

Brain Injury Case Studies Utilizing Hyperbaric Therapy

Treating Traumatic Brain Injury with Mild Hyperbaric Oxygen Therapy

Sam, a 10-year-old male suffered from a traumatic brain injury from a car accident two years prior. Physicians were initially unsure he would survive the accident and expected him to be mentally and physically disabled for the rest of his life. At the time of this writing, Sam has undergone 80 hyperbaric treatments in a portable hyperbaric chamber utilizing an oxygen concentrator to enhance the amount of oxygen diluted into the tissues.

Sam began to speak some words again and is able to respond to commands. The 10 year old also has more control over movements, is able to walk with help and can now take care of some daily tasks that were impossible for him after the accident. Sam is continuing his hyperbaric treatments with the help of a hyperbaric chamber purchased for in home therapy.

Traumatic Brain Injury with Hyperbaric

Roberta, a 29-year-old female athlete, suffered a traumatic brain injury from a severe blow to the head. The accident resulted in her losing the ability to walk and severe speech impairment. Her circulation in her hands, feet and legs was poor and resulted in tingling feeling and a slight bluish color in her hands and feet. Roberta had 45 hyperbaric treatments in a hyperbaric chamber at 1.3 atmospheres over a three-month period and began to see immediate results.

Roberta gradually moved from an inability to walk to walking with assistance to walking on her own after the first 45 treatment sessions. The circulation throughout her body has improved and she no longer has tingling sensations and her extremities are a normal color once again. Her speech improved dramatically after the first hyperbaric session and her communication continues to improve as the therapy continues. Roberta continues her hyperbaric sessions and hopes to return to her activity level prior to the accident.