Reviewer's report

Title: Tyrosine hydroxylase activity in the endocrine pancreas: changes induced by short-term dietary manipulation

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Reviewer: Dario Alessi

Level of interest: A paper of limited interest

Advice on publication: Accept without revision

The major result of this study is that the authors show that dietary manipulation resulting from feeding rats on a carbohydrate rich diet stimulates Thyroid hydroxylase (TH) in pancreatic islet cells. In my opinion the results of this study will be of limited interest, as the molecular mechanism underlying this effect has not been rigorously investigated and the relationship between catecholamine levels and reduced insulin secretion are only correlative. Nevertheless the paper is well written, the experiments presented appear to have been carried out to a high technical standard are statistically significant and therefore as I see nothing intrinsically incorrect with this work, and in accordance with the criteria for acceptance of BMC papers I recommend that it is accepted for publication

Competing interests:

None declared.