

Dear Arno,

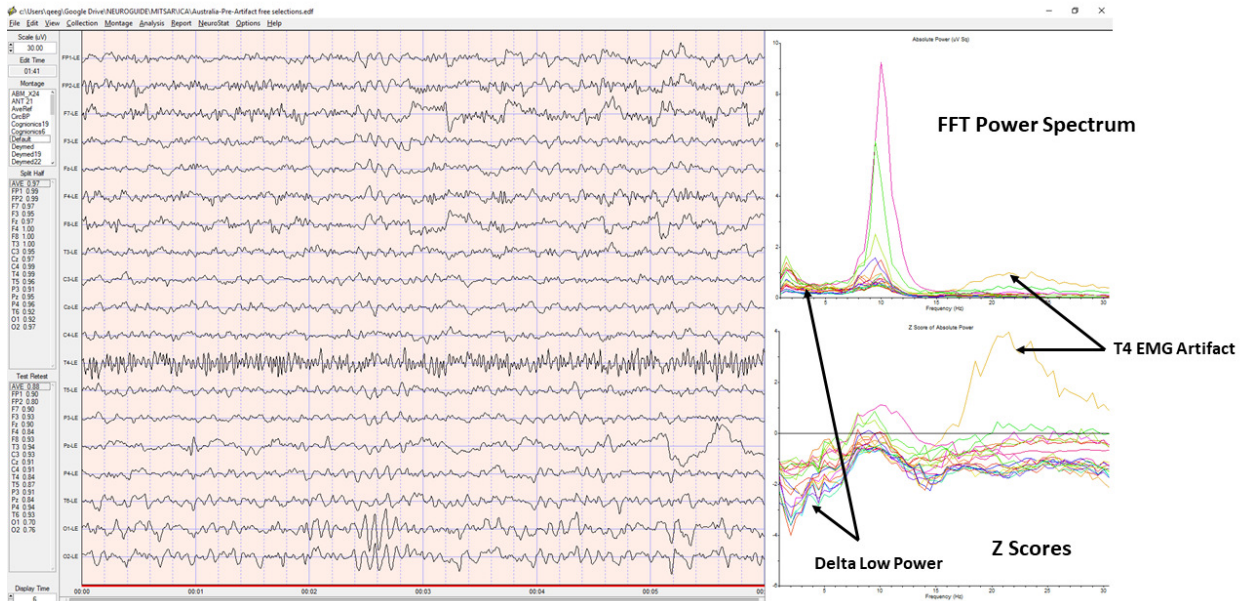
Thank you for your diligence and hard work. We are both busy with this important issue and I think the time that we are spending on this is helpful and educational. You state "I find it hard to believe all of the plots ..... compared artifact free regions of data." I am attaching an EDF file of the hand edited EEG data where I delete eye movement artifact (1 min & 41 seconds – see the attached edf file. There was EMG artifact in T4 but this is not the issue since you and the Australian clinicians only used ICA reconstruction after eliminating the eye movement component to reconstruct a new time series. It appears that the difference in the delta band in your pdf is because the patient had low delta to begin with and the ICA reconstruction increased power in delta. This is clearly evident in the attach images and in the edf files.

As for the argument about multiple comparisons, about 75% of the absolute power of frequency band comparisons were statistically significant. I have not compared differences in the number of statistically significant differences between power vs coherence or phase differences, etc. Suffice it to say many more than 5% statistically significant differences are present in all of the metrics.

Thank you again and best regards,

Bob

**No Evidence of Eye Movement Artifact – the Percent Difference Between this Eye Movement Artifact Deleted Record and the ICA Reconstruction is Because there is Low Amplitude Delta Rhythms in the Frontal Lobes of this Patient**



**Post-ICA Reconstruction – Delorme Resulted in Less Power in the Delta Frequency Band in the Frontal Lobes than there is in the Hand Edit of the Original EEG Record – this is why the Percent Difference Topographic Maps Show Red**

