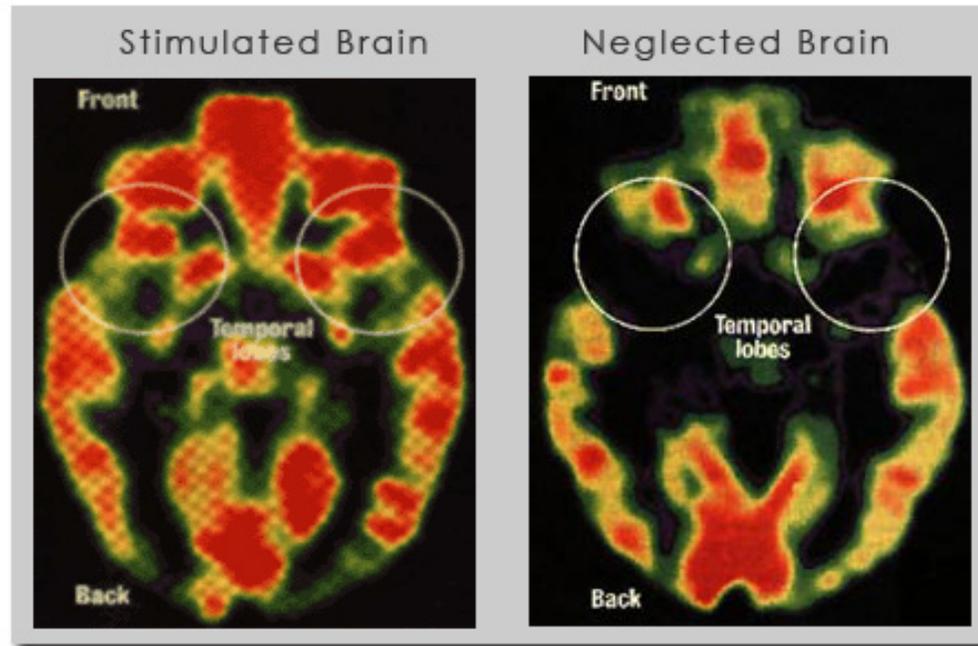


Introduzione all'indirizzo di

Neuroscienze Cliniche



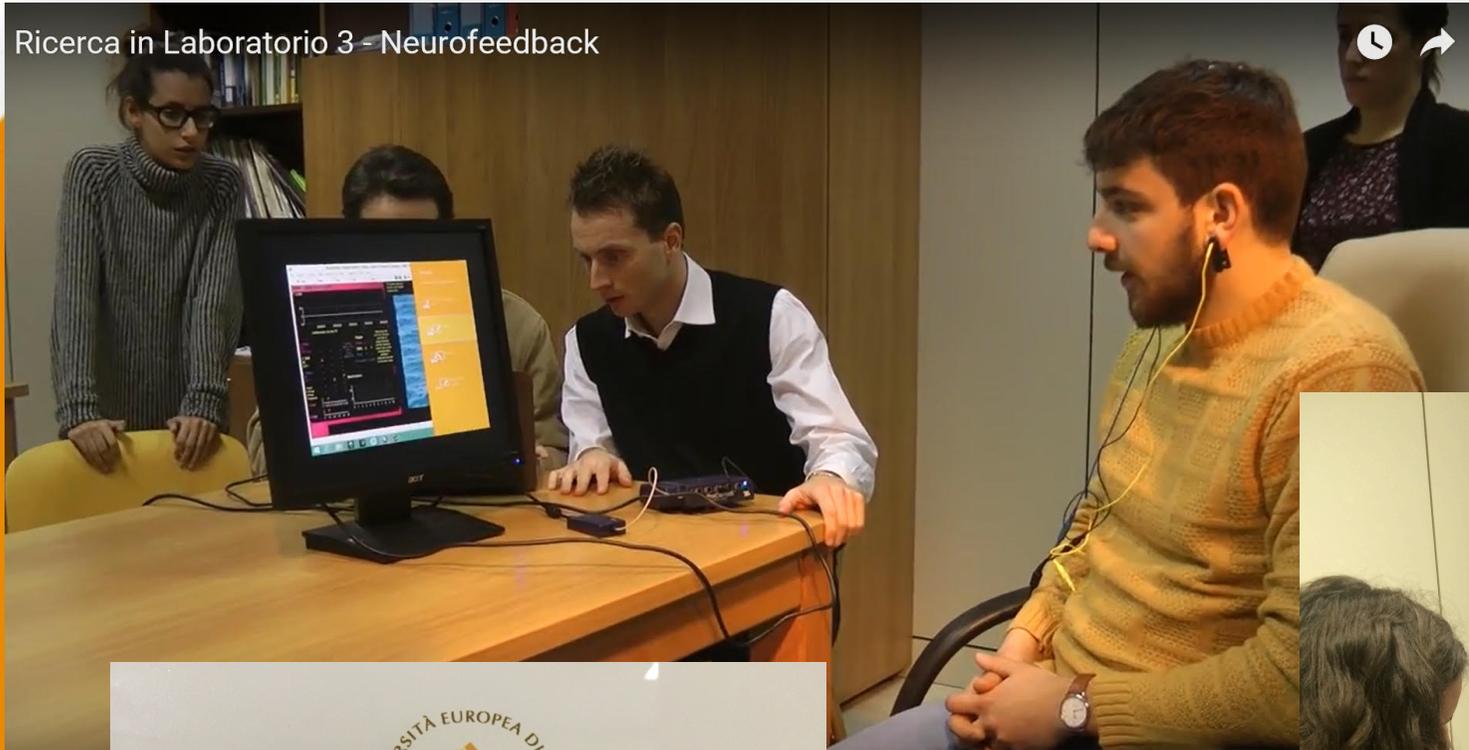
Università Europea di Roma

Le neuroscienze sono utili alla clinica



