# How cells sense and adapt to changing oxygen availability

The discovery of the molecular mechanisms underlying how cells sense and adapt to variations in oxygen supply was awarded the Nobel Prize in Medicine 2019.

The three Nobel Laureates revealed the mechanism for one of life's most essential adaptive processes and established the basis for our



understanding of how oxygen levels affect cellular metabolism and physiological function.

#### ReOxy 60-2001



This is the **ReOxy**<sup>®</sup> breathing therapy device which provides treatment using individually tailored reduced-oxygen (hypoxic) gas mixtures, interspersed with oxygenenriched (hyperoxic) mixtures, monitored and adjusted in real time during the procedure.

## **ReOxy**<sup>®</sup>

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ARTG 408421 Regenerative Network 77 Cecil Ave Castle Hill NSW 2154

> Manufactured by Bitmos GmbH, Germany

Disclaimer: In Australia, some therapies are not officially recognised as part of mainstream medical practice. These therapies, including IHHT, are known as complementary therapies and are considered useful as an additional treatment to those offered by your medical practitioner. ReOxy Breathe. Live better

### An innovative breathing therapy

#### **ReOxy® uses AN INNOVATIVE THERAPEUTIC METHOD BASED ON HYPOXIA** – a state characterised by decreased oxygen levels in the body.

This state occurs at high altitudes where oxygen levels are lower. Our bodies have a natural ability to adapt to such variations in oxygen and this adaptative reaction induces changes within our organs, tissues, and cells to enhance the body's overall resilience and performance. The benefits of these adaptive effects are well known and top athletes train under those conditions to improve their performance.

## ReOxy MAKES SAFE HYPOXIA ACCESSIBLE TO EVERYONE

ReOxy<sup>®</sup> uses Intermittent Hypoxia Hyperoxia Therapy (IHHT) – alternating periods of reduced oxygen (hypoxia) and increased oxygen (hyperoxia).

Reduced and enriched oxygen gas mixtures lead to more efficient transport and utilisation of oxygen by body tissue.

The therapy is based on short periods of controlled hypoxia with intermittent recovery intervals. The recovery periods are rich in oxygen to increase the positive effects and efficiency of the hypoxic therapy.

Every person is unique and needs a specific program. Our proprietary software uses artificial intelligence-based technology to calculate the best-suited program for you.

The recommended treatment regime is 20 sessions, at a minimum frequency of 3 sessions per week.

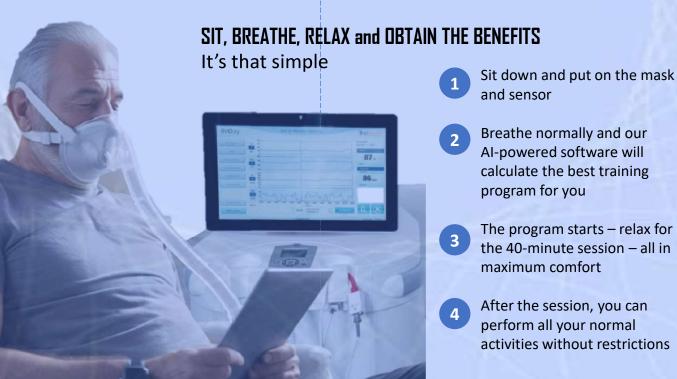
The method is 100% drug-free.

### HYPOXIC THERAPY (IHHT) TARGETS





#### Post COVID rehabilitation



## POSITIVE EFFECTS REACH THE ENTIRE BODY

**Nervous System** 

**Cardiovascular System** 

**Respiratory System** 

**Bones & Joints** 

**Metabolism**