



## PET Six-Month Monitoring Report 2010-2

### Evidence from Primary Studies and Systematic Reviews and Recommendations from Clinical Practice Guidelines July to December 2010

*Amidu Raifu and the PEBC Disease Site Group Reviewers*

Program in Evidence-based Care (PEBC), Cancer Care Ontario (CCO)

**Report Date: April 15, 2011**

**The complete PET 6-Month Monitoring Report  
consists of a Summary and a Full Report**

For further information about this report, please contact:

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#### SUMMARY

##### Question

What is the role of positron emission tomography (PET) in the clinical management of patients with cancer, with respect to:

- Diagnosis and staging?
- Assessment of treatment response?
- Detection and restaging of recurrence?
- Evaluation of metastasis?

Outcomes of interest are survival, quality of life, prognostic indicators, time until recurrence, or safety recurrence, safety outcomes (e.g., avoidance of unnecessary surgery), and change in clinical management.

##### Target Population

The target population for this report is adult patients with suspected or diagnosed cancer(s) (The cancer is not limited to those cancers with approved or Ontario Health Insurance (OHIP) insured services).

##### Methods

MEDLINE and EMBASE were systematically searched for full articles and abstracts published between July 1 and December 31, 2010 for evidence from primary studies and systematic reviews. The search strategies used are available in Appendix 1 and 2, respectively. As all of 2010 had been searched for clinical practice guidelines in the previous six-month monitoring report, no search for these documents was conducted for this report.

##### Results

Twenty-three primary studies and seven systematic reviews were extracted from the search.

Ten of the primary studies are prospective cohort studies, and 13 are retrospective studies.

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#### *Contact Information*

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