

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

ESPS manuscript NO: 13517

Title: Review of the genetic basis of emotion dysregulation in children and adolescents

Reviewer's code: 02445222

Reviewer's country: Germany

Science editor: Yue-Li Tian

Date sent for review: 2014-08-26 18:09

Date reviewed: 2014-09-07 22:38

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The manuscript entitled "A review of the genetic basis of emotion dysregulation in children and adolescents" is in my view timely and appropriate. The sparse evidence has been summarized; the preliminary and the inconsistencies of the findings have been adequately addressed. I have only minor stylistic points: 1. Intro p.3: "externalizing behaviors" 2. dto., 3 lines from bottom: "relatively minimal" should be rephrased 3. Discussion, p.10, 1st/2nd line: needs to be corrected/rephrased.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

ESPS manuscript NO: 13517

Title: Review of the genetic basis of emotion dysregulation in children and adolescents

Reviewer's code: 02445298

Reviewer's country: Slovenia

Science editor: Yue-Li Tian

Date sent for review: 2014-08-26 18:09

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Dear dr. Lian-Sheng Ma, President and Company Editor-in-Chief, The article "A Review of The Genetic Basis of Emotion Dysregulation in Children and Adolescents" has an original and informative. I can recommend it for a publication after the major revision. The topic is an overview to the knowledge of possible genetics of emotional dysregulation. Page 4: although is the topic about different alleles known to most readers is the explanation in paper not clear enough. Page 7: the authors should make uniform the different specifications of the cited papers about low – high alleles expresions and short – long alleles. The paper is an overview for a reader that is not so familiar with the topic as the authors. Page 7: the sentence ?For example, recent research on omega-3...?. has an illogical change of a theme from acids to the therapy. Page 8: an illogical sentence: ?The dopamine receptor D2 (DRD2)/ ankyrin repeat...? Page 9: ?CREB-regulated transcription coactivator 1 (CRTC1) an important role in gene expression related to mood disorders.? The topic needs its own paragraph. Overall: the paper is a collection of different themes. It is very difficult to follow to the main meaning. It is an excellent overview about the literature but without proper conclusions or directives for the future. I do miss the authors synthesis of their synoptic work.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Psychiatry

ESPS manuscript NO: 13517

Title: Review of the genetic basis of emotion dysregulation in children and adolescents

Reviewer's code: 02445261

Reviewer's country: Italy

Science editor: Yue-Li Tian

Date sent for review: 2014-08-26 18:09

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is, in summary, a comprehensive review paper investigating the genetic basis for pediatric-onset emotion dysregulation. The manuscript is generally well-written. The authors may find as follows my main comments/suggestions. First, the abstract is poorly structured as presented and need to be revised in order to summarize the general meaning of the main text. Also, the main objective of the present study needs to be clearly specified whereas the authors simply reported that the current literature on genetic basis of pediatric-onset emotion dysregulation is relatively minimal compared to genetics research on emotion dysregulation in adults. Importantly, the Methods section is absolutely lacking. Therefore, the search strategy used to identify relevant studies is completely unknown as well as the scientific databases in which this search has been carried out. In addition, what are the main used key words/terms of this search and the contribution of the different authors in the present manuscript are a matter of debate. How many full-text articles have been initially screened, then selected and finally included in the present review paper? How many papers have been excluded and what are the reasons for this exclusion? These information are necessary and need to be added to the revised version of the manuscript. Furthermore, Table 1 (Summary of emotion

dysregulation genetic correlates in children and adolescents) is, in the current version of the manuscript, poorly structured and presented very limited information. Conversely, the sections concerning the serotonin transporter gene 5-HTTLPR polymorphism and other genetic polymorphisms implicated in emotion dysregulation, respectively are long and difficult to follow for the general readership. I suggest to revise the main text inside these two sections and summarize all the available information using one or more Tables according to specific recorded variables. Moreover, the authors need to consider how this article really add over the other published material. They reported a series of studies with limited explanations about the mechanisms that can be involved underlying pediatric-onset emotion dysregulation. I suggest to specify more insights about the main topic to make this manuscript a useful addition to the general literature. The Discussion section needs to be seriously revised as presented. Some statements throughout this section (e.g., Current knowledge of genetic mechanisms underlying emotion regulation has been primarily based on research on adults...or some genetic variants (e.g., COMT polymorphisms have been found to exert paradoxical effects on emotion dysregulation in children...or the developing brain in the youth may further complicate genomic studies, as phenotypic features may fluctuate by age....or...the genetic component of emotion dysregulation constitutes an initial step of understanding the etiology of emotion dysregulation) require appropriate references. Importantly, the authors should report throughout the paper the main limitations of their review based on the most relevant shortcomings of the included studies about the main topic. Finally, I suggest to cite and discuss throughout the main text some relevant studies about the role of affective temperamental traits in patients with major affective disorders for the following reasons. First, affective instability/dysregulation may be also defined as an inherited temperamental trait modulated by developmental experience (Renaud SM, Zacchia C. Harv Rev Psychiatry, 2012). Also, early childhood emotional reactivity and exposure to adverse family situations may be associated with the possible emergence of chronic emotional instability and poor emotional awareness (Cole et al., Dev Psychopathol, 2009). Temperamental traits are able to explain rapid mood fluctuations/emotional instability and are useful in screening and identifying those affective disorder patients associated with a poo