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OPEN PEER REVIEW

Radiological Significance of Symmetric Central Tegmental Tract Hyperintensity in Pediatric Patients

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SUBMITTED	REVISED	ACCEPTED	DOI
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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

4 comments · 14 Aug 2020 – 31 Aug 2020

Referee 1 Reviewer

MINOR REVISION 14 Aug 2020

Hi
The design of this study is merely descriptive, and it is relatively appropriate methodologically. Overall, it needs minor revision as follows:
1. The abstract must be written according to the journal guidelines.
2. The design of this study is a case series and must be mentioned in the abstract and the Methods section of the full text. Moreover, inclusion and exclusion criteria must be added.
3. Statistical analysis must be added in the last paragraph of the Methods section.

Referee 2 Reviewer

MINOR REVISION 18 Aug 2020

Dear authors
I reviewed your manuscript, entitled "Radiological significance of symmetric central tegmental tract hyperintensity in pediatric patients". I agree that the significance of this finding is not clear and further studies are necessary. I have some comments regarding your manuscript.

1- Please explain more about the physiology, function, and anatomy of CTT, for example, its connection to the red nucleus, etc.
2- In the conclusion of the abstract, please mention that, according to your study, CCTH could be a transient finding.
3- There are a few writing mistakes to be corrected. For example, the number 2,5 should be changed to 2.5.
4- The format of the article should follow the requirements of the Iranian Journal of Radiology.
5- In the Table, use "none" and "no" instead of leaving cells blank.

Associate Editor

MINOR REVISION 30 Aug 2020

The manuscript tells readers that the significance of central tegmental tract hyperintensity is unclear and that it may have a wide range of etiologies or may be merely an incidental finding. There are many reports in the literature about this MRI finding, and as you report an incidence of about 1.4% in daily pediatric CNS reports, it could be a relatively common, challenging problem for pediatric radiologists in tertiary hospitals. It may be helpful and necessary to revise the manuscript to include more basic information about the anatomy of this tract, using schematic figures, its function in a normal person, the time of myelination, etc.

Editor-in-Chief

MAJOR REVISION 31 Aug 2020

Dear authors,
Your article needs Major Revision.
Regards

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Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reply to Reviewers

Reviewer 1:

1. Abstract must be written according to journal guideline.
R: Abstract has been corrected according to the guideline, background and objective parts were seperated.
2. The design of this study is case series and must be mentioned in the abstract and full-text method. Moreover, inclusion and exclusion criteria must be added.
R: Type of study has been mentioned as case series and criterias added.
3. Statistical analysis must be added in last paragraph of method section.
R: Statistical analysis has been added

Reviewer 2:

1- please explain more about the physiology, function and anatomy of CTT. For example its connection to red nucleus and etc.
R: CTT anatomy details and schematic figure have been added.
2- in conclusion in abstract, please mention that according your study CCTH could be a transient finding
R: CTTH’s transient feature has been mentioned.
3- there are few writing mistakes to be corrected for example, number 2,5 should be changed to 2.5.
R: Writing mistakes have been corrected.
4- The format of article should be according to Iranian journal of Radiology
R: The format has been corrected according to the guideline.
5- in Table, use "none" and "no" instead of leaving them blank.
R: The blanks in Table hav ebeen changed.

Associate Editor's Comments: It may be helpful and necessary that manuscript revised according to more basic information about anatomy of this tract with using schematic figures , function of tract in normal person , time of myelination ,etc.
R: CTT anatomy details, schematic figüre and time of myelination have been added.

Thank you very much for your valuable comments, evaluations and contributions.

Best regards.

Dr. Uğur KESİMAL

2 Revision 1

3 comments · 10 Sep 2020 – 16 Sep 2020

Referee 1 Reviewer

ACCEPT 10 Sep 2020

Hi
At present, this manuscript is acceptable and ready for publication in terms of its methodology.

Associate Editor

MINOR REVISION 15 Sep 2020

It is nearly ready for publication in IJR but requires a recheck for minor errors in grammar or dictation, as mentioned by the reviewer.

Editor-in-Chief

MINOR REVISION 16 Sep 2020

Dear authors,
Your article needs Minor Revision.
Regards

3

Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reply to Reviewers

Reviewer 2:

1- Just the word "objektive" should be corrected to objective.
R: The typo corrected.

Thank you very much for your valuable comments, evaluations and contributions.

Best regards.

Dr. Uğur KESİMAL

3 Revision 2

1 comment · 23 Jan 2021

Editor-in-Chief

MINOR REVISION 23 Jan 2021

Dear authors,
Your article needs Minor Revision.
Regards

4

Revision 3

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reply to Reviewers

Associate Editor 2:

1-In the affiliations, please add hospital name if applicable.
The hospital names have been added.
2- In the abstract, what do you mean by patients' charts?
It means data of the patient's that include in the electronic records.
3-In the introduction, what do you mean by "first age"?
It means patient's first year of age
4-Please add objectives to the manuscript.
The objective is added to the introduction.
5-In 2.3. Statistical analysis, the manufacturer seems wrong, please check and revise.
Manufacturer name was corrected.
6-In 3.2. Imaging findings, please add correct and complete characteristics of the manufacturer.
Manufacturer name was added in this section.
7-In the discussion, "We had patients ranging from 8 days old to 17 years old, with the majority being younger than 8."
Is it 8 years? Please revise the manuscripts and add the unit after numbers similar to this that have no unit mentioned for them.
The unit was added.
8-In figure1, the writing on the image has an error in spelling. It should be "inferior". Please correct and resend the image.
The spelling erros was corrected.

Thank you very much for your valuable comments, evaluations and contributions.

Best regards.

4 Revision 3

2 comments · 30 Jan 2021 – 30 Jan 2021

Associate Editor

ACCEPT 30 Jan 2021

Accept

Editor-in-Chief

ACCEPT 30 Jan 2021

Dear authors,
Your article is acceptable for publication in IJR.
Regards