Il laboratorio dell'Università Europea di Roma

Ricerca in Laboratorio 3 - Neurofeedback

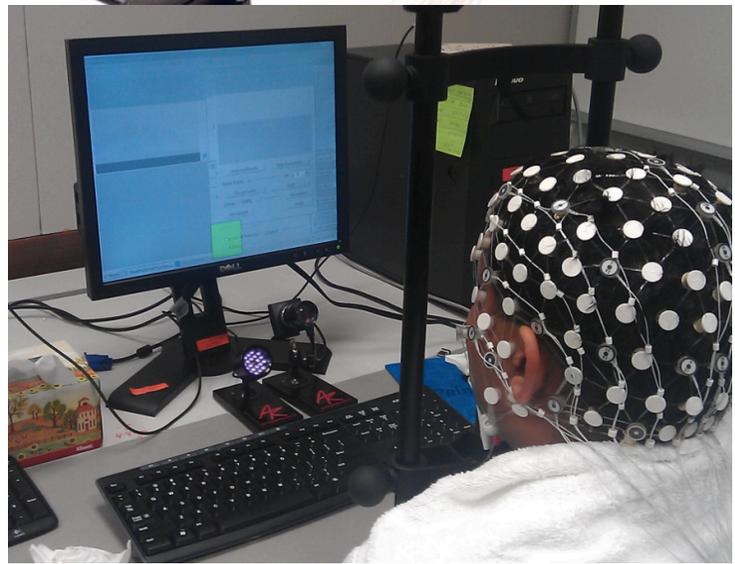
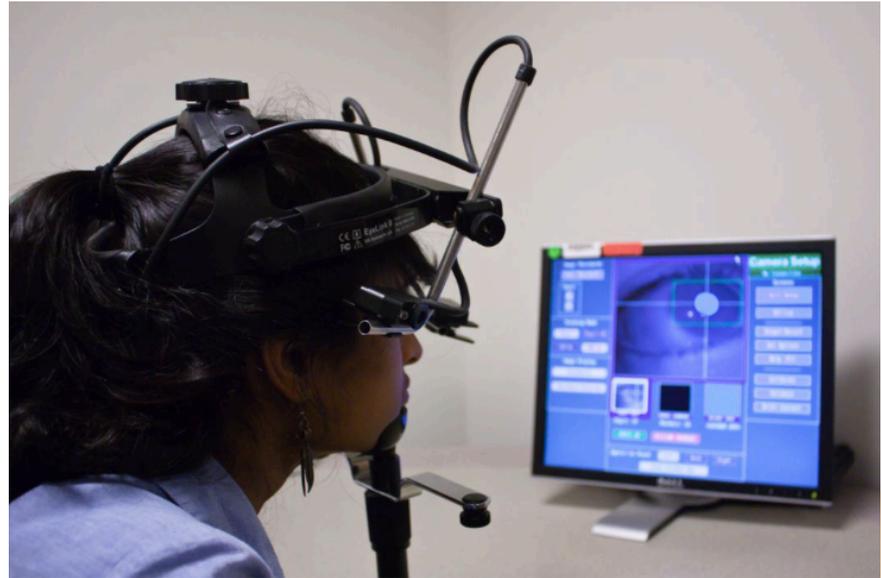


