

O2 Capsule Box Inc.

Hyperbaric Oxygen Solutions

# NASA and the Origins Of Hyperbaric Oxygen Technology

## ntrocuction

"While NASA has long used pressurized environments for astronaut recovery in space, hyperbaric oxygen therapy (HBOT) has its roots in treating divers for decompression sickness.

Divers exposed to high-pressure environments often experience nitrogen bubbles forming in their bloodstream as they return to normal pressure, a condition known as 'the bends.'

HBOT was developed as a solution for this issue by using a controlled high-pressure environment to dissolve these bubbles and promote faster recovery.



Over time, this therapy has been adapted for medical use to accelerate healing, reduce inflammation, and promote tissue regeneration.

Timeworld has taken the principles of hyperbaric oxygen therapy and refined them into the O2Box, leveraging decades of research and development.

Our product is now being used not only in medical settings but also in clinics, wellness centers, and sports facilities to enhance recovery, anti-aging, and overall well-being."



Bound oxygen
Since it is bound to hemoglobin, it does not easily pass through the capillaries

Dissolved oxygen Dissolved in molecules, it reaches every corner

of the body

According to Henry's law,

pressure is different from

oxygen taken in under high

"bound oxygen" that binds to

hemoglobin and transports

oxygen through the blood,

of "dissolved oxygen" that

dissolves in the blood and

body fluids and directly

supplies oxygen to cells.

and contains a lot

maximum pressure 1.3 atm maximum 50% high concentration oxygen



## Intake of high concentration oxygen by hyperbaric oxygen capsule

The oxygen capsule creates an environment where you inhale higher pressure (up to 1.3. atmospheres) and higher concentration of oxygen (up to 50%) than normal.

The amount of oxygen in the body roughly doubles, activating cells and promoting metabolism.



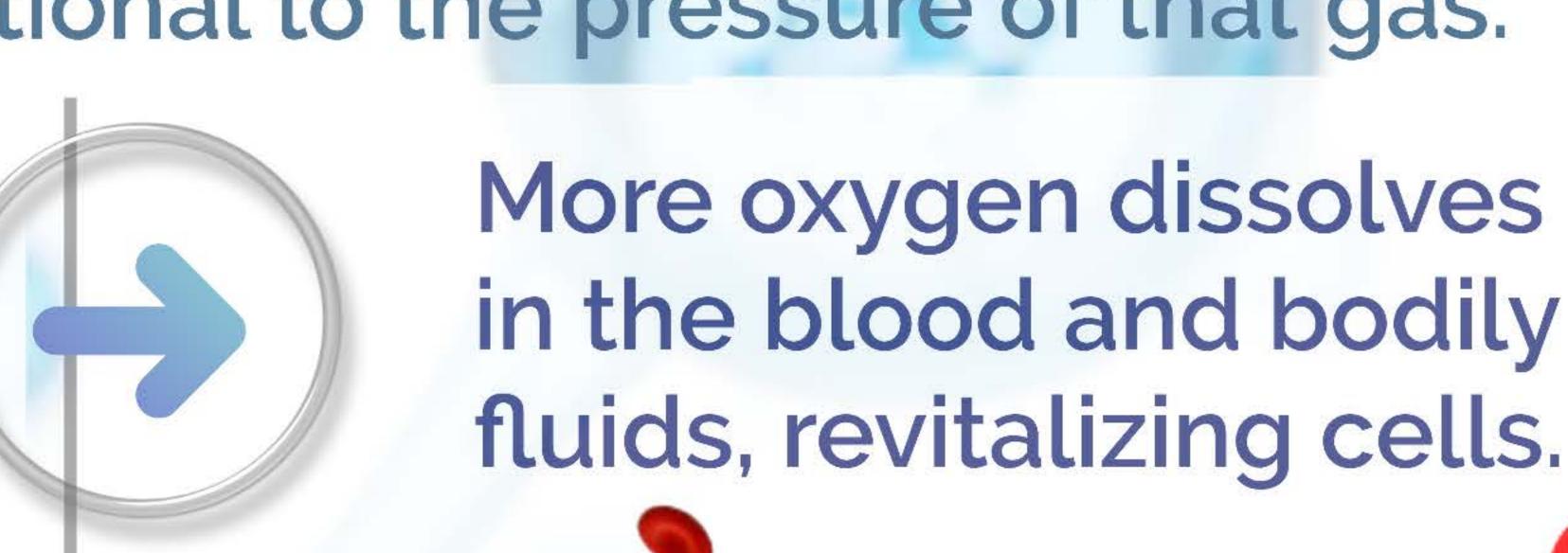
Henry's law:

