

Dear Editor,

RE: **WJR-18661**, entitled "**Malformations of Cortical Development: 3T MR Imaging Features**"

Thank you very much for taking our pictorial review into consideration. Based on the Reviewer's comments we revised our manuscript and highlighted the changes with yellow.

Sincerely yours,

#### **RESPONSES TO THE COMMENTS BY REVIEWER # 713469:**

**Comment 1:** General Comments The authors present a mini-review about the Magnetic Resonance imaging (MRI) features assessing malformations of cortical development (MCD). The topic is crucial in the actual contest since MCDs include several diseases of central nervous system and the correct interpretation of these abnormalities, sometime similar in appearance, is being continuously disputed.

**Response 1:** Thanks.

**Comment 2:** The paper appears well written and structured correctly, apart from some typo errors as well as a mint of redundancy between Abstract and Core Type. The idea is not new. However, the messages are clearly reported and they could be useful for the readers. It could constitute a dynamic, smart guide for the radiologists. The review could be of value,

**Response 2:** The manuscript carefully re-inspected, and typo errors were fixed. The section of "core type" re-designed according to the reviewer's suggestion.

**Comment 3:** Positive comments and minor essential revisions 1. The manuscript has been structured properly, according to the aim of the study. 2. References: they have been collected and mentioned appropriately but #9 is inappropriate. 3. The authors have not mentioned about the potential effectiveness of using upgraded modalities, among the others, MRS, functional MRI, though cited in the introduction). In fact, a more extensive discussion/conclusion section would be of value, encompassing information (few) on etiology and symptoms for each disease. Definitely, the whole review appears to be descriptive enough of the individual cases which are not developed in the discussion.

**Response 3:** The 9<sup>th</sup> reference removed from the manuscript, according to the reviewer's suggestion. About the advanced MRI sequences and techniques, full of novel information were added into the new section (ADVANCED MR IMAGING in MCD).

#### **RESPONSES TO THE COMMENTS BY REVIEWER # 2835933:**

**Comment 4:** The paper of Battal et al reviews the MR features for the study of cortical development malformations. The work is well written and contains high-quality images. However, I suggest to insert additional informations of the potentialities of the new perspectives and developments as the one just mentioned, mainly fMRI and MRS.

**Response 4:** According to reviewer's comment, about the advanced MRI sequences and techniques, full of novel information were added into the new section (ADVANCED MR IMAGING in MCD).