



Personal Experience  
Unwavering Optimism  
Passionate Collaboration

## **NEURX DIAPHRAGM PACING SYSTEM INFORMATION**

The NeuRx Diaphragm Pacer, with its minimally invasive approach, is both scientifically and clinically proven to preserve muscle strength and maintain vital capacity. The NeuRx System is particularly important because previous ventilation methods have been shown to cause atrophy and accelerate respiratory compromise.

The NeuRx Diaphragm Pacing System has no moving parts, is silent while operating, and small in size. It is also customized to each patient: the external pulse generator is set by your doctor to match your comfortable and natural breathing pattern, and after that, it is controlled by the patient via the EPG remote.

If you are interested in having the NeuRx DPS implanted should discuss the system with your doctor. Patient inquiries can also be made by emailing Synapse Biomedical.

### **Prescription Information**

Before determining if you are eligible for the Diaphragm Pacing System, you will need to have the following tests performed. A pulmonary laboratory or hospital can conduct the following tests for you.

1. Nerve Conduction Study of Phrenic Nerve – surface study with neck stimulation for amplitude and latency – assess for possible diaphragm pacing
2. Diaphragm Fluoroscopy “sniff test”  
Assess diaphragm contraction
3. Arterial Blood Gas (ABG) test
4. Frontal View Chest Xray – Inspiration and Expiration views.

### **Contact Information**

Raymond P. Onders M.D., FACS  
Professor of Surgery  
Margaret & Walter Remen Chair of Surgical Innovation  
Director of Minimally Invasive Surgery  
University Hospitals Case Medical Center  
Case Western Reserve University School of Medicine  
11100 Euclid Avenue  
Cleveland, OH 44106  
216-844-5797  
raymond.onders@uhhospitals.org