An Open Letter to the Editor of the NEJM

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Prolog

Recently, an article appeared in the NEJM that contained numerous misstatements of fact and outdated and erroneous nomenclature (1). We submitted a Letter to the Editor pointing these out, adhering to the 175-word and three-author limits imposed by the NEJM. Shortly thereafter, we were informed that, “Because of the limited availability of space” they would not be able to print our letter. The following email was sent to the NEJM:

“It is unfortunate that you have chosen to allow an article, published in the NEJM, that is so wrong in so many ways to stand uncorrected. Perhaps the NEJM should consider providing (as other Journals do) an electronic forum where "space" would not trump good science.”

In the interests of correcting the errors introduced into the literature by a paper published in such a prestigious Journal, we are herein publishing our Letter, based on the original version (unpruned to save space and including all four original authors). We do hope that the NEJM takes our advice and, as many other Journals have already done, provides a digital forum where science can be properly discussed, unencumbered by space limitations. Until that time, perhaps
the small amount of space required for the link to this Letter (provided below) could be found in
the next issue of the NEJM; we are sure the NEJM readers would be appreciative.

TO THE EDITOR: We read with great interest the article “Horizontal Pendular Nystagmus in a
Patient with Ocular Albinism” in the “Images in Clinical Medicine” section (1). We wish to
point out a patently incorrect statement made at the conclusion, i.e., “When there is macular
involvement, the eye constantly searches for a clear image, causing the pendular nystagmus.”

The past 45 years of Infantile Nystagmus Syndrome (INS, aka Congenital Nystagmus, CN (2))
research demonstrated that: 1) nystagmus waveforms of ocular albinism patients are no different
from those without an associated visual deficit (3-9); 2) INS is not caused by visual deficits but
by a high-gain instability in the smooth-pursuit subsystem (10-12); 3) INS is present during
fixation attempt with closed eyes or in darkness (i.e., no “clear image” to search); 4) INS has
been documented at birth in some patients, long before they began to attempt fixation; and 5) the
amplitude of INS oscillation can be modulated by attention, stress, and importance of visual
tasks (13-15).

Therefore, it is incorrect and misleading to state that INS was caused by “searching eye
movements” in their ocular albinism subject. The simplistic presumption of two types of INS,
one “sensory” and one “motor” is not only erroneous but also was never intended by David
Cogan, to whom it has been attributed (10). It has explicitly been refuted in ocular albinism (16).
Finally, pendular nystagmus is not “characterized by rapid saccades,” the hallmark of jerk
nystagmus, which the video clearly shows, despite the paper’s title and the patient’s albinism.

REFERENCES
1. Teitel AD, Rubin J. Horizontal pendular nystagmus in a patient with ocular albinism. N

2. CEMAS_Working_Group. A National Eye Institute Sponsored Workshop and
Publication on The Classification of Eye Movement Abnormalities and Strabismus
Institutes of Health, National Eye Institute: Bethesda, MD.


Citation

Although the information contained in this paper and its downloading are free, please acknowledge its source by citing the paper as follows:


Author Response and Correspondence

In keeping with tradition and in the interest of fairness, the authors of the paper in question are invited to respond if they choose to avail themselves of this less-restrictive, electronic forum for an unfettered discussion of science.

Dear Dr. Dell'Osso,

Thanks for your letter. We would not presume (as a rheumatologist and medical student at the time of image submission) to have substantial knowledge in this area. The clinical image section of NEJM is aimed at the practitioner who, as we did, encounters unusual physical findings. We discussed with ophthalmologists at our institution (who may well not be experts in the area) and reported their interpretation of the patient's findings. We certainly appreciate your comments.

Thanks,
Ariel

Dear Dr. Teitel,

It is unfortunate that you and your coauthor were put in that position. The fault, and my real problem with publication of the paper in the NEJM, is the failure of the NEJM to have it properly reviewed by someone who is an expert in the field. The propagation of misinformation in a respected Journal, and their refusal to allow it to be corrected, is anathema to both good science and a reputable scientific Journal (especially one that claims to be the best). Incidentally, the NEJM even refused to provide a link to our Letter in their next issue; that substantially diminishes their claim that it was a lack of "space" and not its content that precluded publishing our Letter.
I am sorry that you, as the authors, are now associated with that paper. It is also too bad that the ophthalmologists at your institution still believe, and presumably are still teaching their residents, such nonsense. Several years ago I was invited to present a lecture on INS to the ophthalmology residents at Columbia; perhaps the faculty and residents of the New York Medical College need to bring their knowledge of this subject up to date also.

Would you like me to either post your response below or add an addendum to the Letter on our web site explaining the facts below? It is certainly not my intention to point the finger at you, given the circumstances. Let me know your preference.

LF Dell'Osso, PhD

Hello Dr. Dell'Osso,

You can either post the letter or an addendum-however you prefer. I'm sure the residents would be happy to hear a lecture from you-our problem is funding-lack thereof.

Thanks,

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