

## Can HBOT help you?

Yes. If your condition involves injury, wounding, loss of blood supply, or inflammation, we would be surprised if HBOT did not help you. Based on how HBOT works, by treating disease processes that are common to many diseases, it is highly probable that HBOT could help you if dosed properly. Proper dosing is our specialty, this is where Dr. Vladan Stanojković excels. If dosed properly HBOT has an excellent chance of helping you or your loved one.

## Other FDA-Approved Conditions for Hyperbaric Oxygen Therapy Treatments including:

Increasing the amount of oxygen intake to cells; Aiding in circulation; Increasing the diameter of blood vessels (neoangiogenesis); Assisting in cleansing the patient's body of toxins; Enhancing white blood cell action; Rejuvenating skin cells; Increasing energy; Increasing endurance; Stimulates stem cells.

Oxygen is normally supplied by inhalation to our body. It combines with hemoglobin inside of the red corpuscle (Bonded oxygen). HBOT(Hyperbaric Oxygen Therapy) machine induces hyper pressure. It can increase the concentration of the melted oxygen in liquid (melted oxygen). The melted oxygen sullies directly to each cell. Restores cells to normal biochemical and physiological processes. HBOT stimulates stem cells. Adequate tissue perfusion and sufficient oxygen supply are two basic requirements for the body's healing responses. Without these the tissues enter a hypoxic state. Hypoxia impairs many healing processes-collagen synthesis, bacterial killing, angiogenesis, and epithelialization. Hypoxia slows wound healing and favors bacterial growth. HBOT accelerates normal healing mechanisms. The increased concentration of oxygen dissolved in plasma reaches tissues with poor or compromised vascular supply (increased diffusion distance). Tissue oxygenation is also improved as the resultant vasoconstriction decreases edema (decreased intercapillary distance). HBOT stimulates the proliferation of fibroblasts and endothelial cells for at least three days post-treatment. Oxygen is delivered to the tissues at levels that actually inhibit bacterial growth. Tissue oxygen tension has been shown to be the most important local factor affecting oxidative leucocyte killing. HBOT potentiates the activity of many antibiotics and increase their tissue penetration. HBOT decreases the growth and viability of many microorganisms while enhancing antibiotic effectiveness and the patient immune response. HBOT has been widely used in human such as SPORTS MEDICINE, plastic surgery and health industries. HBOT is a medical treatment by which oxygen is administered at greater than normal pressure to a patient in order to treat specific medical indications. Dr. Paul Harch from USA has more than 100 indications. Long established as the primary therapy in the treatment of medical disorders, hyperbaric oxygen therapy is now increasingly being used on an adjunctive basis in the management of a variety of disorders refractory to standard medical and surgical care. In HBOT, the patient is placed in a specially designed chamber, the pressure in the chamber is increased, and 100% oxygen is breathed. Alveolar oxygen pressure is increased, causing a rise in plasma oxygen content which results in enhanced tissue oxygen delivery. The amount of pressure increase and the length of time under pressure are determined by the condition being treated. HBOT pressures are usually between 1,51 and 2 times atmospheric. HBOT usually last from 1 to 2 hours at full pressure.

**Mal also provides consultancy to many other world-class athletes. Mal Hooper is one of Australia's leading practitioners of Hyperbaric Medicine and has provided support for Novak in six of his seven wins at the Australian Open. In integrating HBOT to solve some of the common challenges in Sports Medicine, Mal rigorously evaluates the impact of HBOT on a large set of cytokine and other biomarkers related to athletic performance to keep world-class athletes like Novak Djokovic playing at peak levels.**

It's best to treat sports injuries as quickly as possible. Healing will increase exponentially if the athlete receives hyperbaric oxygen therapy treatments within the first 24-48 hours. HBOT has also been known to aid in reducing compartment syndrome tissue damage.

