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**Special to The Repository  
Medical technology feature**

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**OHIO SLEEP DISORDERS CENTERS OFFERS LATEST IN MEDICAL TECHNOLOGY**

CANTON, OH—Ohio Sleep Disorders Centers, Northeast Ohio's leader in providing comprehensive diagnosis and management of sleep disorders, offers the latest innovative technologies in sleep disorders medicine at its Canton office, located at 4774 Munson St. NW, Canton.

Among the newest technologies being used locally are Actigraphy, CPAP technology with smart cards, EMR, MWT testing, and servo-ventilation therapy, according to Frankie Roman, M.D., a member of Ohio Sleep Disorders Centers medical staff and a board-certified sleep specialist who has served Stark county patients since 1992.

Actigraphy is a diagnostic test designed to provide information about how much a person is sleeping. For seven days, a patient wears the monitor on his wrist like a watch. The device records activity and movement while the patient is sleeping. Absence of movement for a set period indicates true sleep. This test helps with the diagnosis of sleep disorders such as circadian rhythm disorders and insomnia.

CPAP technology with smart cards enables doctors to monitor their patient's therapy progress. Smart cards allow the patient to download their information to the card, which is taken or mailed to the physician for analysis. The doctor can then determine whether to maintain current treatment or change the treatment plan.

Ohio Sleep Disorders Centers uses Electronic Medical Records (EMR) Technology, giving doctors remote access to patient data so that even prescriptions can be sent electronically. The practice utilizes its own templates, but more importantly, physicians have access to patient charts from anywhere in the world. EMR technology has a proven track record for creating efficiency, reducing costs and improving quality of patient care.

The Maintenance of Wakefulness test (MWT) is used to assess wakefulness and whether a patient is able to stay awake for a defined period of time. It is also used to evaluate how well a sleep disorder patient is responding to treatment. Results of multiple tests may be compared over a period of time and can show if treatment is helping a patient overcome sleepiness. The test is critical for long-haul drivers with sleep apnea and when a person's job involves public transportation or safety.

Servo-ventilation therapy is an advanced form of CPAP therapy used for patients with sleep apnea due to congestive heart failure, stroke or newly described Complex Sleep Apnea. This unit can detect significant reductions or pauses in breathing and intervenes with just enough support to maintain the patient's breathing. When the patient's breathing problem ends, the machine gently backs off; when the patient's breathing is stable, the unit provides just enough pressure support to maintain an open airway.

Dr. Roman welcomes new consultations. To schedule an appointment, please call 330-494-8424.

Ohio Sleep Disorders Centers are operated by Neurology & Neuroscience Associates, Inc., which provides compassionate care and quality service in the comprehensive diagnosis, treatment and rehabilitation of neurological conditions. Its team of physicians, nurse practitioners and technicians utilize the latest technologies and most advanced medical therapies at seven outpatient offices located in Akron, Belden Village, Green, Hudson, Medina, Ravenna and West Akron. For more information about NNA, please visit its Website at [www.nnadoc.com](http://www.nnadoc.com).