

HBOT and Parkinson's disease

Parkinson's disease is a neurological disorder and research has shown that hyperbaric oxygen therapy helps those suffering from it to better wellbeing and alleviates tremors.

According to MNT Knowledge Center website, "Parkinson's disease is a progressive nervous system disorder that affects how the person moves, including how they speak and write. Symptoms develop gradually, and may start off with ever-so-slight tremors in one hand. People with Parkinson's disease also experience stiffness and find they cannot carry out movements as rapidly as before - this is called bradykinesia. The muscles of a person with Parkinson's become weaker and the individual may assume an unusual posture.

Parkinson's disease belongs to a group of conditions called movement disorders. Movement disorders describe a variety of abnormal body movements that have a neurological basis, and include such conditions as cerebral palsy, ataxia, and Tourette syndrome." The disease also affects the voice and sense of smell.

HBOT alleviates tremors

On the Advanced Hyperbaric Recovery website we can find an article detailing the cases of five Parkinson's sufferers, who all underwent hyperbaric oxygen therapy, at varying pressures. "All 5 patients reported a decrease in tremors and an improvement in general well-being. The patients underwent an initial course of 10 treatments and were allowed to continue treatment as needed until they perceived a plateau in benefit. The treatment benefit appeared sustained for approximately 1-5 months, and was re-established following additional HBOT. There were no complications. HBOT may be a safe and effective treatment option for patients with PD." Read the case reports [here](#) or by following the 2nd link under references.

"HBOT is a safe, easily administered, and relatively inexpensive treatment. K.H. Holbach reported that HBOT treatment at 1.5 ATA resulted in a balanced cerebral glucose metabolism, which indicated an improved oxygenation and energy production of the injured brain. In this preliminary study to determine if HBOT could play a role in treatment of PD, patients were treated, depending on the severity of their symptoms, from 1.5-2.0 ATA. The treatment ATA and the number of treatments were determined by the patient symptoms in relation to their subjective perceived benefit of treatment and the observations of the patient's spouses or care givers. The positive preliminary results reported in this small group of patients may be due to a placebo effect. A prospective study using a constant ATA and objective assessment of effectiveness should now be performed to further evaluate the role of HBOT in the treatment of PD."

Read another detailed case report [here](#).

AHA Hyperbarics does not provide medical advice, diagnose health conditions or prescribe treatment. The contents of the AHA Hyperbarics site, such as text, graphics, photographs and other materials on the AHA Hyperbarics site are only for informational purposes.

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References:

Hoggard M. L., K. E. Johnson and D. Y. Shirachi. [**HYPERBARIC OXYGEN TREATMENT ON A PARKINSON'S DISEASE PATIENT: A CASE STUDY.**](#) J. Long School of Pharmacy. Published online.

[**Parkinson's.**](#) Published online on Advanced Hyperbaric Recovery website.

[**All About Parkinson's Disease.**](#) Published online on MNT website.