**Reviewer's report**

**Title:** Emerging (val)ganciclovir resistance during treatment of congenital CMV infection: a case report and review of the literature

**Version:** 0  **Date:** 31 Jan 2017

**Reviewer:** Shripada Rao

**Reviewer's report:**

It is a well written manuscript and worthy of publication.

It needs few corrections for grammar and sentencing, especially in the abstract section.

**Abstract:**

1. Please replace the word 'Newborns' with "Newborn infants".

2. "A treatment duration of 6 months has shown more benefits in terms of outcome that shorter courses".

A better sentence is "treatment duration of 6 months has been shown to be more beneficial than shorter courses"

3. "Congenital cytomegalovirus (cCMV) infection is an important illness that is a common cause of hearing loss in newborns and a major cause of disability in children".

Instead a better sentence is "Congenital cytomegalovirus (cCMV) infection is a common cause of hearing loss in newborn infants and a major cause of disability in children"

4. Conclusions: There were few cases in the literature reporting resistance to ganciclovir for cCMV before the new recommendations for a 6 months treatment course for this infection were published. As we see in the case of our patient, surveillance with periodic viral loads and drug monitoring are vital to identify emerging resistance and optimise antiviral dosing in line with weight changes.

A better sentence is

"Surveillance with periodic viral loads and drug monitoring are vital to identify emerging resistance and optimise antiviral dosing according to weight gain".

5. Please give details of developmental milestones achieved so far. Is the infant on hearing aids?

6. It is important to mention that ganciclovir is given intravenously.
7. There are few minor grammar and sentence issues that need addressing.

8. Please add information that simple precautions such as hand hygiene can prevent the development of congenital CMV. Even though it may not be directly relevant to your case report, it is important to spread this message at every opportunity.

It is important to advise women who are pregnant or planning on pregnancy on the following preventative strategies to reduce the risk of congenital CMV to their fetus:

- Wash hands after wiping a child's nose,
- Wash hands after changing a wet nappy,
- Wash hands after changing a dirty nappy,
- Do not share food with your child (take bites from the same food),
- Do not share eating/drinking utensils with your child,
- Do not put a pacifier in your mouth after it has been in your child's mouth,
- Do not kiss your child on the lips.

Many health care professionals are not aware of these simple strategies.

References:


Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes
Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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