



**Stop that ringing  
in your ears!**

## Advanced Energy Medicine of Daytona Beach

John A. Ortolani, MD

**T**innitus — phantom noises like a ringing, whistling, buzzing or roaring sound in the ears when in fact there is no external source for any of these sounds — affects approximately 28 million Americans. It is not a disease in itself but is an indication of an underlying health problem, usually in the ear, the auditory nerve, or the brain.

Though most people are able to ignore these noises, approximately 12 million Americans experience sounds

that are unrelenting. Fully 2 million Americans are disabled by these untraceable sounds.

Tinnitus disrupts concentration, sleep patterns, social interactions, and job performance.

The problem has confounded medical science: the most common treatment for tinnitus involves teaching the patient how to live with it. Other methods introduce less intrusive real sounds in an attempt to mask the phantom emanations.

“Now,” announces board-certified neurologist John A. Ortolani, MD, “for patients who suffer from tinnitus that originates in the inner ear, we can offer a better option: low level laser therapy [LLLT].” Dr. Ortolani is the medical director of Advanced Energy Medicine in Daytona Beach.

*John A. Ortolani, MD, is board certified in neurology by the American Board of Psychiatry and Neurology. He completed his undergraduate studies at Fordham University, Bronx, NY, and received his medical degree from the University of Bologna, Italy. He served his internship and completed residencies in psychiatry and neurology at St. Vincent's Medical Center, New York City. Dr. Ortolani is a diplomate of the American Academy of Neurology and the American Academy of Pain Management and a member of the American Medical Association, American Medical Electro-Encephalographic Association, and American Society of Neuro-Imaging.*

## Low level laser therapy

“Low level laser therapy is a revolutionary treatment that is effective in reducing tinnitus in approximately 65 percent of patients, according to research studies conducted in Europe,” states Dr. Ortolani. “That same research has shown complete cures in up to 25 percent of cases.”

LLLT directs low levels of laser light onto the cochlea, located in the inner ear.

“The light energy causes a photochemical reaction in the cells of the inner, initiating a series of cellular responses that reactivate damaged cells to heal themselves and reduce or eliminate the phantom sounds associated with tinnitus,” explains Dr. Ortolani.

Approximately 10 treatments are required in a two-week period to accomplish cellular reactivation. The treatments last about 45 minutes each, and Dr. Ortolani comments that most patients achieve relief from tinnitus with a single series of treatments.

Dr. Ortolani emphasizes the noninvasiveness and safety of the LLLT procedure. “In the 10 to 15 years this treatment has been available in Europe, more than 20,000 people have been treated with LLLT,” he informs. “Not one has reported any problem or injury resulting from this treatment.” **FHCN**—Billie S. Noakes

## No more noise!

**Bothered by tinnitus?**

*Maybe low level laser therapy can help YOU.*

**Advanced Energy Medicine  
of Daytona Beach**

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Advanced Energy Medicine of Daytona Beach purchased this space for the purpose of marketing LLLT and educating the public about the procedure.

## LLLT: A SUCCESS STORY

**F**ifty-seven-year-old “Harley Joe” Fiorvanti is candid about the way tinnitus affected him.

“I panicked,” admits Harley Joe. “I was watching TV, and all of a sudden, this loud, whiny noise just started up in my head. It sounded like the old TV sets used to when you turned them off: a high-pitched ringing kind of sound. Only there was no turning this sound off, and it was loud.”

For more than eight months, Harley Joe suffered with this unstoppable sound, until he met Dr. Ortolani, who began treating Harley Joe with LLLT in July 2002.

Please visit the  
Advanced Energy  
Medicine of Daytona  
Beach website at  
**www.tinnitus.us.**

“He told me not to expect immediate changes,” recalls Harley Joe, “but by the fifth treatment, I really noticed a difference. The sounds were manageable.

“I’ve had the full series of 10 treatments now, and the difference is like night and day. When I met Dr. Ortolani, the noises in my head were so loud, I’d say they were a 10-plus on a scale of 1 to 10,” Harley Joe speculates. “Now, they’re down to a 1.5.

