

**HELIUS MEDICAL TECHNOLOGIES, INC.**  
Suite 400 41 University Drive, Newtown PA 18940

**Helius Announces Pilot Studies for PoNS™**  
*University of Wisconsin - Madison to Study Non-Invasive Neurostimulation Device for Brain-Injured Individuals*

NEWTOWN, PA AND VANCOUVER, BC - September 23, 2014 -- Helius Medical Technologies, Inc. (CSE: HSM) (“HMT”, or the “Company”) announced today that its flagship PoNS™ technology would be tested in a double-blind, randomized, sham-controlled pilot efficacy study in volunteer human subjects with a chronic balance deficit due to mild-to-moderate traumatic brain injury (TBI). The PoNS™, an investigational medical device that induces neuromodulation by stimulating the cranial nerves found in the tongue, is being studied for the treatment of balance disorder symptoms caused by Traumatic Brain Injury (TBI). The study is being conducted at the [Tactile Communication and Neurorehabilitation Laboratory \(TCNL\)](#) at the University of Wisconsin-Madison. HMT is developing a commercial version of the prototype PoNS™ device used in the trial.

“There has been little advancement over the years for the treatment of symptoms caused by TBI and we are excited to help patients who have tried many different therapies and have limited treatment options,” said Phillippe Deschamps, Chief Executive Officer, Helius Medical Technologies. “This pilot trial will guide next steps in the development of the PoNS™.”

“Our past research has shown the brain improves its ability to heal itself through neuroplasticity. Whether the brain is injured through neurodegenerative disease or the result of a traumatic injury, we are finding this approach is at the heart of successful neurorehabilitation,” said Yuri Danilov, Director of HMT, Director of Neuroscience at TCNL and co-inventor of the PoNS™ device. “We envision a future with a faster and more complete rehabilitation from sensory and motor disorders.”

**About the Trial**

The 26-week pilot study is expected to include 44 subjects with a chronic balance deficit due to mild-to-moderate TBI. As part of the study, subjects will undergo periodic testing, in-lab exercise training with the PoNS™ for two weeks, and then will continue with PoNS™ use and exercise at home for 12 weeks. The last phase of the study is a 12-week withdrawal period.

This study is presently recruiting subjects. For more information about the PoNS™ pilot trial please contact the TCNL at [jruhland@wisc.edu](mailto:jruhland@wisc.edu), or see <http://go.wisc.edu/i24mx8>. This clinicaltrials.gov identifier is NCT02158494.

**About CN-NINM and PoNS™**

Early clinical research shows that electrical stimulation of the tongue stimulates two major cranial nerves, the trigeminal and the facial. This stimulation is translated into

neural impulses, delivered directly into the brain stem and dispersed throughout the brain. This stimulation of the brain stem and other brain structures seems to affect the capacity, organization, and function of these structures. This is known as cranial nerve noninvasive neuromodulation (CN-NINM) and is delivered by the Portable Neuromodulation Stimulator (PoNS™). When combining this neurostimulation with a specific set of physical, cognitive, and/or mental exercises, preliminary results have shown an increase in effectiveness in recovery and relief of targeted neurological symptoms.

#### **About TCNL**

Founded in 1992, the Tactile Communication & Neurorehabilitation Laboratory (TCNL), located at the University of Wisconsin-Madison, is a research center that uses the experience of many different areas of science to study the theory and application of applied neuroplasticity, the brain's ability to reorganize in response to new information, needs, and pathways. Their research is aimed at developing solutions for sensory and motor disorder rehabilitation. For more information, please visit, <http://tcnl.bme.wisc.edu/>.

#### **About Helius Medical Technologies (HMT)**

Helius Medical Technologies is a medical technology holding company focused on neurological wellness. HMT seeks to use unique and non-invasive platform technologies that create portals to the brain to amplify its ability to heal itself. HMT intends to file for U.S. Food and Drug Administration clearance for the PoNS™ device. For more information, please visit [www.heliusmedical.com](http://www.heliusmedical.com).

#### **Cautionary Disclaimer Statement:**

*The Canadian Securities Exchange has not reviewed and does not accept responsibility for the adequacy or accuracy of the content of this news release.*

This news release includes certain statements that may be deemed “forward-looking statements”. All statements in this news release, other than statements of historical facts, are forward-looking statements. Forward-looking statements are often identified by terms such as “will”, “may”, “should”, “anticipate”, “expects” and similar expressions. All statements other than statements of historical fact, included in this release are forward-looking statements that involve risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company's expectations include risks detailed from time to time in the filings made by the Company with securities regulators.

The reader is cautioned that assumptions used in the preparation of any forward-looking information may prove to be incorrect. Events or circumstances may cause actual results to differ materially from those predicted, as a result of numerous known and unknown risks, uncertainties, and other factors, many of which are beyond the control of the Company. The reader is cautioned not to place undue reliance on any forward-looking information. Such information, although considered reasonable by management at the

time of preparation, may prove to be incorrect and actual results may differ materially from those anticipated. Forward-looking statements contained in this news release are expressly qualified by this cautionary statement. The forward-looking statements contained in this news release are made as of the date of this news release and the Company assumes no obligation to update the forward-looking statements except as required by applicable law.

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Contact:       **Corporate Contacts:**  
Phil Deschamps  
614-596-2597  
[pdeschamps@heliusmedical.com](mailto:pdeschamps@heliusmedical.com)

**Media Contacts:**  
Becky Kern  
914-772-2310  
[beckykernpr@gmail.com](mailto:beckykernpr@gmail.com)

**Investor Contacts:**  
John Awde  
604-761-5251  
[jawde@heliusmedical.com](mailto:jawde@heliusmedical.com)