

PET PROS

PET Professional Resources and Outreach Source

Part II: NCCN Practice Guidelines Narrative Summary

PET and PET/CT

NCCN guidelines were reviewed on 12/03/2008 for utilization of PET and PET/CT (available at: http://www.nccn.org/professionals/physician_gls/f_guidelines.asp). This narrative summary lists all of the practice guidelines, and describes the specific indications for PET and PET/CT.

Acute Myeloid Leukemia (v.1.2009): No PET

Bladder cancer (v.1.2009): No PET

Note: Bone scan recommended for staging if alkaline phosphatase elevated or symptoms, and in patients with metastatic disease

Bone cancer (v.1.2009)

- Chondrosarcoma: No PET
- Ewing sarcoma: PET scan and/or bone scan (staging); consider PET scan or bone scan (restaging); consider PET scan or bone scan (surveillance)
- Osteosarcoma: PET scan and/or bone scan (staging); consider PET scan, consider bone scan (restaging); consider PET scan and/or bone scan (surveillance)

Breast cancer (v.2.2008): No PET

- Stage I, IIA, IIB, or T3N1M0 invasive breast cancer: "A PET scan is not recommended in the staging of these patients".
- Post therapy surveillance and follow-up: "...PET scans.... are not recommended".

Central Nervous System Cancers (v.1.2008)

- Anaplastic Astrocytoma/Anaplastic oligodendroglioma/Glioblastoma multiforma: consider MR spectroscopy, MR perfusion, or PET to rule out radiation necrosis (recurrence)
- Limited (1-3) metastatic lesions: consider PET if 2-3 lesions and no primary found (diagnosis)
- Multiple (>3) metastatic lesions: consider PET if no primary found (diagnosis)

- Primary CNS lymphoma: consider body PET scan (Body PET scan may replace CT, bone marrow, and testicular ultrasound, but data for its use in primary CNS lymphoma is lacking) (diagnosis)

Cervical Cancer (v.1.2008)

- Initial workup: Chest x-ray, PET scan, CT/MRI (optional for \leq IB1) (staging)
- Para-aortic lymph nodes positive by surgical staging: Chest CT/PET scan (staging)
- Stage IA1 with lymphovascular space invasion or \geq stage IA2: Chest x-ray, PET scan, CT/MRI (optional for \leq IB1) (staging)
- Surveillance: CT/PET scan as clinically indicated (surveillance)
- Persistent or recurrent disease: pelvic/abdominal/chest CT/PET scan (recurrence)

Chronic Myelogenous Leukemia (v.2.2009): No PET

Colorectal Cancer (v.3.2008)

- Colon cancer
 - Initial work-up: No PET (PET scan is not routinely indicated in patients with colon cancer appropriate for resection)
 - Suspected or proven metastatic or synchronous adenocarcinoma from large bowel (any T, any N, M1): PET scan only if potentially curable M1 disease (staging)
 - Serial CEA elevation with negative colonoscopy and negative chest abdominal/pelvic CT scan: consider PET scan (recurrence)

SNM
PET
Center of Excellence

