

# Summary: Appropriate Use Criteria (AUC) for Estrogen Receptor-Targeted PET Imaging with FES

Ulaner, G et al. "Summary: Appropriate Use Criteria for Estrogen Receptor-Targeted PET Imaging with 16α-<sup>18</sup>F-Fluoro-17β-Fluoroestradiol". *Journal of Nuclear Medicine*, March 2023, 64: 351-354.

Scenario number	Description	Appropriateness
<b>Diagnosis</b>		
1	Diagnosing primary breast cancer	Rarely appropriate
2	Diagnosing malignancy of unknown primary when biopsy is not feasible or is nondiagnostic	May be appropriate
<b>Staging</b>		
3	Routine staging of primary tumor (T staging)	Rarely appropriate
4	Routine staging of axillary nodes	Rarely appropriate
5	Routine staging of extraaxillary nodes and distant metastases	May be appropriate
6	Staging ILC and low-grade IDC	May be appropriate
<b>Biopsy</b>		
7	Assessing ER status, in lieu of biopsy, in lesions that are easily accessible for biopsy	May be appropriate
8	Assessing ER status in lesions that are difficult to biopsy or when biopsy is nondiagnostic	Appropriate
<b>Selection of therapy</b>		
9	After progression of metastatic disease, for considering second line of endocrine therapy	Appropriate
10	At initial diagnosis of metastatic disease, for considering endocrine therapy	Appropriate
11	At initial diagnosis of primary breast cancer, for considering endocrine therapy	Rarely appropriate
<b>Other</b>		
12	Measuring response to therapy	Rarely appropriate
13	Detecting lesions in patients with suspected / known recurrent or metastatic breast cancer	May be appropriate
14	Detecting ER status when other imaging tests are equivocal or suggestive	Appropriate