## FASTER HEALING POST-INJURY USING HYPERBARIC CHAMBERS

An increasingly popular treatment for professional and recreational athletes and athletic teams is hyperbaric oxygen therapy. Athletes that play basketball, football, hockey, soccer, and many other sports use hyperbaric oxygen therapy for quick results and healthier bodies. The 100% pure oxygen in our hyperbaric chambers help injured athletes by: Reducing swelling; Reducing pain; Improving fracture healing; Speeding recovery; Preventing hypoxia; Reducing the formation of scar tissue; Allowing athletes to return to training and competing faster. The Oxygen Revolution is the definitive guide to the miracle of hyperbaric oxygen therapy, from a pioneer in the field.

## The full list approved hyperbaric oxygen therapy treatments - Indications:

Air or gas embolism; Carbon monoxide poisoning; Enhancement of healing in diabetically derived illness such as diabetic foot, diabetic retinopathy, diabetic nephropathy; Exceptional blood loss (Severe Anemia); Intracranial abscess; Clostridial myositis and myonecrosis (gas gangrene); Crush injury, compartment syndrome, and other acute traumatic ischemias; Decompression sickness; Necrotizing soft tissue infections (necrotizing fasciitis); Osteomyelitis (refractory); Delayed radiation injury; (soft tissue and bony necrosis); Skin grafts and flaps (compromised); Thermal burns; Actinomycosis; Cyanide poisoning; Arterial Insufficiencies; Idiopathic Sudden Sensorineural Hearing Loss; Sequela after stroke, Cerebral hemorrhage, Arteriosclerosis, Ischemic heart disease, Cerebral infarction; Oriental medicine; Well-being: Chronic fatigue, Stress; Neurology: - Senile dementia, Stroke, Paralysis, Neurosis, Autism, Schizophrenia, Headache, Migraine; Dermatology: - Acne, Herpes, Herpes Zoster, Hair loss, Skin care; AIDS; Alcohol Abuse; Alzheimer's; Arthritis; Asthma; Birth Injuries; Brain Injuries; Cerebral Palsy; Chronic Fatigue Syndrome; Learning Disabilities; Lou Gehrig's Disease (ALS- Amyotrophic Lateral Sclerosis/Motor Neuron Disease); Lyme Disease; Multiple Sclerosis; Parkinson's; Post Traumatic Stress Disorder PTSD; Traumatic Brain Injury TBI; Vision Loss (thrombosis a. centralis retinae); SPORTS MEDICINE AND MORE...

**OXYMED POLIKLINIKA d.o.o.**  
**MEDICAL GOLD d.o.o.**

Authorized General Distributor for hyperbaric oxygen chambers for EU and Former Yugoslavia

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# OXYMED POLIKLINIKA

The first private center for hyperbaric and diving medicine approved by the Ministry of Health in Slovenia

# HYPERBARIC OXYGEN THERAPY



# O<sub>2</sub>ONE H3000

3 atm high pressure oxygen chamber



- **Chamber:** 1.1 ~ 3.0 ATA can be freely set
- **Patient respirator:** Oxygen mask holder
- **Communication device:** Possible to talk between patient and operator
- **Air and oxygen pressure measuring device and manual control device:** installation
- **Length:** 2415 mm; **Width:** 1156 mm; **Height:** 1308 mm;
- **Weight:** 1000 kg
- **Design Pressure:** 3.2 ATA; **Operating Pressure:** 1.1 ATA ~ 3.0 ATA
- **Maximum Capacity:** 1

