The value of FDG positron emission tomography/computerised tomography (PET/CT) in preoperative staging of colorectal cancer: a systematic review and economic evaluation


Record Status
This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' objectives
To conduct a systematic review of the diagnostic accuracy and therapeutic impact of FDG PET/CT for the pre-operative staging of primary, recurrent and metastatic cancer.
To undertake probabilistic decision-analytic modelling (using Monte Carlo simulation).
To conduct a value of information analysis to help inform whether or not there is potential worth in undertaking further research

Authors' conclusions
Study found insufficient evidence to support the routine use of FDG PET-CT in primary colorectal cancer and only a small amount of evidence supporting its use in the pre-operative staging of recurrent and metastatic colorectal cancer. Economic evaluation showed that FDG PET/CT as an add-on imaging device is cost-effective in the pre-operative staging of recurrent colon, recurrent rectal and metastatic disease but not primary colon or rectal cancers.

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Address for correspondence
NETSCC, Health Technology Assessment, Alpha House, University of Southampton Science Park, Southampton, SO16 7NS UK Tel: +44 23 8059 5586 Email: hta@hta.ac.uk

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