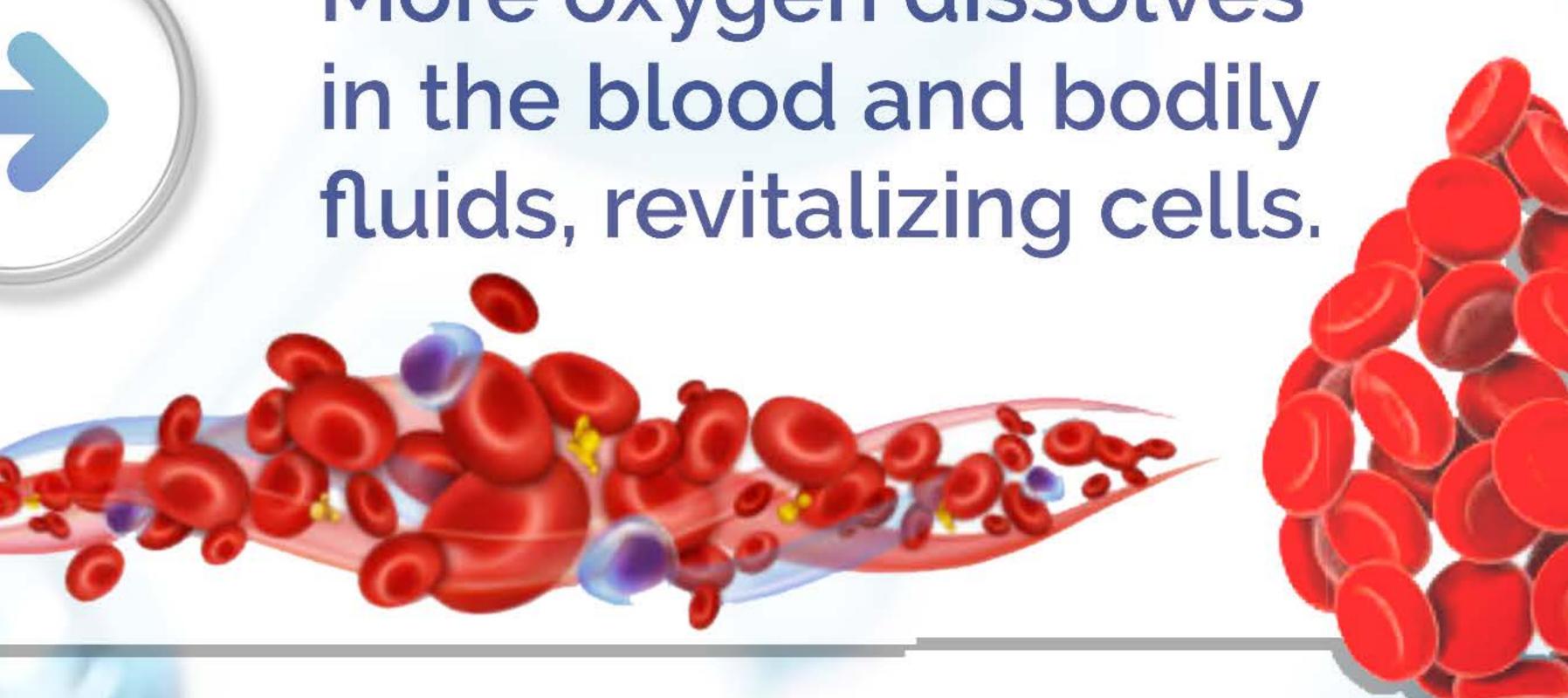
The theory that the amount of gas dissolved in a liquid is proportional to the pressure of that gas.

Inhale high-concentration oxygen up to 50% in a highpressure environment of up to 1.3 atmospheres



Increase the amount of dissolved oxygen that can only be absorbed in small amounts through normal breathing (Henry's Law)





# Timeworld's Innovation and Vision

"Timeworld Inc. is a leader in the hyperbaric oxygen chamber industry, with over 25 years of expertise in the development, design, manufacturing, and maintenance of these advanced recovery systems.

