Irradiation (APBI)

Please note, for Accelerated Partial Breast Irradiation (APBI), the radiation oncologist will need to obtain preauthorization for Accelerated Partial Breast Irradiation (APBI) and the **breast surgeon** will have to request preauthorization for the catheter insertion.

The following guidelines are used to make a medical necessity determination for APBI and the catheter insertion.

Partial Breast Irradiation

Accelerated partial breast irradiation (APBI) may be considered as the sole form of radiation therapy, in lieu of whole breast radiation following lumpectomy for selected cases. Patients with a small tumor, clear surgical margins after lumpectomy, and no lymph nodes containing cancer are typically eligible for APBI. APBI is considered unsuitable for patients who meet any of the following criteria: Smith, Arthur, Buchholz et al

- Less than 50 years of age
- Use of adjuvant chemotherapy
- Any positive lymph nodes
- Positive margins
- Tumor size of more than 3 cm (including ductal carcinoma in situ)
- Clinically or microscopically multifocal

Appropriate fractionation schemes for APBI are 34 Gy in 10 fractions delivered twice per day with brachytherapy or 38.5Gy in 10 fractions twice per day with external beam photon therapy