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Data Continue to Demonstrate Value of NeuroStar TMS Therapy as a Proven Treatment for Patients Battling Difficult-to-Treat Depression

In addition to independent research conducted by the National Institute of Mental Health, new data on NeuroStar TMS Therapy® will be presented at the American Psychiatric Association's annual meeting

Malvern, PA [May 17, 2010] – Neuronetics, Inc. announced today that in addition to independent research by the National Institute of Mental Health (NIMH), new data exploring the clinical utility of Transcranial Magnetic Stimulation (TMS) Therapy in depression will be presented at the upcoming American Psychiatric Association's annual meeting in New Orleans. NeuroStar TMS Therapy® is the fastest growing non-pharmaceutical treatment for depression in the U.S. i

i *Neuronetics data on file.*

ii George et al. *Arch Gen Psychiatry.* 2010;67[5]:507-516.

iii Janicak PG et al. *J Clin Psychiatry.* 2008;69(2):222-232.

iv Demitrack, MA, Thase, M. *Psychopharmacology Bulletin* 2009; 42(2), 5-38.

“It’s truly an exciting time for Neuronetics with overwhelming interest in TMS Therapy from psychiatric researchers, clinicians and patients,” said Neuronetics’ President and CEO, Bruce Shook. “The NIMH study provides very important and independent validation of previous research and confirms the value of NeuroStar TMS Therapy as an effective and safe therapy for patients suffering from major depression who have not done well on drug therapy. ⁱⁱ”

Initial findings from the NIMH, sham-controlled, randomized study, published in this month’s *Archives of General Psychiatry*, concluded that TMS was “a monotherapy with few adverse effects and significant antidepressant effects for unipolar depressed patients who do not respond to medications or who cannot tolerate them.”ⁱⁱ While the study was conducted independently, Neuronetics supplied its NeuroStar TMS Therapy systems for the study. ⁱⁱ Neuronetics is the only manufacturer of a TMS device that has been FDA-cleared for the treatment of depression.

“Having patients reach remission should be the goal for every physician,” said Mark Demitrack, M.D., Chief Medical Officer of Neuronetics. “We are encouraged to see that the odds of patients achieving remission with TMS were four times greater when compared to the sham group. ⁱⁱ This data confirms and replicates our prior clinical trial data for NeuroStar TMS Therapy and we look forward to further exploring additional benefits of TMS Therapy for patients.”

In addition to the NIMH study, several other APA sessions and research will evaluate TMS Therapy.

TMS Therapy Presentations at APA

Date: Monday, May 24, 2010

Time: 2:00 – 5:00 PM

Symposium Title: Focal Brain Stimulation for Psychiatric Disorders: Clinical Update

Presentation Title: The Clinical Safety and Efficacy of Transcranial Magnetic Stimulation: Results from Recent Pivotal Clinical Trials

Presenter: William M. McDonald, M.D.

Time: 3:00 – 5:00

Session Title: New Research Poster Session 3

Presentation Title: Methodologic Approaches in the Naturalistic Assessment of Clinical Utilization and Outcome of a Device-Based Treatment in Clinical Practice

Poster: NR3-67

Presenter: Mark Demitrack, M.D.

Date: Tuesday, May 25, 2010

Time: 12:00 – 2:00 PM

Session Title: New Research Poster Session 6

Presentation Title: An Open-Label Study of Transcranial Magnetic Stimulation Combined with Antidepressant Medication of the Treatment of MDD

Poster: NR4-76

Presenter: Scott T. Aaronson, M.D.

Time: 12:00 – 2:00 PM

Session Title: New Research Poster Session 4

Presentation Title: Left Dorsolateral Prefrontal Transcranial Magnetic Stimulation (TMS): Effect on Sleep in Patients with Pharmacoresistant MDD

Poster: NR4-66

Presenter: Peter Rosenquist, M.D., et al.

Time: 2:00 – 5:00 PM

Symposium Title: Treatment of Depression with TMS: An Overview of Findings from the Optimization of TMS for the Treatment of Depression Trial (OPT-TMS)

Presenter: Mark S. George, M.D., et al

Date: Wednesday, May 26, 2010

Time: 3:00 – 5:00 PM

Session Title: New Research Poster Session 7

Presentation Title: Long-Term Durability of Acute Response to Transcranial Magnetic Stimulation (TMS) in the Treatment of Pharmacoresistant Major Depression

Poster: NR7-46

Presenter: Philip G. Janicak, M.D., et al.

About NeuroStar TMS Therapy

NeuroStar TMS Therapy was cleared by the FDA in October 2008 for the treatment of Major Depressive Disorder in adult patients who have failed to achieve satisfactory improvement from one prior antidepressant medication at or above the minimal effective dose and duration in the current episode. NeuroStar TMS Therapy is a non-systemic (does not circulate in the bloodstream throughout the body) and non-invasive (does not involve surgery) form of neuromodulation.

TMS Therapy uses highly focused, pulsed magnetic fields to restore function in brain regions believed to be linked to depression. It is an outpatient procedure performed in a physician's office daily for 4-6 weeks. There are no systemic side effects such as sedation, cognitive-blunting, weight gain, sexual dysfunction, or nausea.ⁱⁱⁱ The most common adverse events related to TMS treatment are scalp pain or discomfort at the treatment area.. NeuroStar TMS Therapy is contraindicated in patients with implanted metallic devices on non-removable metallic objects in or around the head. NeuroStar TMS Therapy is available only upon the prescription of a psychiatrist.

In clinical trials, patients treated with active NeuroStar TMS Therapy experienced an average reduction in their depression symptom score of 22.1% compared to a 9% reduction in patients receiving inactive treatment i . In a Neuronetics-sponsored, open-label clinical trial, which is most like real world clinical practice, approximately 1 in 2 patients experienced significant improvement in symptoms, and 1 in 3 experienced complete symptom resolution. NeuroStar TMS Therapy has not been studied in patients who have not received prior antidepressant treatment; efficacy has not been established in patients who failed to benefit from 2 or more antidepressant medications at minimal effective dose and duration in the current episode.^{iv}

Availability of NeuroStar TMS Therapy

Treatment with NeuroStar TMS Therapy is now available at over 190 treatment centers in the U.S., in both physician offices and select hospitals, including seven of the top 10 psychiatric hospitals identified by *U.S. News and World Report*. For specific information on treatment locations with NeuroStar TMS Therapy, please visit www.NeuroStarTMS.com or call the Neuronetics Customer Service Center at (877) 600-7555.

About Neuronetics

Neuronetics, Inc. is a privately-held medical device company focused on developing non-invasive therapies for psychiatric and neurological disorders using MRI-strength magnetic field pulses. Based in Malvern, PA, Neuronetics is the leader in the development of TMS Therapy. For more information, please visit www.neuronetics.com.

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