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FOR IMMEDIATE RELEASE

CLEVELAND MEDICAL DEVICES INC. OBTAINS \$1.2 MILLION IN NIH FUNDING FOR EMERGENCY BRAIN MONITORING

CLEVELAND, OHIO, October 5, 2005 – Cleveland Medical Devices Inc. (CleveMed) announced that it has been awarded \$1.2 million in National Institutes of Health SBIR Phase II Continuation funding. The proceeds from the grant will fund the continuation and expansion of CleveMed's Emergency Brain Monitoring program.

Electroencephalography (EEG) is needed in the emergency department to improve the clinical outcome in a large patient population, yet EEG procedures in the emergency department are almost non-existent. To date, a crucial hurdle is the lack of EEG monitoring technology appropriate in the emergency setting. The purpose of the program is to complete the development of the miniature, wireless EEG technology developed in the earlier phases of the project.

"The funding will help us establish the use of EEG monitoring within the emergency department," said Aveh Bastani, MD, emergency physician in charge of clinical research at Troy Beaumont Hospital in Troy, Michigan. "This technology provides clinicians with otherwise unattainable information regarding the neurological status of their most critically ill patients. Results from 70 patients showed that approximately 10% of the patients suffered from sub-clinical seizures that would have otherwise been undetected."

According to Hani Kayyali, CleveMed president, "We hope to pioneer the use of EEG in urgent care in the U.S. and around the world. This extensive study will be critical in promoting the benefits of this new monitoring capability to emergency doctors and hospital staff." Mr. Kayyali added, "This project is aligned with CleveMed's core focus areas in developing innovative neurology and rehabilitation products that fulfill unmet clinical needs within the clinical, research, and education markets."

About Cleveland Medical Devices Inc. – Cleveland Medical Devices Inc. (CleveMed) was founded with the goal of developing, manufacturing, and marketing biomedical signal processing and instrumentation devices. CleveMed has since become a leader in miniaturized telemetry, physiological monitoring, and rehabilitation devices. Through these innovations, CleveMed has developed a growing range of products that address the needs of the medical, research, and academic communities.

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