

## Portable Hyperbaric Oxygen Therapy Chamber Premium Monoplace Oxygen Therapy Chamber

### Overview

Hyperbaric oxygen therapy involves breathing pure oxygen in a pressurized environment. Conditions treated with hyperbaric oxygen therapy include serious infections, bubbles of air in your blood vessels, and wounds that may not heal as a result of diabetes or radiation injury.

In a hyperbaric oxygen therapy chamber, the air pressure is increased two to three times higher than normal air pressure. Under these conditions, your lungs can gather much more oxygen than would be possible breathing pure oxygen at normal air pressure.

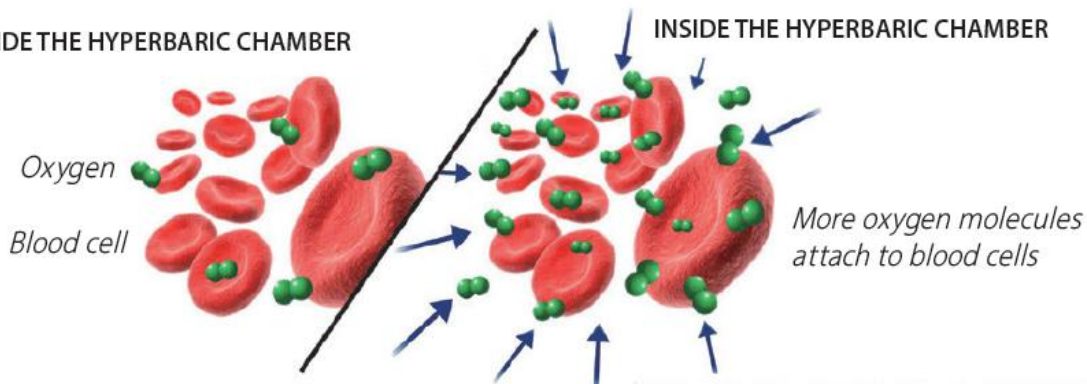
When your blood carries this extra oxygen throughout your body, this helps fight bacteria and stimulate the release of substances called growth factors and stem cells, which promote healing.



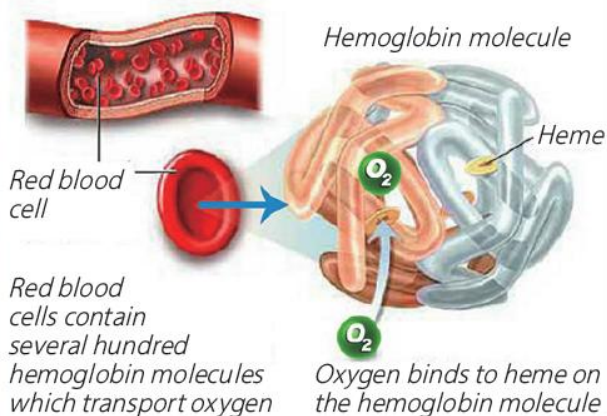
**EFFECTS OF HYPERBARIC OXYGEN ON THE BLOOD CELLS:** Under hyperbaric conditions, the combination of increased pressure and high oxygen levels increases the amount of oxygen carried in a person's blood.

