

P01-421

RELATIONSHIP BETWEEN PREFRONTAL CORTEX BLOOD FLOW AND MAYER WAVE DURING THE PERFORMANCE OF THE ORIGINAL VERSION TRAIL MAKING TEST

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Objectives: We measured Mayer wave in the prefrontal cortex during the performance of original version TMT by multichannel NIRS using sensitive for detecting changes of oxyHb.

Methods: Sixteen healthy student volunteers performed four different screens of TMT-A, and then two different screens of TMT-B.

Results: Mayer wave changed while in the prefrontal cortex during the performance of TMT-A and TMT-B. The changes were prominent during the TMT performed. Mayer wave changed in the rear prefrontal cortex during TMT.

Additional measurements and to present a detailed database.

Conclusion: Mayer wave reflects brain activity. You should consider in more detail.