With a focus on safety, reliability, and innovation, we have installed more than 6,000 units across Asia, making us the No.1 oxygen chamber manufacturer in the region.

O2ボックスメーカー



Timeworld has continuously pushed the boundaries of hyperbaric oxygen therapy (HBOT) by refining and enhancing its technology to meet the growing demands of the healthcare and wellness sectors.

We are dedicated to providing solutions that accelerate healing, promote recovery, and reduce the effects of aging.

By leveraging our deep understanding of oxygen therapy, our O2Box has become the preferred choice for clinics, wellness centers, and even professional sports teams seeking to offer their clients faster recovery times and improved well-being."





# Our active customer base in Japan

The O2Box is not just another product—it's a culmination of decades of research, designed with precision to support human healing.

Using advanced hyperbaric oxygen technology, we deliver a safe and reliable solution for reducing inflammation, improving circulation, and promoting tissue regeneration.

These benefits make the O2Box an indispensable tool for medical professionals, wellness practitioners, and athletes alike.























































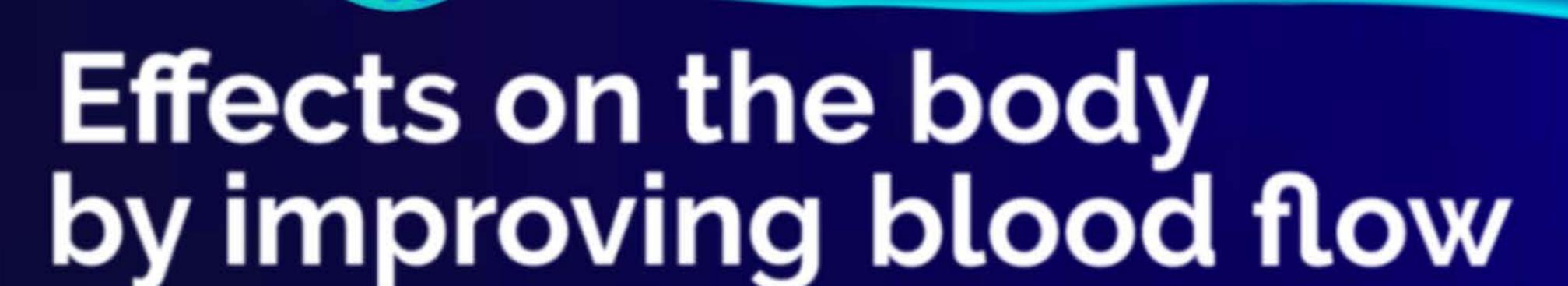








The enhanced oxygen levels not only support recovery but also work to improve skin elasticity, reduce wrinkles, and promote overall rejuvenation



What happens if blood circulation is poor?

Many disorders appear

- ·Headache
- Stiff shoulder
- Skin irritation
- Lower back pain
- Constipation

HEALTHY CAPILLARIES

Reason is weakening of capillaries

Capillaries are:

When capillaries age...

- 0.0.1 mm thin.
- Account for 99% of the blood vessels in the body.
- · Aging begins in the 20s
- 70, about 40% of them disappear.

