Reviewer’s report

Title: Type D personality is a predictor of prolonged acute brain dysfunction (delirium/coma) after cardiovascular surgery

Version: 0 Date: 30 Sep 2018

Reviewer: Sharon Horwood

Reviewer's report:

Q1 - there is a strong argument for avoiding dichotomisation of personality due to the decrease in variance. In determining the effect of personality on health outcomes, an arbitrary cut off point almost always ensures that there will be patients who are excluded from treatment or intervention by a single scale point. The authors could consider using a continuous model of Type D to determine the degree to which this typology may affect health outcomes (e.g. see Horwood & Anglim, 2017)

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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Yes

Are the conclusions drawn adequately supported by the data shown?
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