UNIVERSITÀ EUROPEA DI ROMA

LABORATORIO DI PSICOLOGIA



Il laboratorio dell'Università Europea di Roma



Lo studio dei processi normali e patologici del sonno

Light sensor

Event Marker



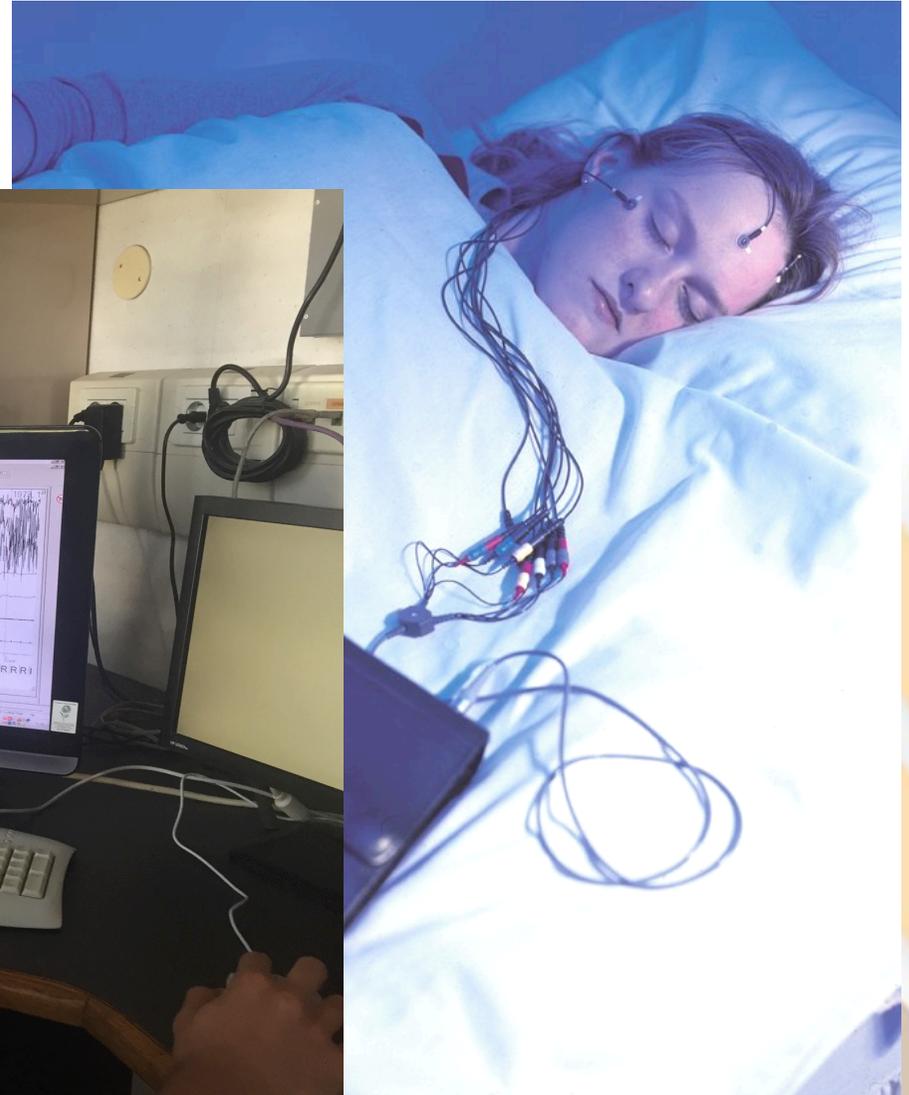
User ID: 626-28	Start: martedì 29 settembre 2015.	Select All	Select Day(s)	Select Any
Motion epoch: 60 sec	Date of Birth: 29/09/2015			

