Author’s response to reviews

Title: MR Imaging Features of Orbital Langerhans Cell Histiocytosis

Authors:

chunnan wu (wuchunnan_516@163.com)
xuetao Mu (muxuetao091@163.com)
yan Hei (heiyan842@163.com)
pengyu lan (shiyuen07@163.com)
kuncheng li (cjr.likuncheng@vip.163.com)

Version: 4 Date: 27 Aug 2019

Author’s response to reviews:

Response to the comments:
Anton Lennikov, M.D., Ph.D. (Reviewer 3): Manuscript BOPH-D-19-00089R3 "MR Imaging Features of Orbital Langerhans Cell Histiocytosis" by Wu et al. have significantly improved following the revisions. Authors sufficiently answered to the raised criticism by editing the text and figures. The manuscript language requires additional corrections, not in terms of grammar or spelling, but the usage of scientific language, please see below:

Many thanks for your comments, and I learned a lot.
"As for the orbital LCH, literature mostly reported on the treatment, and only described several imaging manifestations simply. And that, most of them were in the form of case reports, or the number of cases was less than ten [11,12]." Suggest to rephrase this sentence to: "As for the orbital LCH, literature mostly reported on the treatment in the form of case reports, or the number of cases was less than ten with imaging data being limited [11,12]."
Response:
In the revised manuscript, we have rephrase this sentence.
"To the best of our knowledge, we didn't find the studies mainly about the MRI performance of orbital LCH." Suggest replace the words "mainly about" to "focused" or "mainly focused": To the best of our knowledge, we didn't find the studies focused on MRI performance of orbital LCH.
Response:
In the revised manuscript, we have rephrase this sentence.
"HE staining was conducted according to routine protocols [13]. IHC staining was performed using S - 100(Biocare, Britain) at 1:150 dilution, CD 68(Zeta, America) at 1:200 dilution and CD1a (Epitomics, America) at 1:200 dilution. " - Please provide lot numbers of the antibody used, please provide the reference to the standard IHC protocol used or describe it including section thickness, re-hydration, incubation times etc.
Response:
In the revised manuscript, we add the information of IHC.
...and, the mean age at presentation was 6.3 years. - please remove second ".”
Response:
In the revised manuscript, we have corrected it.
"If there is a recurrence, the patients will need for systemic chemotherapy." - Please rephrase as: "In case of the recurrence patient may require systemic chemotherapy."
Response:
In the revised manuscript, we have rephrase this sentence.
In our group, all 23 cases underwent surgery resection - surgical resection
Response:
In the revised manuscript, we have corrected it.
The course of the disease was shorter; there were 15 cases that lasted less than one month and 5 cases that lasted approximately two months. - Please elaborate lasted until what endpoint? Diagnosis? Surgery? Patient recognizing the symptoms?
Response:
In the revised manuscript, we add the informations.
About the MRI signal of orbital LCH, based on our analysis - Based on our MRI observations
Response:
In the revised manuscript, we have rephrase this sentence.
Under the microscope, - Histological observations of pathological material revealed
Response:
In the revised manuscript, we have rephrase this sentence.
And these specific manifestations have not been reported in previous literature. - These specific MRI manifestations have not been previously reported.
Response:
In the revised manuscript, we have rephrase this sentence.
"Birbeck granules" can be found under the electron microscope, which is the gold standard for diagnosing LCH. - Please note here that EM may not be widely available for clinical purposes and MRI and biopate IHC findings are most available methods for LCH diagnostics. This signifies the importance of the current findings as MRI is widely available in clinical practice and the non-invasive method of diagnostic.
Response:
In the revised manuscript, we add the informations.
"There were some drawbacks in this study, and the diffusion-weighted magnetic resonance imaging (DWI) and dynamic enhanced scanning were not added. Since only some patients were collected on DWI, the data was incomplete. However, DWI and dynamic enhanced seems don't have the characteristic that can be helpful for LCH diagnosis." - Please rephrase as limitation of this study, i.e., "The limitation of the current study is that only some patients from the study group had data available for diffusion-weighted magnetic resonance imaging (DWI) and dynamic enhanced scanning; these results were not included in the current study. However, from the partial datasets available (data not shown), it appears DWI, and dynamic enhanced scanning doesn't have the characteristic that can be helpful for LCH diagnosis.
Response:
In the revised manuscript, we have rephrase this section.