

NON-INVASIVE BRAIN STIMULATION IN PSYCHIATRY

THE CASE OF TMS



ROME

September 22nd, 23rd 2022

Hotel Barceló Aran Mantegna

SCIENTIFIC DIRECTOR

Prof. Stefano Pallanti

Professor at Albert Einstein, New York USA and
Director of Istituto di Neuroscienze, Florence, Italy



SCIENTIFIC RATIONALE

Non-invasive brain stimulation (NIBS) techniques represent widely used physical therapies in neurology and psychiatry. Among the most widely adopted are those based on the use of magnetic fields (TMS, Transcranial Magnetic Stimulation) or electromagnetic fields (tDCS, transcranial Direct Current Stimulation) applied to the scalp. In both cases, brain activity is modulated in discrete areas below the site of delivery through activation or inhibition of the excitability threshold or neuronal discharge.

Both TMS and tDCS have few contraindications, few side effects and validated efficacy across a wide range of disorders (depression, OCD, chronic pain, Parkinson's disease, motor stroke, addiction, etc.): for these disorders the efficacy level is very high (level A) and where this is not reached there are still measures of approvals from regulatory bodies (FDA, NICE, etc.). For depression and OCD, TMS therapy is approved for drug-resistant disorders, but this does not mean that TMS is an alternative to pharmacological treatment; if anything, in many cases it represents an excellent support to improve the outcomes in combination with pharmacological therapy. Regarding schizophrenia, the most recent international guidelines identify NIBS with different levels of efficacy on the negative symptoms and auditory hallucinations present in this disorder: in particular, the level of recommendation is C for TMS (probable efficacy) and B for tDCS (possible efficacy).

As such, guidelines take a long time to be published, and therefore refer to studies conducted in the years prior to their publication or revision. However, the most recent publications confirm the efficacy of these techniques while also supporting the favourable association with concomitant pharmacological treatments. Both technologies involve a series of therapeutic sessions, the number and frequency of which depend on the protocols applied, but while TMS treatments are outpatient, for tDCS, remotely controlled systems allowing home treatment are available.

FACULTY

SPEAKERS

1. **Chris Baeken** - *Research Professor at Ghent University*
2. **Jérôme Brunelin** - *Researcher INSERM U1028 Centre de Recherche en Neurosciences de Lyon Bron, France*
3. **Bernardo Dell'Osso** - *Professor of Psychiatry, University of Milan and Director of Department of Mental Health and Addictions, ASST Sacco-Fatebenefratelli, Milan*
4. **Giorgio Di Lorenzo** - *Associate Professor at University of Tor Vergata, Rome, Italy*
5. **Giovanni Martinotti** - *Associate Professor at University "G. D'Annunzio", Chieti-Pescara, Italy*
6. **Stefano Pallanti** - *Professor at Albert Einstein, New York, USA and Director "Neuroscience Institute", Florence, Italy*
7. **Emmanuel Poulet** - *Lyon Neuroscience Research Center, PSYR2 Team. University of Lyon, CH Le Vinatier, Lyon, France and Responsable des Urgences psychiatriques de l'Hôpital Edouard Herriot à Lyon*

TRAINERS

1. **Simone Di Pietro** - *Psychiatrist, Head of dTMS Villa Gughì, Rocca Priora, Rome, Italy*
2. **Giorgio Tonon** - *Expert in Education Sciences, Turin, Italy*

THURSDAY, SEPTEMBER 22nd

02.00 - 02.20 pm Welcome and Course presentation
Prof. [Stefano Pallanti](#) – Prof. [Bernardo Dell’Osso](#)

● **Session 1 - Introduction and background**

Chair: Prof. [Bernardo Dell’Osso](#) – Co-Chair: Prof. [Giovanni Martinotti](#)

02.20 - 02.45 pm Brain Stimulation in Mental Health: state of the art and perspectives
Prof. [Jérôme Brunelin](#)

02.45 - 03.10 pm Treatment-resistance OCD: pharmacological and TMS approach
Prof. [Stefano Pallanti](#)

03.10 - 03.35 pm Use of TMS for the treatment of positive and cognitive symptoms in Schizophrenia
Prof. [Giorgio Di Lorenzo](#)

03.35 - 04.00 pm Cognitive and negative symptoms in Schizophrenia: what’s new?
Prof. [Stefano Pallanti](#)

04.00 - 04.30 pm Break

● **Session 2 - Fields of clinical application**

Chair: Prof. [Stefano Pallanti](#) – Co-Chair: Prof. [Giorgio Di Lorenzo](#)

04.30 - 04.55 pm TMS and Negative Symptoms of Schizophrenia
Prof. [Emmanuel Poulet](#)

04.55 - 05.20 pm TMS in Depression: Accelerated vs Standard Protocols
Prof. [Bernardo Dell’Osso](#)

05.20 - 05.45 pm TMS in Addiction Psychiatry: state of the art and perspectives
Prof. [Giovanni Martinotti](#)

05.45 - 06.10 pm Biological effects and safety of accelerated TMS
Prof. [Chris Baeken](#)

06.10 - 06.50 pm Panel Discussion and Q&A

FRIDAY, SEPTEMBER 23rd● **Session 1 - Training Session**

09.00 - 09.20 am Introduction
Prof. [Stefano Pallanti](#)

09.20 - 12.00 pm Neuro modulation systems with TMS: methods of use and practice with Butterfly coil and H-coil
Trainers: [Simone Di Pietro](#), [Giorgio Tonon](#)

12.00 - 12.10 pm Break

12.10 - 01.00 pm Panel discussion and Conclusive remarks

Chair: Prof. [Stefano Pallanti](#)
Prof. [Chris Baeken](#), Prof. [Jérôme Brunelin](#), Prof. [Bernardo Dell’Osso](#),
Prof. [Giovanni Martinotti](#), Prof. [Emmanuel Poulet](#)

01.00 - 01.10 pm Take home messages

01.10 - 01.40 pm Feedback Questionnaire & Learning Questionnaire

EXPECTED LEARNING OUTCOMES

After attending the event participants will be able to:

- analyse and evaluate the latest evidence, guidelines and protocols on NIBS techniques, particularly TMS for the treatment of conditions like schizophrenia, depression, OCD, chronic pain, Parkinson's disease, motor stroke, addiction;
- manage advanced skills on the use of NIBS techniques, particularly the TMS therapy, in the treatment of a wide range of disorders (schizophrenia, depression, OCD, chronic pain, Parkinson's disease, motor stroke, addiction);
- develop and apply an interdisciplinary clinical approach to the treatment of conditions like schizophrenia, depression, OCD, chronic pain, Parkinson's disease, motor stroke, addiction, using non-invasive brain stimulation techniques, particularly TMS therapy, with concomitant pharmacological treatments.

TARGET AUDIENCE

Psychiatric Specialists

CME ACCREDITATION

An application has been made to the UEMS EACCME for CME accreditation of this event

VENUE

Hotel Aran Mantegna, Via Andrea Mantegna 130 - 00147 Rome

REGISTRATION

Participation is free but you have to register on

<http://www.letscome3.it/pec-events/non-invasive-brain-stimulation-in-psychiatry-the-case-of-tms/>

After registration, the organising secretariat will communicate additional information about participation.

Organizing Secretariat

With an unrestricted educational grant from

LETSCOM 
EVENTI EDITORIA ECM

 +39 06 91502790
 +39 327 3522356
segreteria@letscome3.it
www.letscome3.it

 **RECORDATI**