**Bed slide system provides easy access for burn patients and patients with reduced mobility**

- Simplified caster mounting and peripherals allow **layout changes**
- **Easy** observation of **patients by** securing observation window
- Secured a number of spare connectors for mounting other options
- **World-class chamber technology** ensures safety
- Secure **automatic control system** for easy chamber depressurization and pressurization
- **Safe systemic hyperbaric oxygen therapy** that can withstand high pressure
- Maintain proper pressure and ensure safety by adopting solenoid valve, proportional control valve and spring valve
- **Digital Pressure Sensor:** Signals the pressure in the chamber to the controller
- **Pressure control proportional valve:** Maintains the pressure set in each mode by receiving a pressure signal from the controller
- **Solenoid valve:** maintains set pressure by receiving pressure signal from controller
- **Rated power supply voltage, frequency, power consumption** (System 220V / 50 / 60Hz / 35VA) O<sub>2</sub>ONE H750 (225 cm x Ø 75 cm, 70 kg)/ O<sub>2</sub>ONE H810 (225 cm x Ø 81 cm, 75 kg):

# O<sub>2</sub>ONE 710/810



- Convenient **slide entry door**
- Internal **pressure release safety button**
- **Intercom system** for talking with an operator outside the chamber
- **Wide window** for easy user identification
- **Automated control system** that automatically adjusts pressure from 1.1 ATM to 1.5 ATM, time and temperature (+5C0 to + 25C0)
- **Cooling system** to lower oxygen temperature at high pressure and high temperature
- **Smart remote control** with adjustable time, pressure and temperature
- **Material:** aluminum, **power:** 220VAC ± 10%, 60Hz, 250VA
- **Oxygen generator:** 90% ± 5% O<sub>2</sub>, flux : 5 Liters/min;
- **System + Air Cooler:** Dual Head Oilless
- **Installation space:** 1.5 m × 2.5 m / 2 m × 2.5 m

## Medical Oxygen Concentrator



Different from ordinary pressure oxygen machines, high pressure oxygen concentrators refer to the oxygen concentrating machines whose outlet pressures are in the range of 0.14-0.4Mpa.



Application:

1. Suitable for use at home, GYM or sports training center;
2. Help prevent a person from acquiring altitude sickness during hike;
3. Encourage body to produce more red blood cells;
4. Improve Muscular endurance.

Hypoxic Purity 9%-20.9% (±3%)  
Simulated Altitude from 0-8500M

# OXYSYS 4500



**OXYSYS 4000** (220 cm × Ø 70 cm, 22 kg -  
**Installation space:** 1.5 m × 2.5 m)  
**OXYSYS 4500** (220 cm × Ø 90 cm, 25 kg -  
**Installation space:** 2 m × 2.5 m):

2psi / 4psi **pressure adjustable - flux:** 85 Liters/min

- When an emergency pressure release knob applies
- **Cooling system** to lower oxygen temperature at high pressure and high temperature
- **Wide window** for easy user identification
- Treatment time setting time automatic control system
- Contact possible with an external chamber organizers chime
- Robust appearance for easy installation and movement
- **Power:** 220VAC ± 10%, 60Hz, 250VA
- **Oxygen generator:** 90% ± 5% O<sub>2</sub>, flux : 5 Liters/min;
- **System + Air Cooler:** Dual Head Oilless
- **Hard Type Pet Chamber:** material: Polycarbonate  
Size / weight (90 cm x Ø 60 cm, 60 kg), pressure 3 psi  
flux : 85L/min, **Specification:** Dual Head Oilless
- **Soft Type Pet Chamber:** material: Air-wall Type, PU Installation space :  
1.5 m × 2.5 m (130 cm × Ø 70 cm, 18 kg), Pressure 3 psi; Flux : 85 L/min;  
**Specification:** Dual Head Oilless

## Coctail Oxygen Concentrator



Reduces fatigue, helps eliminating chronic fatigue syndrome; Improves the sleep;  
Anti-aging and Beauty maintenance;  
Lose weight; Activates metabolism;  
Optimizes the respiratory, cardiovascular, nervous and digestive systems;  
Stimulates cardial and cerebral circulation;  
Optimizes the blood sugar concentration, increases the hemoglobin content;  
Stimulates the immune system;  
Facilitates optimal fetal development during pregnancy; It can be applied at, Drinks chain, Oxygen Bar, Club, Beauty Salon, Gym, Home, Massage Spa, school, etc;