OUTSIDE THE HYPERBARIC CHAMBER

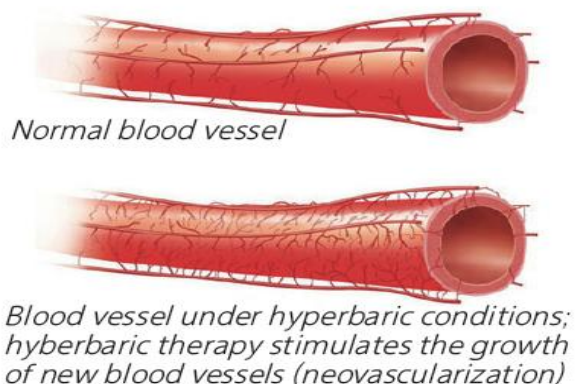
INSIDE THE HYPERBARIC CHAMBER



**EFFECT OF HYPERBARIC ON HEMOGLOBIN**

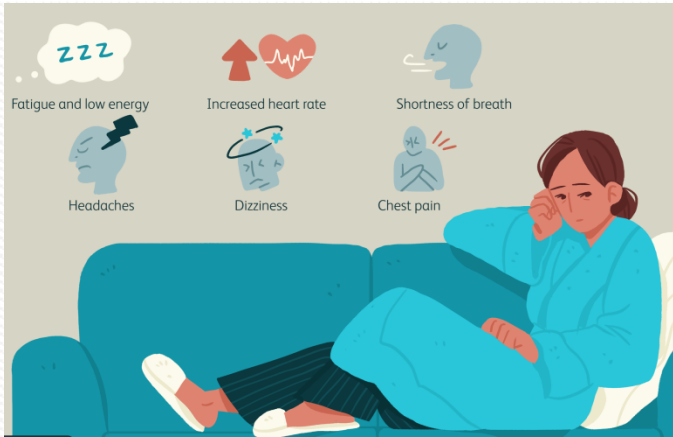


**EFFECT OF HYPERBARIC ON REBUILDING OF NEW SMALL BLOOD VESSELS**

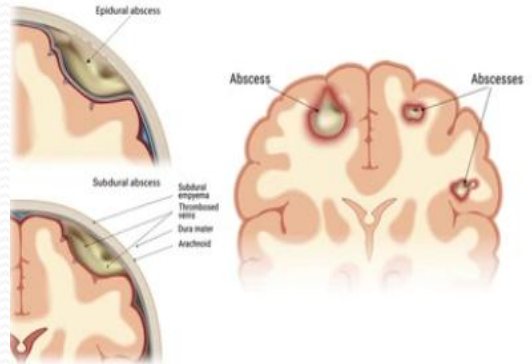


## Portable Hyperbaric Oxygen Therapy Chamber

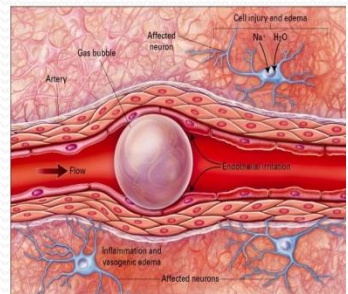
### Severe anemia



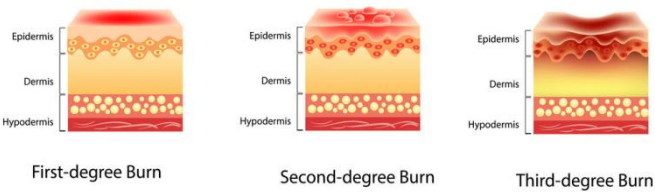
### Brain abscess



### Bubbles of air in your blood vessels (arterial gas embolism)



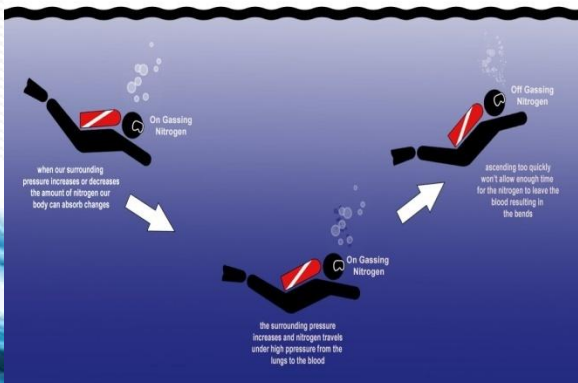
### Skin Burn



### Carbon monoxide poisoning



### Decompression sickness



### Deafness, sudden

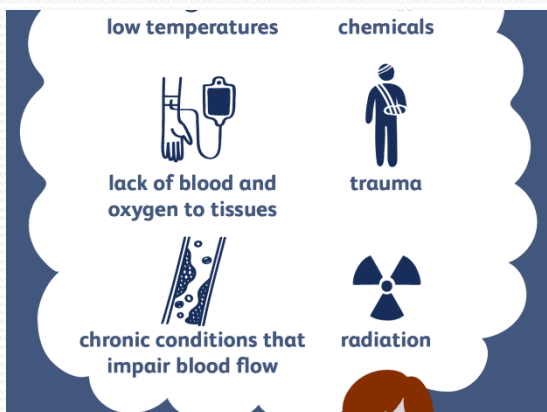
#### Sudden hearing loss



## Portable Hyperbaric Oxygen Therapy Chamber

Infection of skin or bone that causes tissue death

Vision loss, sudden and painless



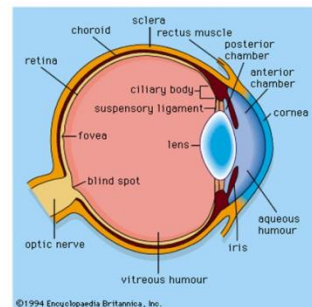
### Gangrene

Gangrene Wound: Symptoms, Causes And Treatment Of Gangrene



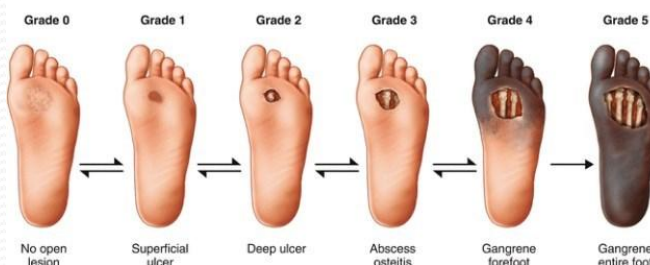
### Location of Visual Loss

- Refractive
- Eyelid
- Cornea
- Anterior Chamber
- Lens
- Vitreous
- Retinal
- Optic nerve
- Cortical