Drag the mouse over a period in the graph to zoom in or analyse





Lo studio dei processi normali e patologici del sonno





Lo studio dei processi normali e patologici del sonno

Behavioral Sleep Medicine, 11:1-17, 2013
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DOI: 10.1080/15402002.2013.801346



Heart Rate and Heart Rate Variability Modification in Chronic Insomnia Patients

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Serena Dittoni, Salvatore Colicchio, Elisa Testani, Anna Losurdo,
Valentina Gnoni, and Chiara Di Blasi

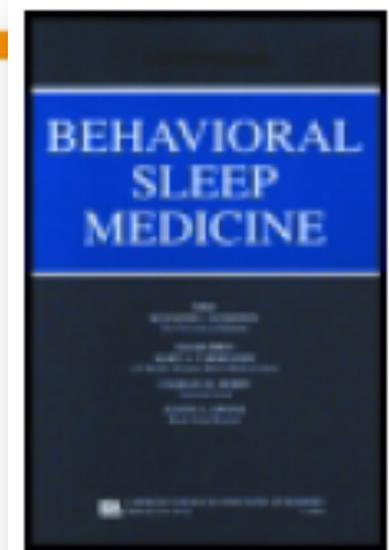
*Department of Neurosciences
Catholic University, Rome, Italy*

Riccardo Brunetti and Anna Contardi

*Department of Human Sciences, Cognitive and Clinical Psychology Lab
Università Europea, Rome, Italy*