“I’m convinced about LLLT,” he assures. “I just wish every doctor I’ve had was like Dr. Ortolani: he really took an interest and helped me when nothing else could.”

## HYPERBARIC OXYGEN THERAPY

# OUTPATIENT HYPERBARIC OXYGEN THERAPY: WAVE OF THE FUTURE

**A** leading-edge therapy for wound care may hold the key to releasing patients caught in the grip of painful and debilitating neurological disorders.

Hyperbaric oxygen therapy is recognized by Medicare and most insurance companies for such diverse applications as treating chronic wounds like those caused by diabetic or venous ulcers, radiation necrosis of bone and soft tissue, chronic refractory osteomyelitis, carbon monoxide poisoning, and even decompression sickness.

“Hyperbaric oxygen therapy also is known to be beneficial for symptoms related to various other conditions like stroke, coma, spinal cord injuries, multiple sclerosis, burns, migraine, cerebral palsy, traumatic brain injuries, and reflex sympathetic dystrophy,” notes John A. Ortolani, MD, an experienced neurologist who treats patients suffering from pain resulting from these debilitating conditions.



Hyperbaric chamber

Dr. Ortolani uses hyperbaric oxygen therapy to complement standard physical, speech, and occupational therapies for patients suffering from a wide range of neurologic disorders.

### How it works

Hyperbaric oxygen treatment is as easy as taking a nap, and each session lasts 60 to 90 minutes.

To prepare for the treatment, the patient arrives at the center and changes from street clothes into cotton scrubs. The patient’s vital signs are recorded, and a

quick examination ensures the patient’s general well-being and the status of their tympanic membranes (ears). The patient is then transported into the hyperbaric chamber.

While the patient rests comfortably inside, the chamber is infused with pure oxygen at two to three times normal at-

mospheric pressure. “This gives the body 10 to 15 times more pure oxygen than it receives outside the chamber,” explains Dr. Ortolani. “This encourages the formation of new blood vessels, the enhancement of white blood cell activity, and the promotion of new cell growth, including bone cells and fibrous tissue. It speeds metabolism, enhancing the body’s natural ability to heal, and it helps oxygen reach tissues that are normally inaccessible by red blood cells carrying only standard levels of oxygen.”

### Broad application

Studies in Britain and Canada have shown remarkable results for children with cerebral palsy who have been treated with hyperbaric oxygen. A child born with cerebral palsy has a number of damaged brain cells. Some are irreparable, but some are merely dormant. “Motor skills, communication skills, general awareness, and muscle control all have been shown to improve for these children following sustained hyperbaric treatments.”

Patients suffering from migraines may also find in hyperbaric oxygen therapy an end to the excruciating and debilitating pain that can keep them bedridden for days.

“The throbbing pain of migraine headaches is caused by a number of spasms in the blood vessels of the brain,” instructs Dr. Ortolani. “The increased oxygenation provided by hyperbaric oxygen therapy stops the throbbing contractures of the blood vessels, thereby halting the pain.”

Patients suffering from multiple sclerosis, too, have been encouraged by results of hyperbaric oxygen therapy. “Nobody knows what causes this progressive disease,” acknowledges Dr. Ortolani,

### Treatment plans with hyperbaric oxygen are available for these conditions:

- Multiple sclerosis
- Autism
- Cerebral palsy
- Stroke
- Alzheimer’s disease
- Infections
- Nonhealing wounds
- Migraines

“and the only effect medications have had is to slow the advance of its debilitating symptoms. Hyperbaric oxygen therapy seems to halt the progression, allowing people to remain in remission without the relapses of fatigue, poor muscle coordination and bladder control, and blurred vision that beset MS sufferers.

“These very positive results are encouraging for many patients,” observes Dr. Ortolani. “I truly think hyperbaric therapies are the wave of the future in helping to overcome a wide range of neurological disorders.”

**FHCN**—Billie S. Noakes

For further information about hyperbaric oxygen therapy, contact Dr. Ortolani at **(386) 274-2000.**