



Radiation Damage to the Abdomen

A study showed HBOT provided clinical benefit in over half of patients with radiation-induced hemorrhagic cystitis. These collective findings support the use of HBOT as a valuable management strategy for clinicians treating radiation-related complications and optimizing radiotherapy for their cancer patients.

How Hyperbarics Helps



Significantly improves pain, symptoms, and quality of life in breast cancer patients with radiation toxicities.



Provides clinical benefit for over 50% of patients with radiation-induced hemorrhagic cystitis.



Reduces late-onset radiation injuries to the head/neck, bone, prostate, and bladder.



Prevents osteoradionecrosis after exodontia in irradiated areas.



Increases the efficacy of radiation therapy for head/neck tumors and high-grade gliomas.

HBOT Emerges as Promising Therapy for Mitigating Radiation Toxicities and Enhancing Radiotherapy Outcomes

Radiation therapy directed at abdominal tumors saves lives. It can, in some cases, also lead to tissue damage and dysfunction, including enteritis (intestinal inflammation), proctitis (rectal inflammation), cystitis (bladder irritation), fibrosis (tissue scarring), and vascular injury.

These radiation-induced injuries can manifest as debilitating gastrointestinal, genitourinary, and musculoskeletal complications, such as pain, bleeding, diarrhea, incontinence, and bowel obstruction, that can persist long after the initial radiation treatment.

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There is growing evidence for the therapeutic benefits of hyperbaric oxygen therapy (HBOT) in managing radiation-induced complications and optimizing radiotherapy efficacy across different cancer types. A bibliographic review found Grade B/C evidence that HBOT can reduce late-onset radiation injuries, prevent osteoradionecrosis, and improve outcomes in head/neck tumors and high-grade gliomas (Fernandez, et al, 2021).

A large retrospective study in breast cancer patients demonstrated HBOT significantly improved pain, symptoms, and quality of life measures, with low rates of moderate/severe side effects. Additionally, a small study showed HBOT provided clinical benefit in over half of patients with radiation-induced hemorrhagic cystitis. These collective findings support the use of HBOT as a valuable management strategy for clinicians treating radiation-related complications and optimizing radiotherapy for their cancer patients.

Research Studies

Breast Cancer Research and Treatment (2021)

HBOT Demonstrates Efficacy in Mitigating Radiation-Induced Toxicities and Enhancing Radiotherapy Outcomes

This large study of consecutive breast cancer patients with late radiation toxicity shows a beneficial effect of HBOT on patient-reported symptoms and quality of life and functioning until at least three months after HBOT.

Urological Oncology

HBOT Improves Symptoms and Quality of Life in Breast Cancer Patients with Radiation-Induced Toxicities

We present the effect of hyperbaric oxygen therapy (HBOT) after radiotherapy for cancer in the pelvic cavity resulting in hematuria. Increasing the pressure of oxygen (PO₂) in ischemic tissues favors the formation of new blood vessels and increases the secretion of collagen.

Elsevier

The Efficiency of Hyperbarics Oxygen Therapy in the Treatment of Radiation-Induced Late Side Effects

In recent years, our understanding of the underlying mechanisms of late radiation-induced side effects has increased. Although cellular depletion and tissue devascularization were originally thought of as being the predominant pathologic basis for these side effects, they represent merely a histopathologic marker for a far more complex and clinically diverse problem

Patient Experiences

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



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Lisa St John, the clinic director for Bay Area Hyperbarics, had chronic refractory osteomyelitis that lasted seven years with no relief. The infection induced severe fatigue and cognitive impairment that prevented her from working, and required her to sleep up to 18 hours per day. Finally, a physician recommended hyperbaric oxygen therapy with antibiotics, which after 60 treatments, healed her. Shortly after being healed, she sold her home to begin her first hyperbaric oxygen therapy clinic, which she has owned for almost 25 years!

Lisa, 44

After seven years of suffering, hyperbaric oxygen therapy healed her osteomyelitis.



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Jennifer had osteomyelitis of the lower jaw (mandible), which proved difficult to heal. Her teeth were becoming loose, and her doctor thought she would need surgery. However, he prescribed hyperbaric oxygen therapy before the surgery, and after 60 treatments, her chronic refractory osteomyelitis healed completely, regrowing bone in her mandible. Jennifer was able to keep her teeth, and was able to return to her active lifestyle, hiking regularly with her husband.

Jennifer, 68

Hyperbaric oxygen therapy eliminated the need for surgery to heal her bone infection.

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 appropriate, and contacts Medicare or private insurance to receive authorization.



Physicians: Refer a Patient

Refer a patient in three easy steps.

1 You submit patient's information

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

2 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!

3 Patient starts HBOT

Our medical staff meets with the patient to ensure that HBOT is appropriate, 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.



Call Us: (408) 356-7438

FOR PATIENTS



**Scan for free
consultation**

FOR PHYSICIANS



**Scan for Patient
Referral Form**