Nonhealing wounds, such as a diabetic foot ulcer

Dysvascular foot breakdown - Natural history

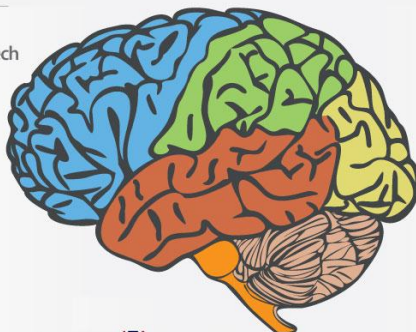


### Traumatic brain injury

## HOW TRAUMATIC BRAIN INJURY (TBI) AFFECTS DAILY LIFE

#### HEALTHY

- **Frontal:** Concentration, Problem Solving, Speech
- **Parietal:** Sense of Touch, Pain, Temperature
- **Occipital:** Healthy Vision
- **Temporal:** Memory, Organization
- **Cerebellum:** Balance & Coordination
- **Brainstem:** Breathing, Steady Heart Rate



#### TBI

- **Frontal:** Lack of Focus, Irritability, Language Difficulty
- **Parietal:** Difficulty with Reading, Spatial Misperception
- **Occipital:** Blind Spots, Blurred Vision
- **Temporal:** Problems with Short- & Long-Term Memory
- **Cerebellum:** Difficulty Walking, Slurred Speech
- **Brainstem:** Changes in Breath, Difficulty Swallowing

## Portable Hyperbaric Oxygen Therapy Chamber Premium Monoplace Oxygen Therapy Chamber

### Healthier with every breath

Meditech Hyperbaric Oxygen Chamber Will serve patients for many years with minimum maintenance and running costs.

Meditech HBOT Delivers amazing results Very fast and lets you make every therapy session count.

HBOT Is manufactured with perfection for people of all ages, to make them feel stronger, healthier, more energized and free of pain.

Worldwide accepted medical equipment at affordable price range.

All necessary certifications issued and available.

### Highest Level of Reliability & Safety

The only company to manufacture, install & service monoplace, dual place and multiplace systems for over 50 years

The ability to hear, see and monitor the patient during treatment

Superior electronic voice communications system to insure safe, uninterrupted communication with patients

Extra wide Gurney which locks to chamber during patient transfer

### Fully Customized HBO Chamber

Chambers available with left or right hand control and door

panel configuration

Flat Screen TV/DVD Player which is mounted to chamber and adjusts

for patient viewing Patient Monitoring Connectors to use with IV Pump/Blood

Pressure/EKG Monitoring

Sigma Elite EMR system features centralized monitoring and reporting to connect to your

EMR/EHRsystem

Upgrade Gurney – Undercarriage Gurney Storage system to

save floor space

Three Perry Annual Service Plan options to insure the safest and most cost effective annual service

Additional service, equipment and accessory options available



### Controller Unit Automatically controlled pressure system.

The microprocessor system automatically balances the rates of the pumping system and air inlet to set and maintain the requested air pressure and shuts off the compressor after 60 seconds malfunction.

### Highest Level of Reliability & Safety

Superior communications system to insure clear, dependable two way communications with patients. External control module allows for discreet handset or speaker to monitor patient's voice communication.

Back up power source allows for safe, uninterrupted communication in the event of a power outage.

Pneumatic control panel to insure safe operation of the system even in the event of power failure

Extra wide which locks to chamber for patient comfort and safety

### Interior comfort

The door uses pressure seal, no hinges or other closing mechanism that could be subject to pressure load stress.

Anti-friction bearings helps easy door slide movement by hand.

Anti bacterial leather finish interior.

High quality fiber loop mattress and pillow – 90% of the core material is air to help dissipate heat and moisture generated by the body during therapy. Allows good ventilation through the entire chamber. It also helps keep you cool in the summer and warm in the winter. – Made in India

## Hyperbaric Oxygen Chamber Oxygen Therapy Systems



### MTBBR1.80

Dimensions:  $\varnothing 80 \times 222$  L cm  
Volume: 1160 Litres  
Weight: 90 Kg

### MTBBR1.90

Dimensions:  $\varnothing 90 \times 222$  L cm  
Volume: 1470 Litres  
Weight: 110 Kg

**Chambers are available in 80 and 90 diameter sizes to significantly reduce the incidence of noncompliance because of claustrophobia.**