Author's response to reviews

Title: Age-related increases in parathyroid hormone may be antecedent to both osteoporosis and dementia

Authors:

Eric R Braverman (pathmedical@aol.com)
Thomas JH Chen (tjhchen@yahoo.com.tw)
Amanda LC Chen (tjhchen@yahoo.com.tw)
Thomas J Prihoda (PRIHODAT@uthscsa.edu)
Vanessa Arcuri (vanessaarcuri@yahoo.com)
Mallory M Kerner (mallory.kerner@gmail.com)
Anish Bajaj (dranishbajaj@gmail.com)
Javier Carbajal (javishoebox@aol.com)
Dasha Braverman (dashatotalhealthnutrients.com)
B William Downs (billdowns001@comcast.net)
Kenneth Blum (drd2gene@aol.com)

Version: 6 Date: 26 July 2009

Author's response to reviews:

26 July 2009
Re: MS: 1855586933222377 Formatting Changes

To Whom It May Concern:

Thank you for accepting our manuscript for publication. We have made the required formatting changes and updated some of the references and content. The changes are outlined below:

1. Authors’ contributions, page 17: A statement was added that all authors read and approved the final manuscript.

2. References:

   1. Reference 5 was fixed and added later in the manuscript, as reference 14, mentioned in the statement “… and the National Osteoporosis Foundation lists hyperparathyroidism as a risk factor for osteoporosis” on the end of paragraph 3 on page 4

   2. The actual reference 5 on the current manuscript is now mentioned in the first paragraph on page 4, to discuss the last studies on auditory evoked potentials in relation to PTH levels.

   3. Reference 10 was removed. The discussion of the effects of teriparatide is now done in the second paragraph of page 3, and reference 8 is now cited.

   4. Reference 13 has been fixed and is now reference 12. It is first cited on the third paragraph on page 4.
5. Reference 17 has been fixed, and is now reference 18, first mentioned on page 6.

6. Reference 29 has been removed. A new article is now used to cite the fact that PTH crosses the blood brain barrier, this is now reference 26 and is first cited on page 14. References 27 and 28 have also been added shortly after, to describe the potential harmful effects of calcium overloading due to elevated PTH and hyperparathyroidism.

7. What was previously reference 30 (Gu et al) has been removed.

8. References 35-41 have also been added, with concluding remarks on the systemic impact of this field of research for osteoimmunology and neuropsychosteology. These remarks begin in the conclusion on page 16, in the paragraph “The relevance of this research...”

3. Figure title – image files have been renamed to not include the figure titles.

4. Ranges are no longer used to describe the tables. Each table is individually discussed.

5. Horizontal lines have been removed from the title page.

6. All departments have been added.

7. An email address list has been added to the title page.

8. Keywords have been removed

9. Introduction has been renamed to “background”

10. Competing interests now appear before the authors’ contributions.

Please let me know if there is anything else that needs to be done for this manuscript to be published. We look forward to publishing in your journal.

Sincerely,

Kenneth Blum, Ph.D. (corresponding author), on behalf of all authors.