

## Chambers in the Spotlight



### Hospital Affiliations

Parrish Medical Center, Cape Canaveral Hospital, Wuesthoff Health Systems, Holmes Regional Medical Center, Palm Bay Community Hospital and Sebastian River Medical Center.

### Facility Name

Brevard Regional Hyperbaric Center

### Address

1698 West Hibiscus Boulevard  
Melbourne, Florida 32901

### Date Opened

1999

### Avg. Tx. Per Year

3360

### Total Tx.

11,000 (22,000 tx hrs.)

### Phone

321-676-3200

### Fax

321-674-0020

### E-mail

LBhyper@atlantic.net

### Web Site

hyperbaricphysician.com

### Facility Type

Free-Standing with hospital affiliations

### Treatment Focus

Wound Care, Diving, Research

### Chamber Manufacturer

Victoria Machine Works, Victoria, Texas

### Chamber Type

Multiplace, Multilock, Hyper/Hypobaric

### Model Name

OASIS

### Medical Director

Dr. Paul W. Buza, DO, ACN, AME

### Safety Director

Mr. James Briggs

### Center Description

The 11,000 square foot facility is designed for the comfort and accessibility of clients and to support the variety of operations the program offers.

The multilock, multiplace chamber can accommodate 12 patients and two tenders in the main lock and three patients and one tender in the transfer lock. The LCD monitors for the individual entertainment system stations are attached to the individual 23" wide chairs. Each of the 12 reclining patient chairs in the main lock have armrests as well as optional footrests to maximize comfort while in the chamber environment. Because the medical treatment and the equipment operating functions are visibly kept to a minimum,





a relaxing “team” environment is created which allows patients to watch their “movie of the day”, discuss similar health problems during treatment, play chess or even take a nap.

The safety-oriented Allen-Bradley PLC supported computer operations capability allows operators to become system managers enabling them to not only operate the equipment, monitor safety features and chamber functions but also pay additional attention to the needs of individuals inside the chamber. The computer system assists in keeping all maintenance checklists, charting tasks and log keeping functions manageable so more attention is focused on an individual’s needs.

The facility’s executive auditorium can easily accommodate over 50 clients in comfortable seating arrangements for intensive training sessions. The building is also easily accessible by car, van and ambulance with multiple entrances to the chamber room to accommodate urgent care patients without compromising the relaxing, educational atmosphere.

The Brevard Regional Hyperbaric Center is located in coastal Melbourne Florida in Brevard County also known as Florida’s Space Coast. The center is approximately 45 minutes south of the Kennedy Space

Center, 60 minutes southeast of attractions in Orlando and 2.5 miles west of the Trauma II Center at Holmes Regional Medical Center and only minutes from Melbourne International Airport, I-95, US1 and the beaches.

#### **Department description of services.**

The Brevard Regional Hyperbaric Center combines the current and potential applications of hyperbaric oxygen therapy with sound medical practice including a platform for research, continuing education & hands-on training on a national level.

In its infancy, the hyperbaric program currently provides over 650 hours of routine therapy per month to support woundcare protocols, skin grafting procedures, post-radiation therapy injury, etc. - and emergency treatment for incidents such as diving accidents & carbon monoxide poisonings.

The Brevard Regional Hyperbaric Center provides 24 hour call coverage to support Brevard county residents, physicians and healthcare organizations including NASA-Kennedy Space Center, USCG, Patrick Air Force Base and Holmes Regional Trauma Center.

The BRHC also participates with NASA/ KSC in providing a comprehensive 30 day rotation to Wright State University

School of Medicine- Aerospace Medicine Program’s physician residents. The BRHC & its affiliate the Spacecoast Aeromedical Institute maintain scheduled hours for related professional education and development work as well as high altitude chamber/ hypoxia training for the Mayo Clinic, KSC, quasi-military, schools and other aerospace sectors.

The Florida Platelet Gel Symposium is offered through the Brevard Regional Hyperbaric Center once a quarter with additional programs to focus on the credentialing of healthcare professionals for Dive Medical Technician and Certified Hyperbaric Technician status in development.

Current studies in wound care at the Brevard Regional Hyperbaric Center involve the microscopic photographic documentation of exactly how on a cellular level a single HBOT treatment positively affects hypoxic wounds by up regulating growth factor receptors. Hyperbaric Medicine with Platelet Rich Plasma Grafting combination therapy is also being seen to dramatically accelerate the wound healing process in appropriately selected patients.