

Transcranial Magnetic Stimulation (TMS): Applications to Neuropsychiatry



January 17-19, April 4-6, July 25-27, October 31- November 2, 2009

Description of the course

The course, sponsored by the College of Physicians and Surgeons of Columbia University and conducted by the Division of Brain Stimulation and Therapeutic Modulation, Department of Psychiatry and New York State Psychiatric Institute, includes hands-on administration of Transcranial Magnetic Stimulation (TMS), recently approved by FDA for treatment of major depression. Didactic sessions with the TMS faculty of Columbia University cover all topics relevant to running a TMS clinical service and a TMS research lab, including: new developments in motor threshold determination, treatment technique, stimulus dosing, risks, complications and contraindications, safety screening and concurrent medications, post TMS management and continuation treatment, clinical and non-clinical research applications, TMS research study designs, and emerging brain stimulation techniques (e.g., magnetic seizure therapy).

CME Credit and Course Materials

At the conclusion of the course, the attendee receives a CME certificate and a maximum of **17.5** AMA PRA **Category 1 Credit(s)**^a. Each attendee will also receive a book, a CD containing the lecture slides, a binder of readings, self-assessment and course evaluation materials, and other handouts.

Target audience and objectives

This activity is designed for psychiatrists and researchers who wish to enhance their knowledge of TMS and the related brain stimulation techniques. The objectives of the course are to understand the theoretical basis of TMS and provide the attendees with the skills required to perform state of the art TMS within a research clinical trial and within a hospital-based service or private clinical practice.

Schedule

This course is offered three to four times a year. Course enrollment is limited, and early enrollment is encouraged. For upcoming course dates and registration information, call (212) 543-5664, or email BrainStimCME@columbia.edu. You also may check the Division of Brain Stimulation and Therapeutic Modulation website for current information and dates of future courses. http://www.brainstimulation.columbia.edu/continuing_education.html

Registration

The course is open to physicians, researchers and other professionals and trainees, from the U.S. and abroad. This program is sponsored by the College of Physicians and Surgeons of Columbia University. Payment is due by one

month before the course start date. Cancellations less than one month prior to start date will incur a 10% cancellation fee. The course registration fee is \$2,000.

CME Accreditation/AMA Category 1 Credit

The New York State Office of Mental Health, Bureau of Psychiatric Services and Research Institute Support is accredited by the Medical Society of the State of New York (MSSNY) to sponsor continuing medical education for physicians.

The New York State Office of Mental Health designates this continuing educational activity for a maximum of **17.5** AMA PRA **Category 1 Credit(s)**^a. Physicians should claim credit commensurate with the extent of their participation in the activity.

Support Statement. This program is supported by the registration fees (not by industry).

Faculty

	<u>Affiliation</u>	<u>Title</u>
Course Director		
Sarah H. Lisanby, M.D.	Columbia	Professor of Clinical Psychiatry
Course Co-Director		
Antonio Mantovani, M.D., Ph.D.	Columbia	Associate Research Scientist
and Faculty		
Fortunato Battaglia, MD, Ph.D.	CCNY/CUNY; Columbia	Assistant Medical Professor; Adjunct Asst. Prof.
Bruce M. Luber, Ph.D.	Columbia	Instructor in Clinical Psychiatry
Angel V. Peterchev, Ph.D.	Columbia	Instructor in Clinical Psychiatry
Arielle D. Stanford, M.D.	Columbia	Assistant Professor of Clinical Psychiatry

To be distributed at the course:

- ❖ **Course binder of research articles**
- ❖ **CD of all lecture slides (or you may bring a flash drive)**
- ❖ **Course evaluation and self-assessment materials**
- ❖ **Book:** "Brain Stimulation in Psychiatric Treatment", Ed. Sarah H. Lisanby, M.D.

Disclosure

The Bureau of Psychiatric Services and Research Institute Support (BPSRIS) relies upon faculty participants in its CME programs to provide educational information that is objective and free of bias. In this spirit, and in accordance with the guidelines of the MSSNY, faculty participants are expected to indicate any commercial relationship that might be perceived as a real or apparent conflict of interest.

