Reply to Reviewer's Comments on "EEG Waveform Analysis of P300 ERP with applications to Brain Computer Interfaces"

•	ver for pointing out relevant issues in our manuscript. how we dealt with each raised issue.
	REVIEWER #2 ROUND 2 - TRANSCRIPT:
points that could benefit from a subject, it appears to be the ca to either assuming that the P30 of this assessment is restricted trials. This should at least be d 2) The write-up on the activation should not be required to consurable Also, perhaps I am missing some superimposition of a selected P of Riccio, doesn't the original contrast the detection performa 3) As indicated in my initial sunclear. The value of BCI in a 2003). The reference cited in su	many of my concerns regarding this manuscript. There are however a few clarification. ddressed the issue of having just a single null-EEG stream from a single se still that a single P300 ERP template is being used. This would seem to is generally invariant across trials (which is unlikely) or that the result to the case in which the ERP response of interest does not vary between iscussed as a limitation in the conclusion section of the manuscript. We modality section is currently slightly vague. For instance, the reader alt Riccio et al. 2013 to obtain information on what "feedback" constitutes the thing, but I am slightly confused as to why pseudo-real datasets involving 300 waveform template are being constructed here. If this is a replication stream itself contains naturally occurring P300s which the authors could not of their selected classification methods of choice on? summary section, the value of this work to the clinical community remains clinical work has a long and well-established history (e.g., Neuper et all apport of this in the response document (Chavarriaga et al., 2017) focuses independent BCI use by intended end users which the current study does
General Comments	
The authors have addressed a points that could benefit from o	many of my concerns regarding this manuscript. There are however a few clarification.
We thank the Reviewe	r for
subject, it appears to be the ca to either assuming that the P30 of this assessment is restricted	ddressed the issue of having just a single null-EEG stream from a single se still that a single P300 ERP template is being used. This would seem to the case in which the ERP response of interest does not vary between iscussed as a limitation in the conclusion section of the manuscript.

We apologize for this mistake. We definitely selected an incorrect wording because the message that we aimed to convey was exactly the opposite. We have modified the abstract to emphasize the message and the idea that we failed to transmit in our original manuscript.
2) The write-up on the active modality section is currently slightly vague. For instance, the reader should not be required to consult Riccio et al. 2013 to obtain information on what "feedback" constitutes. Also, perhaps I am missing something, but I am slightly confused as to why pseudo-real datasets involving superimposition of a selected P300 waveform template are being constructed here. If this is a replication of Riccio, doesn't the original stream itself contains naturally occurring P300s which the authors could contrast the detection performance of their selected classification methods of choice on?
These important references were added to the manuscript. Thank you for pointing them out.
3) As indicated in my initial summary section, the value of this work to the clinical community remains unclear. The value of BCI in clinical work has a long and well-established history (e.g., Neuper et al. 2003). The reference cited in support of this in the response document (Chavarriaga et al., 2017) focuses on the challenges of long-term independent BCI use by intended end users which the current study does not seem to focus on.