

Hyperbaric Oxygen Heals Traumatic Brain Injury and Concussion

Hyperbaric oxygen therapy (HBOT) accelerates healing in the brain by delivering 400x more oxygen, stimulating new growth in damaged brain tissue.

This is the **Patient view** of the brochure.



How Hyperbarics Helps



Improves oxygenation to damaged tissues in the brain



Reduced inflammation in the brain



Oxygenates tissues by increasing oxygen and blood flow to idling brain cells



Stimulates tissue repair



Stimulates up-regulation of growth hormones



Promotes stem cell reproduction and mobilization

HBOT is an effective treatment to not only alleviate symptoms and reverse brain damage.

Concussions and traumatic brain injuries (TBI) can cause a number of debilitating conditions with few treatment options. Fortunately, HBOT has helped many people. It is an effective treatment to not only alleviate symptoms and reverse brain damage.

But what causes TBI and concussions? They can be caused by sports injuries, an automobile

accident, birth trauma, stroke, surgery, or in the case of military service members, blast injuries, in addition to many other factors. It turns out that the likelihood of experiencing these symptoms does not seem to be correlated with the intensity of the injury, and patients who experience intense symptoms often did not lose consciousness.

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Approximately 25% of patients with mild traumatic brain injuries (mTBI) suffer from ongoing problems. Without HBOT these problems can last a lifetime. Symptoms from concussions and traumatic brain injuries, (TBI) can include memory loss, sensitivity to lights and sounds, headaches, poor concentration, decreased processing speed, mood swings, anger control issues, sleep disturbances, dizziness, and depression. Often, patients experiencing post-concussion syndrome notice a difference in their brain-processing abilities as well as their moods. Fortunately, patients who undergo HBOT can find relief for their mood swings and slower processing speeds.

These are often physiological issues caused by concussions which can often be healed. What does Hyperbaric oxygen therapy (HBOT) do? It accelerates healing in the brain by delivering 400x more oxygen. This stimulates new growth in brain tissue that was damaged. Brain tissue that is starved for oxygen is called hypoxic tissue. HBOT reduces cell death in nerve cells, which leads to improved thinking and promotes neural stem cell activation and growth. HBOT also helps on a cellular level by stimulating recovery of the mitochondria, which are the power plants inside your cells that produce energy. This results in greater energy, alertness and healing.

Patient Experiences

Listen to what real patients have to say about their experiences.



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Until recently, Shawn held the world record for the largest wave ever ridden. One day while surfing, Shawn had a major accident on the rocks. He broke his neck in four places and experienced significant traumatic brain injury (TBI). As Shawn said “I had suffered major brain damage.” His neurologists had no more answers on how to help him return to normal. As he said “before hyperbaric Oxygen therapy, I was a mess. I wasn’t myself, and was desperate to find a solution to the pain, the headaches, and the brain fatigue.” After only his first treatment, he felt an improvement; the effects were immediate. Shawn said, “I could feel my old self coming back. I was aware that I was going to get better, finally.” In the end, Shawn attributes his full recovery from concussion symptoms to Bay Area Hyperbarics. He is surfing once again and continues to ride the big waves.

Shawn Dollar, 34

Fully recovered from concussion symptoms caused after a surfing accident.



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Kevin had suffered several concussions while playing football. Previously a very good student, he found himself unable to attend High School classes. Instead, he lay most days on his bed in his darkened room depressed, unable to read, talk, or hang out with his friends. His parents were frantic. Kevin had tried prescription drugs and therapy which helped some with his systems. However, they did not eliminate the headaches, fatigue or improve his mood. They did not get him up and back to school. After HBOT, Kevin could attend school again and interact with his friends. HBOT made a major impact on bringing back Kevin's cognitive and emotional health and well-being.

Kevin, 18

Improved functionality was hampered due to injury caused while playing football.



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Mara had severe brain trauma at birth, so at 3 months old, her mom brought her into HBOT. She had a severely misshapen head, a tube in her stomach to feed her, and a tube to help her breath. Tragically, Mara's mother was told her baby would never recover nor respond like a normal child. She had already returned to the hospital twice for complications with her conditions. Mara's mother brought her in 5 days a week for treatment with HBOT. When Mara finished hyperbarics, her tubes had been removed. She could breathe on her own. She was able to eat and swallow food like a normal child. And Mara was strong enough to sit up and wave bye bye when encouraged. The nurse in the Pediatrician's office burst into tears of joy, when she saw the improvements in Mara's conditions.

Mara, 3 months old

Gained the ability to sit up, which she was unable to do because of severe brain trauma at birth.

Patients: Get Started with Hyperbarics

Its easy to get started with Hyperbarics. Just follow these simple steps.

1 Give us a call

Did a physician refer you? If so, they can download and fax us back a patient referral form. If not, our medical staff will discuss whether hyperbarics is right for you.

2 We talk with your insurance

Our medical staff contacts Medicare or private insurance to receive authorization and create a plan with you.

3 Patient starts HBOT

Our medical staff meets with the patient to ensure that HBOT is appropriatre, and contacts Medicare or private insurance to receive authorization.



Scan for free
consultation



Call Us: (408) 356-7438