By the age of our 60 and

The key to Health

is Capillaries

#### Main functions of blood flow

Transporting oxygen and carbon

Transporting nutrients throughout the body Removing waste products of the body

Transporting hormones

Regulating body temperature

Healing wounds

Removing foreign substances

Poor blood flow causes physical discomfort

Easy to

POOR BLOOD CIRCULATION

GHOST BLOOD /ESSELS Gain Weight PHYSICAL AIL.MENTS

Bone

Aging

Wrinkles and Sagging skin

Swelling

Loss of

firmness

and shine

in hair

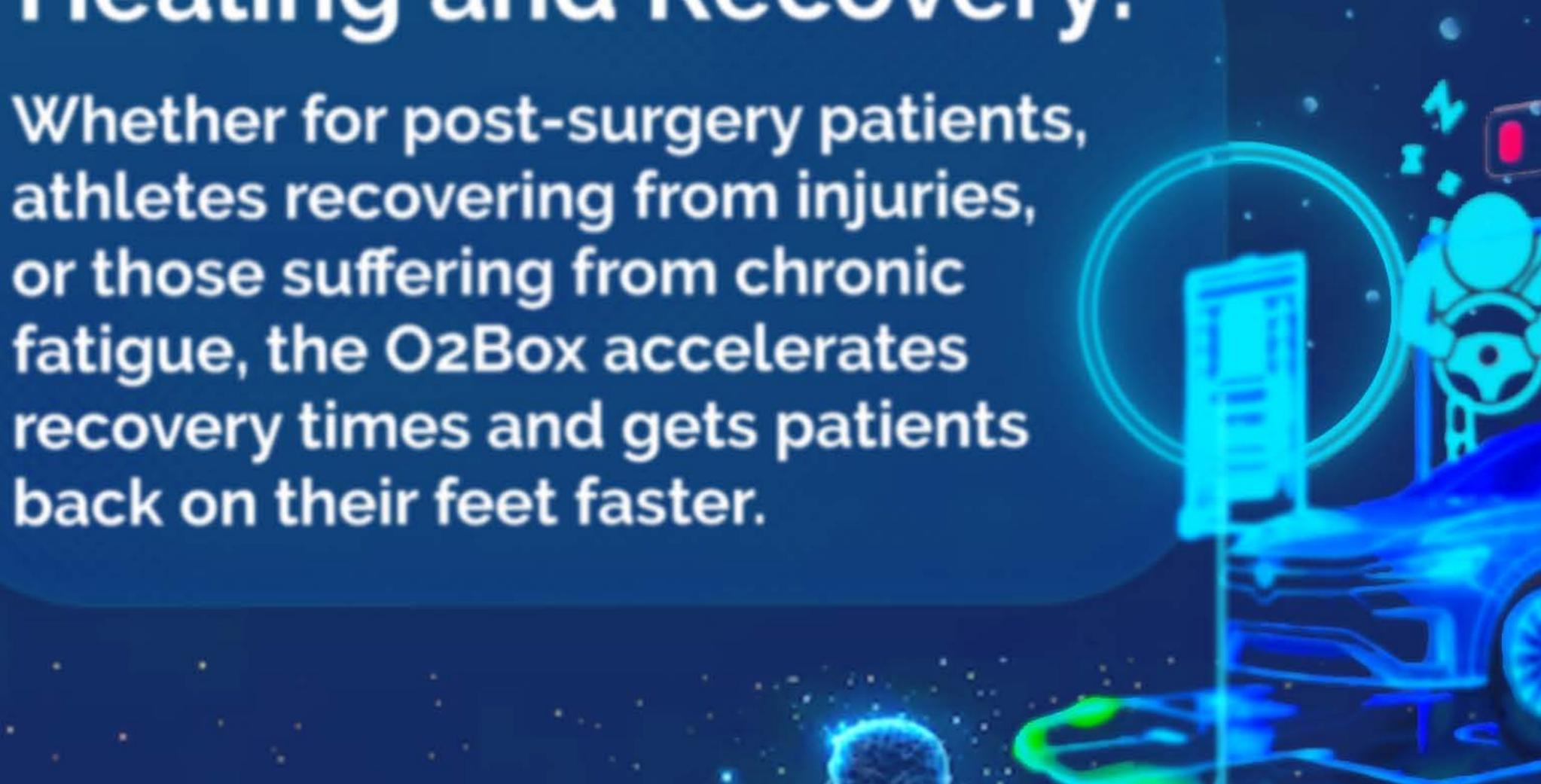


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### Healing and Recovery:

athletes recovering from injuries, or those suffering from chronic fatigue, the O2Box accelerates recovery times and gets patients back on their feet faster.





When driving under normal conditions, brain activity decreases over time, but it was confirmed that brain activity can be maintained when driving while inhaling air with an oxygen concentration of 30% (oxygen driving).



## Marketing Focus:

Our marketing strategy centers on the key applications of the O2Box:

Results of using oxygen capsule 30 minutes after ligament rapture



### Effect on the body under pressure.

The effects of compression wear

What is compression wear?

It applies moderate pressure (= compression)

to the body to support movement. Applying pressure to the body improves blood flow, reduces fatigue and improves recovery.

