



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry
ESPS manuscript NO: 21340
Title: White matter alterations in anorexia nervosa: A systematic review of diffusion tensor imaging studies
Reviewer's code: 00341075
Reviewer's country: China
Science editor: Fang-Fang Ji
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Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various evaluation criteria like 'Grade A: Excellent', 'Duplicate publication', 'Plagiarism', etc.

COMMENTS TO AUTHORS

The present systematic review aims to identify findings concerning white matter fibre microstructural alterations in Anorexia Nervosa. The authors find that white matter fibre is altered in diverse areas of brain, the diversity possibly reflecting the symptom complexity of the Anorexia Nervosa. Subtle abnormalities appeared to be persistent after recovery. Introduction 1. Paragraph1 line3 "In addition to genetic, neuroendocrinologic and metabolic pathways, findings have also argued in favour of structural abnormalities." The authors could give more information of this sentence. 2. "brain gray matter (GM) and white matter (WM) might underlie altered brain function and behavior" The authors should mention why they focus on the WM not GM. 3. Paragraph5, line 7, "nnutritional"? Method 3.1. Search strategy 1. Could the authors explain why they use this three steps strategy? Is there any reason that they include an additional search in the Spanish language not other language? And why not include other database such as EMBASE, Elsevier Science Direct, Web of Science, Google Scholar or Cochrane Library? Results 4.2. Quality assessment 1. Paragraph2, line7, line10, "This was clearly described in one study, partially in two studies and not provided in



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three studies.", which repeated. Discussion 1. Paragraph6, line2,"Alterations of the posterior thalamic radiations are of special interest, as they project to the occipital, the temporal and the parietal cortex, being connected to cortical regions involved in the processing of the body image." please make this sentence clearer. 2. The authors should arrange the manuscript according to the format of the journal. Some subtitles are in different font, eg. (4. Results, 5. DISCUSSION, Summary of findings, CONCLUSION)