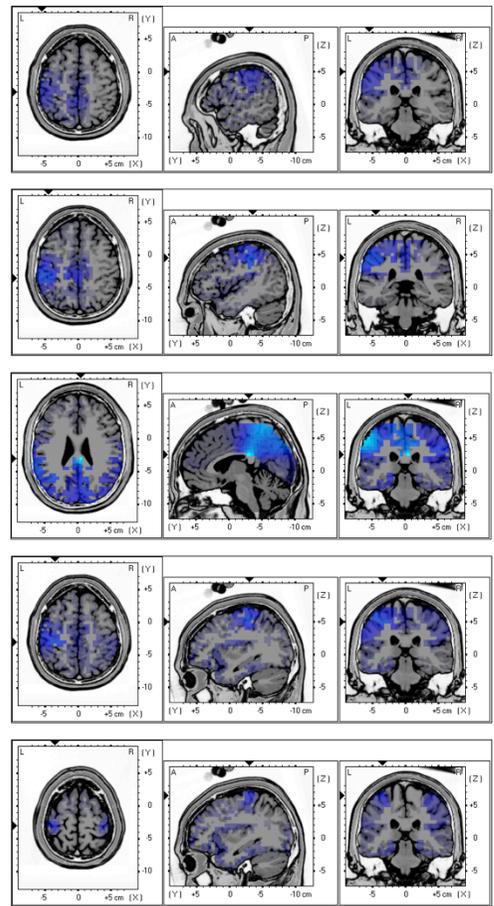
Salvatore Mazza and Giacomo Della Marca

*Department of Neurosciences
Catholic University, Rome, Italy*

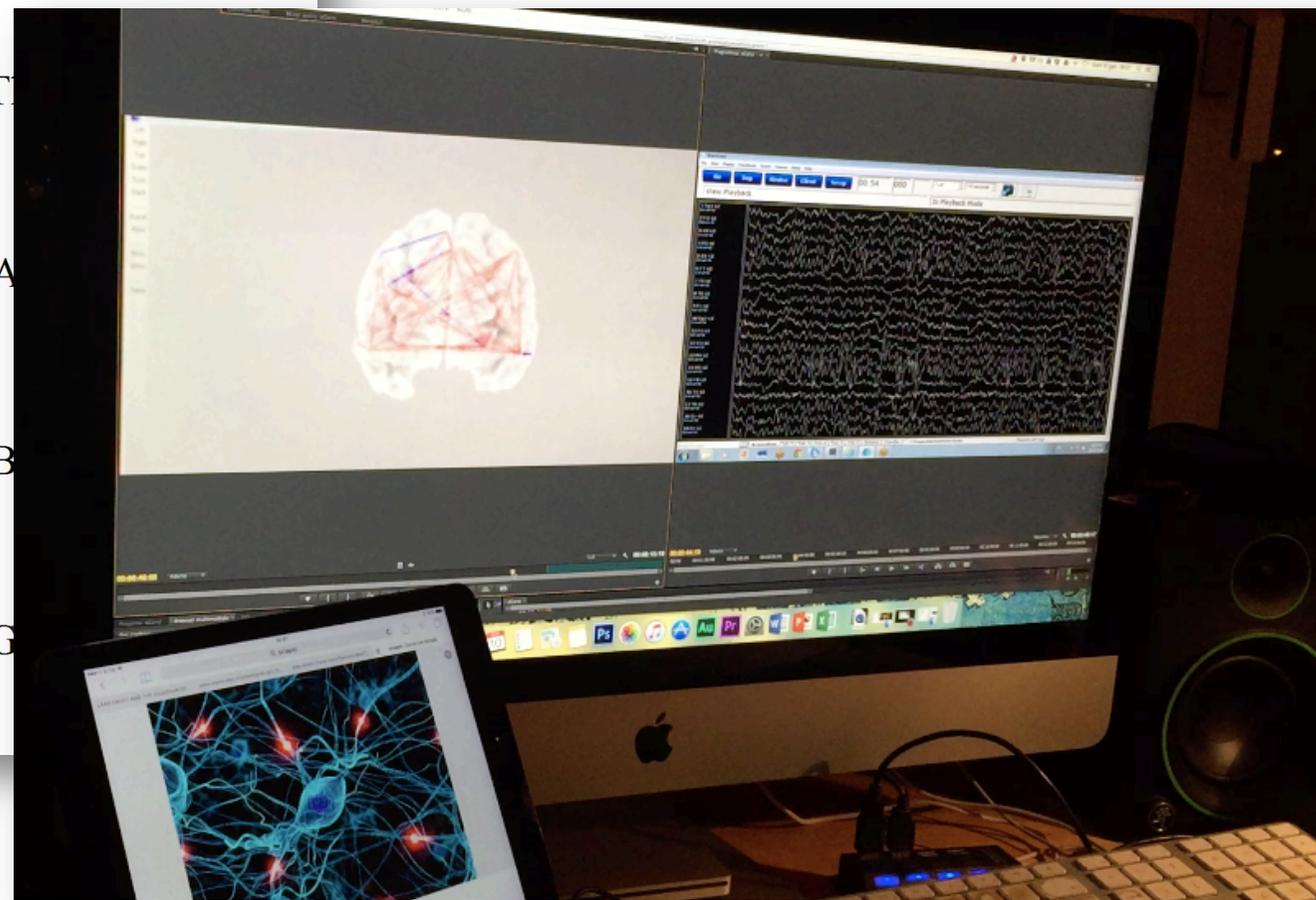


Lo studio delle alterazioni neurofisiologiche nelle malattie psichiche e neurologiche

