

QUANTITATIVE EFFECTS OF AUDITORY STIMULATION ACCORDING TO THE TOMATIS METHOD

marine de Vandeul¹, Jean Vion-Dury², Jacques Grapperon², Jozef Vervoort², and Tantely Razafimahefa²

¹Laboratoire PRISM

²Affiliation not available

November 04, 2019

Abstract

Objectives

To determine the quantitative effects of an Tomatis auditory stimulation method using of clinical measures of hearing and cognitive P300 evoked potentials.

Method

Seventeen patients were included in this study. Nine patients received 100 non-consecutive hours of auditory stimulation, in the form of a personalized program. Eight control subjects did not receive any auditory stimulation. The patients were subjected to a listening test and cognitive auditory MMN (Mismatch Negativity) and P300 evoked potentials test before and after stimulation. The control group was subjected to two distant listening tests (without any interim auditory stimulation). The average time between the two tests was quite similar to that of the patient group. The clinical effects of this form of auditory stimulation were ascertained on the basis of a multiple-choice questionnaire.

Hosted file

Article Marine de Vandeul vf.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

Figure 1 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

Figure 2 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

table 1 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

Table 2 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

Table 3 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

table 4 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>

Hosted file

table 4 MdV.docx available at <https://authorea.com/users/720504/articles/705287-quantitative-effects-of-auditory-stimulation-according-to-the-tomatis-method>