

## **Healing Fibromyalgia** with Hyperbaric Oxygen

Most Recent imaging studies indicate that a significant number of fibromyalgia patients have detectable brain lesions. Hyperbaric OxygenTherapy(HBOT) has proven effective in promoting the healing of these lesions. This treatment enhances brain function, reduces fatigue, and significantly alleviates pain in patients with fibromyalgia



### **How Hyperbarics Helps**



Down-regulates inflammatory genes



Enhances delivery of antibiotics



Stimulates angiogenesis



Salvages & revitalizers damaged tissue



Stimulates stem cell reproduction and mobilization



Stimulates up regulation of growth hormones

















### What the Research Says

Fibromyalgia presents as a profoundly distressing condition characterized by widespread pain and its consequential impact on both the individual afflicted and their loved ones. The constellation of symptoms including pain, weakness, fatigue, sleep disturbances, and cognitive impairments significantly impairs daily functioning. Brain imaging studies often reveal lesions in the brain of fibromyalgia patients, underscoring the neurological aspect of the disease.

A seminal study conducted in December 2018 demonstrated the therapeutic potential of hyperbaric oxygen therapy (HBOT) in fibromyalgia management. This research showcased HBOT's capacity to ameliorate these brain lesions, resulting in marked improvements in cognitive function and overall well-being for patients.

The study involved taking brain scans of patients before and after undergoing 60 sessions of hyperbaric oxygen treatments (HBOT), utilizing two distinct brain imaging techniques. The findings revealed a notable reduction in, and in some instances complete resolution of, the lesions typically observed in fibromyalgia patients.

Remarkably, 70% of participants experienced significant alleviation of their symptoms, with several no longer meeting the diagnostic criteria for fibromyalgia.

Furthermore, the study observed substantial enhancements in patients' brain function, as evidenced by significant improvements in brain imaging. These promising results offer hope to individuals grappling with fibromyalgia and their supportive networks, suggesting the potential for HBOT to substantially alleviate symptoms and enhance overall quality of life.

While it's undeniable that hyperbaric oxygen therapy demands dedication and time investment, the profound testimonials from patients underscore its transformative impact. Many individuals have expressed gratitude for the restoration of their quality of life, crediting hyperbaric oxygen therapy as the pivotal intervention. At Bay Area Hyperbarics, we take pride in our 25-year legacy of compassionately healing patients with fibromyalgia and other challenging conditions. Allow us the privilege of supporting you on your journey to wellness.

### **Research Studies**

Front Psychol. 2018 Dec 1, Hadanny A, et al

# HBOT can Induce Neuroplasticity and Significant Clinical Improvement - Randomized Controlled Trial.

Fibromyalgia Syndrome (FMS) is a persistent and debilitating disorder estimated to impair the quality of life of 2–4% of the population, with a 9:1 female to male incidence ratio. The defining symptoms of FMS include chronic widespread pain, intense pain in response to tactile pressure, prolonged muscle spasms, weakness in the limbs, nerve pain, muscle twitching and extreme fatigue.

#### PlosOne, May, 2015, Shai Efrati, et al

# Hyperbaric Oxygen Therapy Can Diminish Fibromyalgia Syndrome – Prospective Clinical Trial

The study provides evidence that HBOT can improve the symptoms and life quality of FMS patients. Moreover, it shows that HBOT can induce neuroplasticity and significantly rectify abnormal brain activity in pain related areas of FMS patients.

#### Clinical and experimental rheumatology, Feb, 2019

# Hyperbaric oxygen treatment of fibromyalgia: a prospective observational clinical study

Fibromyalgia syndrome (FMS), a condition considered to represent a prototype of central sensitization syndrome, can be induced by different triggers including childhood sexual abuse (CSA). Current treatment options are only partially effective, but hyperbaric oxygen therapy (HBOT) seems to be capable of relieving some of the symptoms. The aim of this study was to evaluate the efficacy and safety of HBOT after fewer sessions than generally used, chosen on the basis of pre-clinical and clinical data showing its rapid and sustained antinociceptive effect.

## **Patient Experiences**

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





An articulate 27 year-old woman, Brandi experienced extreme fatigue, generalized nerve pain through her body, and neurocognitive challenges. It took two years for her physicians to diagnose her condition as fibromyalgia. Sadly, her illness became so acute that she could no longer maintain a regular work schedule. As a result, she had to move in with her parents. Fortunately, Brandi found Bay Area Hyperbarics. Though treatments took time to improve her health, she stuck with it. After 40 treatments, her fatigue, her ability to sleep a whole night through, her sensitivity to touch and her ability to concentrate improved significantly. By the time she finished, she was able to return to work, had restarted her social life, and was pursuing a new romantic interest.

### Brandi, 27

After losing work and relationships due to fibromyalgia, hyperbarics gave her life back.



As a mother of two, Priya loved playing with her kids. She had ongoing migraine headaches as well as Fibromyalgia. Fortunately, hyperbarics helped eliminate the migraine headaches, and healed the nerve pain, fatigue and brain fog that accompanied her fibromyalgia. After treatment, she was again able to play with her kids.

### Priya, 38

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

## **Patients: Get Started with Hyperbarics**

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

- 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.
- We talk with your insurance

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

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.



## **Physicians: Refer a Patient**

Refer a patient in three easy steps.

You submit patient's information

As a provider, your office fills out and faxes back the Patient Referral Form. Have questions? Call us!

We get authorizations

We make sure the patient understands treatment and then follow the prescribed protocol to get the patient on the road to recovery!

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.



#### Reach out to us

#### We're here to help.

Contact us today to learn more about how hyperbaric oxygen therapy can help you.

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Call Us: (408) 356-7438

**FOR PATIENTS** 



Scan for free consultation

**FOR PHYSICIANS** 



Scan for Patient Referral Form