Delta 0.5-4 Hz



T
*A
B
G



Lagged EEG Coherence

pre vs post; $p < 0.01$

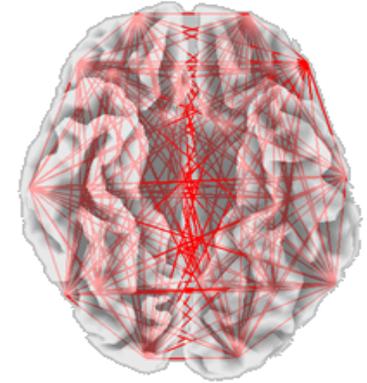
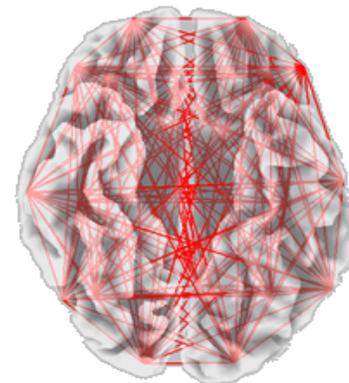
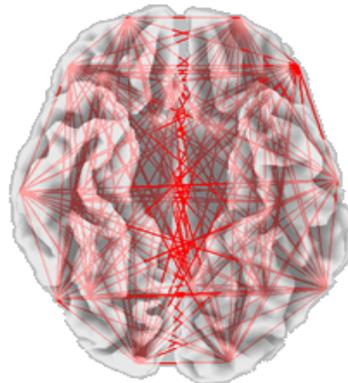
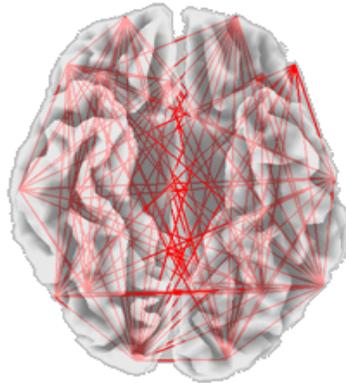
θ

α

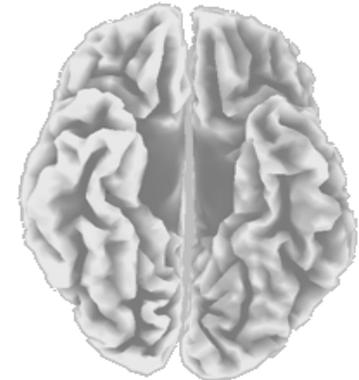
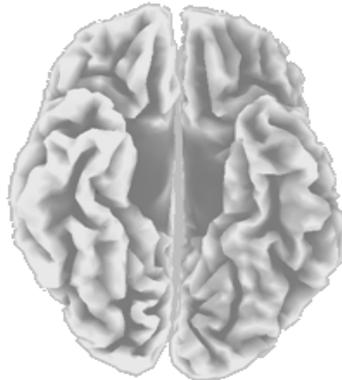
β

γ

Controls
n=24



Pazients
n=12



ARTICLE

Change in Heart Rate Variability After the Adult Attachment Interview in Dissociative Patients

BENEDETTO FARINA, MD, PhD

Department of Human Sciences, European University of Rome, Rome, Italy

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ANNA MARIA SPERANZA, PhD

Department of Dynamic and Clinical Psychology, Sapienza University, Rome, Italy

CLAUDIO IMPERATORI, MPsy

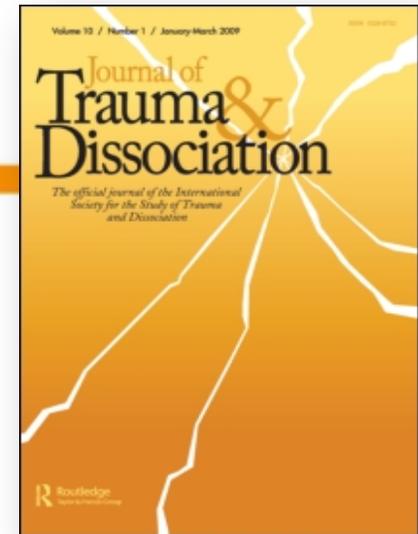
and MARIA ISABELLA QUINTILIANI, MPsy

Department of Human Sciences, European University of Rome, Rome, Italy

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GIACOMO DELLA MARCA, MD, PhD

