Author's response to reviews

Title: Oligodendroglioma of the ciliary body: Case report and a review of literature

Authors:

Qing Guo (guoqing-925@163.com)
Jie Hao (haojie313@126.com)
Shou bin Sun (sunshou96175@163.com)
Shou ping Xu (vipdon@126.com)
Qian Yang (yangqian96175@163.com)
Qi liang Guo (llqbb@sohu.com)
Guo dong Cui (52498334@qq.com)

Version: 3 Date: 9 September 2010

Author's response to reviews: see over
Dear Miss Gabriella Anderson

Thanks you very much for your comments and suggestions.

We have revised the manuscript, according to the comments and suggestions of reviewers and editor, and responded, point by point to, the answers to the questions as listed below.

Replies to Gabriel Zada

Why do the authors limit the relevant literature review to only China?
1. “there are only a few reported cases in China…” Same comment—why do the authors not report on the history of this tumor in the entire literature?

Answer:
As the references retrieved were incomplete, we have revised it as follows:

To our knowledge, the oligodendroglioma of the retina [1-2] and the ciliary body astrocytoma [3-6] have been reported in the literature, but the oligodendroglioma of the ciliary body has not been reported, nor is there an analysis of the possible origins of this lesion.
Case Presentation

1. Did the authors perform chromosomal/molecular analysis of 1p/19q deletions on the tumor? This is an important histopathological factor for oligodendroglioma.

**Answer:**

Chromosomal/molecular analysis of 1p/19q for oligodendroglioma in ciliary body may take a leading role for the prognosis, we intend to perform chromosome analysis for the patients and his family to explore the genetic changes and pathogenesis of this tumor in ciliary body.


**Answer:**

The patient has been in good physical condition so far with a follow-up every six months. Ki-67 chromosome takes a significance role for prognosis. It is a nuclear protein, its increased expression is related to the high proliferative activity of cell [1]. When the Ki-67 index \(<2\), the patient can get a long-term survival, and when Ki-67 index \(\geq 5\%\), the survival time will be shortened significantly. The Immunohistochemistry results showed Ki67 index \(<2\%\) in this patient. Furthermore, the tumor was located in the ciliary body, the enucleation was applied with complete removal of tumor.
for its unique location. Hence, the radiotherapy or chemotherapy for this patient was not administrated postoperatively but a follow-up.

Discussion

1. “especially in the parietal lobes (69% in the frontal lobes and up to 20% in the temporal lobes)” The word parietal is incorrect here. 0ligos are most commonly encountered in the frontal and temporal lobes.

   Answer: The date has been revised in manuscript.

2. “This knowledge may ultimately lead to novel approaches to treatment of numerous degenerative diseases such as retinitis pigmentosa, the advanced stages of glaucoma, age-related macular degeneration, and optic nerve atrophy.”

   Please elaborate. Why is this true or proposed by the authors?

   Answer:

   It is possible for stem cell derived from retinal ciliary epithelial to be of good differentiation and maturation and to replace the dead retinal neurons when transplanted into eye. Furthermore, the ciliary retinal stem cells in the environment of retina growth and development have more retinal cell differentiation potentia than the other f stem cells or progenitor cells for retinal transplantation.
3. Please provide a better literature review of oligodendroglioma and other gliomas located within the eye, and ciliary body in particular, in the discussion.

**Answer:**

Sorry, as the glial cells tumors originated in the ciliary body is rare, we can retrieve no more references but you provided.

Replies to fable Zustovich

I did not find the review of the literature, is that the first case reported? If yes the title should be changed, if not a table with all the previous published cases should be included.

**Answer:**

Title of manuscript has been changed to “Oligodendroglioma of the ciliary body: a unique case report and the review of literature” to make it more clear and smooth.

An analysis of 1p19q deletion would be very interesting to know as a prognostic factor in cerebral oligodendrogliomas.
Answer:

Chromosomal/molecular analysis of 1p/19q for oligodendroglioma in ciliary body may take a leading role for the prognosis, we intend to perform chromosome analysis for the patients and his family to explore the genetic changes and pathogenesis. of this tumor in ciliary body

Looking forward to hearing from you soon.

With kindest regards,

Yours Sincerely

Qian Yang