



Name of journal: World Journal of Radiology

ESPS manuscript NO: 29519

Title: Metabolic PET imaging of cancer: pairing lipid metabolism with glycolysis

We thank the reviewers for their helpful reviews. Our responses are as follows:

R1. Nice, well written paper dealing on previously published topics but useful to readers of the journal.

We appreciate the encouraging feedback from this reviewer.

R2. Please give a tabulated overview of current FDG PET use and limitations, and compare head-to-head with tentative or proven limitations of the new marker/tracers. - Please give a brief overview ... in various cancers, e.g. the most frequent ones such as prostate, breast, colorectal, liver and then relate this to assessment for primary disease or metastatic disease, where will the potential be best and should the imaging use be tailored to other features (e.g. genetic profile most likely to follow a given metabolic pathway or the like?).

We have added a table that gives an overview of the studies comparing FDG to acetate/choline in various cancers, primary and metastatic. We also supplement this with added text about uses of various tracers in various situations. The other request to give a tabulated overview of the current uses of FDG PET would require an extensive literature review and exceeds the scope of this editorial. There are already several good published review articles on FDG PET, and we include one of the best as a reference (1). Although published in 2005, this referenced article in our opinion remains accurate and comprehensive about FDG PET use and limitations. The relation of PET tracers to genetic profiles is not completely understood and needs more research. We therefore cannot predict its potential but hope to encourage more research in this area.

R3. To provide the clarified data, it is strongly recommended the summary of PET traces in table with application, advantages, disadvantages...

The new table also includes the applications and relative ability vs. FDG.

R3. ... make some pieces in the body of manuscript and provide small title in each sections. (This) will be helpful to the audience.

We have divided the manuscript into sections with separate headings/titles.