Department of Neurosciences, Catholic University, Rome, Italy



- Nel gruppo di controllo non è stata osservata nessuna differenza significativa prima e dopo l'AAI
- Nei pz. con DD è stato documentato un incremento del LF/HF ratio dopo l'AAI (sbilanciamento della bilancia a sfavore della componente vagale)

Richard P. Kluft Award

2015 Best Paper

Journal of Trauma & Dissociation

The 2015 Award is Presented to

Benedetto Farina MD, PhD

For Outstanding Work on the Article

*“Change in Heart Rate Variability After the Adult Attachment
Interview in Dissociative Patients”*

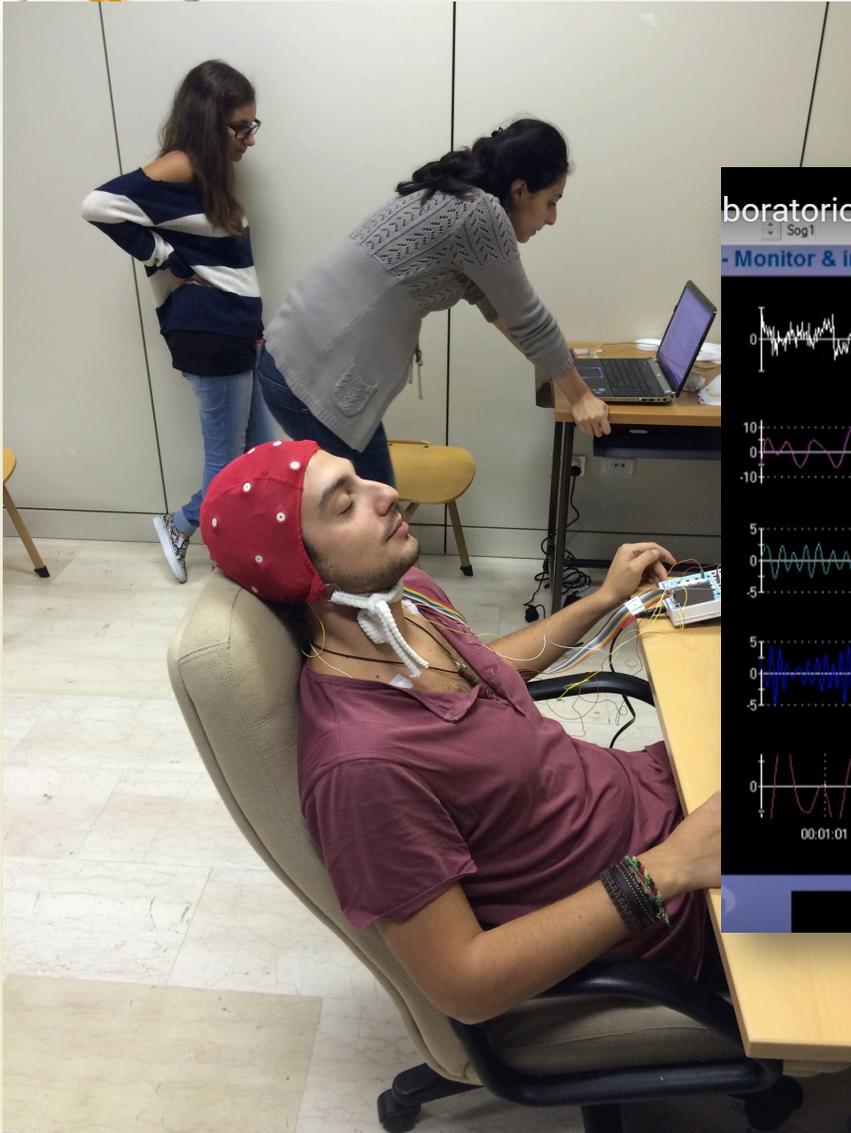
Published in Volume 16, Issue 2, 2015

This certificate hereby verifies that a strict standard of professional review and selection has been utilized for this award, which honors merit, original thinking, and contribution to the profession.