Antonio Mantovani, M.D., Ph.D.
NYSPI - Division of Brain Stimulation
and Therapeutic Modulation
1051 Riverside Drive, #21, NYSPI
New York, 10032 NY
Tel. 212-543-6081
Email: am2518@columbia.edu
Disclosure: None

Sarah H. Lisanby, M.D.*
Director, Division of Brain Stimulation
and Therapeutic Modulation
1051 Riverside Drive, Unit 21, NYSPI
New York, 10032 NY
Tel. 212-543-5558
Email: slisanby@columbia.edu
Disclosure:
Research Support
ANS, Cyberonics, MagStim, Neuronetics

Fortunato Battaglia, M.D., Ph.D.
Sophie Davis School of Medicine
City College of New York, CUNY and
NYSPI - Division of Brain Stimulation
and Therapeutic Modulation
1051 Riverside Drive, #21, NYSPI
New York, 10032 NY
Tel. 212-650-5956
Email: fb@med.cuny.edu
Tel. 212-543-6230
Disclosure: None

Bruce M. Luber, Ph.D.
NYSPI - Division of Brain Stimulation
and Therapeutic Modulation
1051 Riverside Drive, #21, NYSPI
New York, 10032 NY
Tel. 212-543-6064
Email: luberbr@pi.cpmc.columbia.edu
Disclosure: None

Angel V. Peterchev, Ph.D.
NYSPI - Division of Brain Stimulation
and Therapeutic Modulation
1051 Riverside Drive, #21, NYSPI
New York, 10032 NY
Tel. 212-543-5460
Email: ap2394@columbia.edu
Disclosure: None

Arielle Stanford, M.D.
NYSPI - Division of Brain Stimulation
and Therapeutic Modulation
1051 Riverside Drive, #21, NYSPI
New York, 10032 NY
Email: as1019@columbia.edu
Disclosure: None

Contact Information

For further information and registration, contact:
Division of Brain Stimulation and Therapeutic Modulation
1051 Riverside Drive, Unit 21
New York State Psychiatric Institute
New York, New York 10032

(212) 543-5664

BrainStimCME@columbia.edu

<http://www.brainstimulation.columbia.edu>

An * after the speaker's name indicates that the speaker intends to discuss unlabeled uses of commercial product, or an investigational use of a product not yet approved for this purpose. The speaker will disclose this information during his/her presentation.

AGENDA

Day	Time	Event	Faculty	Location
<i>Sat.</i>				
	8:30-9:00 am	Course Introduction	AM	NB 5 th fl. Rm 5001
	9:00-10:00 am	TMS as tool in Neuroscience	SHL	NB 5 th fl. Rm 5001
	10:00-11:00 am	Treatment technique-Stimulus Dosing-Study Design	SHL	NB 5 th fl. Rm 5001
	11:00-12:00 pm	Regulatory Statements: IRB, IDE, FDA, Guidelines-ISTS consensus statement	SHL	NB 5 th fl. Rm 5001
	12:00-1:00 pm	Magnetic Seizure Therapy (MST)	SHL	NB 5 th fl. Rm 5001
	1:00-2:00 pm	<i>Lunch Break</i>		
	2:00-3:00 pm	Risks, Complications and Contraindications-Safety Screening and Concurrent Medications; Post TMS Management-Continuation Treatment	AM	NB 5 th fl. Rm 5001
	3:00-4:00 pm	Mechanisms of action – Physics of TMS	AVP	NB 5 th fl. Rm 5001
<i>Sunday</i>				
	9:00-10:00 am	TMS and Mood Disorders	AM	NB 5 th fl. Rm 5001
	10:00-11:00 am	TMS and Motor Cortex Excitability	AM	NB 5 th fl. Rm 5001
	11:00-12:00 pm	TMS and Schizophrenia	AS	NB 5 th fl. Rm 5001
	12:00-1:00 pm	TMS and Anxiety Disorders	AM	NB 5 th fl. Rm 5001
	1:00-2:00 pm	<i>Lunch Break</i>		
	2:00-3:00 pm	TMS and Neurological Disorders, Animal Models	FB	NB 5 th fl. Rm 5001
<i>Monday</i>				
	9:00-10:00 am	Mechanism of action - Imaging studies	BML	NB Room 5001
	10:00-11:00 am	Brain Sight demonstration MagStim TMS device - set-up, safety procedures and equipment, pts. monitoring	Greg Westin/ BML/ BSTM Team	NB 5 th fl. Rm 5100B
	11:00-12:00 pm	TMS Lab: Case presentation and treatment observation (s)	BSTM Team	NB 5 th fl. Rm 5100B, 5300A
	12:00-1:00 pm	TMS Lab: Motor Threshold determination-EMG	AM BML	NB 5 th fl. Rm 5100B
	1:00-2:00 pm	TMS Lab: Neuronetics and Neurostar TMS devices - safety procedures and equipment, pts. monitoring	AM	NB 5 th fl. Rm 5300A
	2:00-3:00 pm	General Discussion, Completion of Course Evaluation	BSTM Team	NB Room TBA

NB = New Building (new NYSPI)

Faculty Key

AM: Antonio Mantovani, MD, PhD

AS: Arielle Stanford, MD

AVP: Angel V. Peterchev, PhD

BML: Bruce M. Lubner, PhD

FB: Fortunato Battaglia, MD, PhD

SHL: Sarah H. Lisanby, MD