Editor, Jennifer J. Freyd, PhD
Journal of Trauma & Dissociation

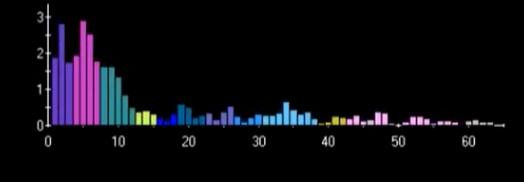
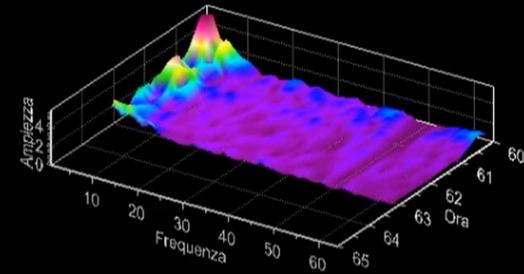
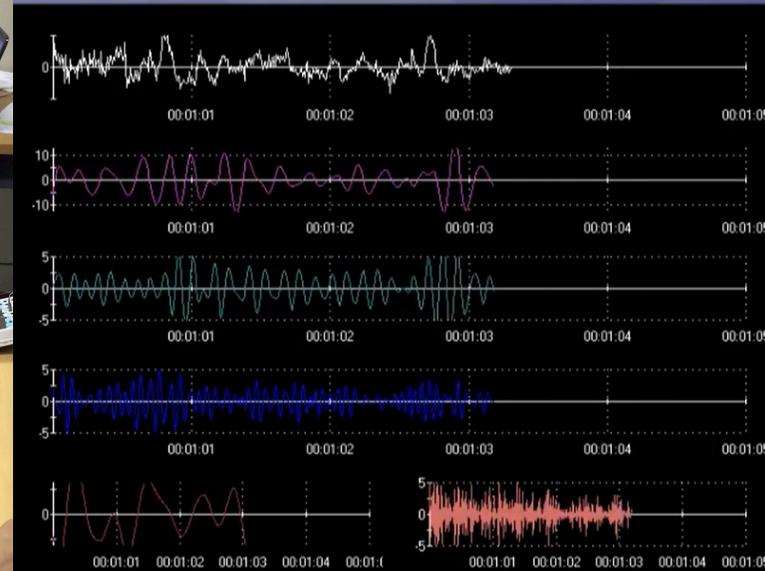
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Lo studio neuroscientifico delle terapie



laboratorio 3 - Neurofeedback

Monitor & instructions



Baseline. Recording...

Neurophysiological correlates of eye movement desensitization and reprocessing sessions: preliminary evidence for traumatic memories integration

Benedetto Farina^{1,2}, Claudio Imperatori¹, Maria I. Quintiliani¹, Paola Castelli Gattinara², Antonio Onofri², Marta Lepore², Riccardo Brunetti¹, Anna Losurdo³, Elisa Testani³ and Giacomo Della Marca³

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Summary

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Accepted for publication

Received 28 January 2014;
accepted 9 July 2014

Key words

EEG coherence; EEG Power Spectra; eye movement desensitization and reprocessing; post-traumatic stress disorder; standardized Low Resolution Electric Tomography

We have investigated the potential role of eye movement desensitization and reprocessing (EMDR) in enhancing the integration of traumatic memories by measuring EEG coherence, power spectra and autonomic variables before (pre-EMDR) and after (post-EMDR) EMDR sessions during the recall of patient's traumatic memory. Thirteen EMDR sessions of six patients with post-traumatic stress disorder were recorded. EEG analyses were conducted by means of the standardized Low Resolution Electric Tomography (sLORETA) software. Power spectra, EEG coherence and heart rate variability (HRV) were compared between pre- and post-EMDR sessions. After EMDR, we observed a significant increase of alpha power in the left inferior temporal gyrus ($T = 3.879$; $P = 0.41$) and an increased EEG coherence in beta band between C3 and T5 electrodes ($T = 6.358$; $P < 0.001$). Furthermore, a significant increase of HRV in the post-EMDR sessions

- Ricerca di base e applicata
- Assistenza alle procedure diagnostiche
- Terapie neurofisiologiche (neurofeedback)
- Assistenza ai pazienti con alterazioni neuropsicologiche