#### Other Benefits

- Improve performance during exercise.
- Prevent injuries.
- Increase core body temperature
- Reduces swelling.

air with an oxygen concentration of · 30% is effective in reducing psychological and physical stress.

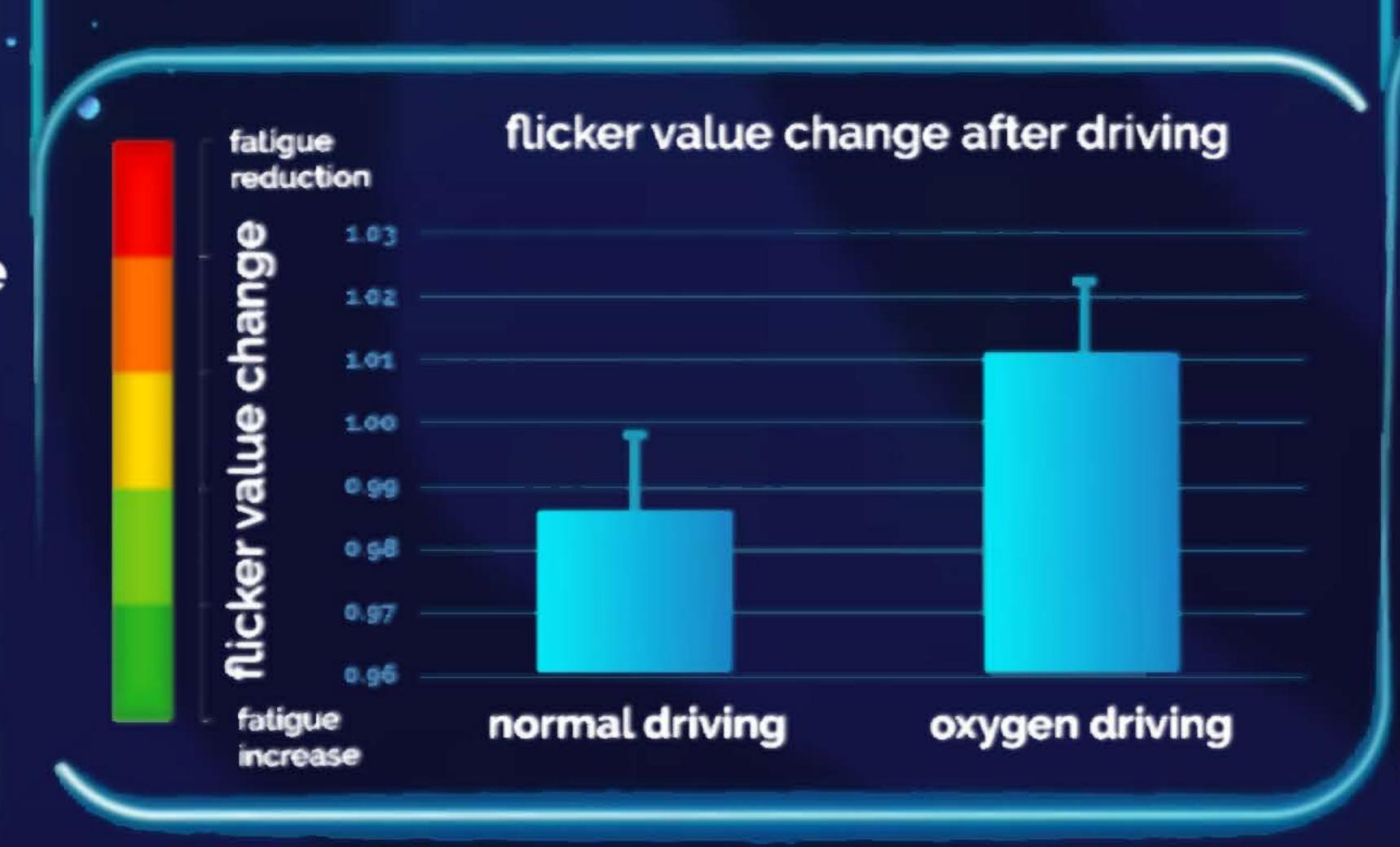
It was also confirmed that inhaling

#### Measurement of flicker value (fatigue level) after driving

\* Normal driving: Flicker value decreases Oxygen driving: Flicker value increases

Driving with oxygen causes less fatigue than normal driving.

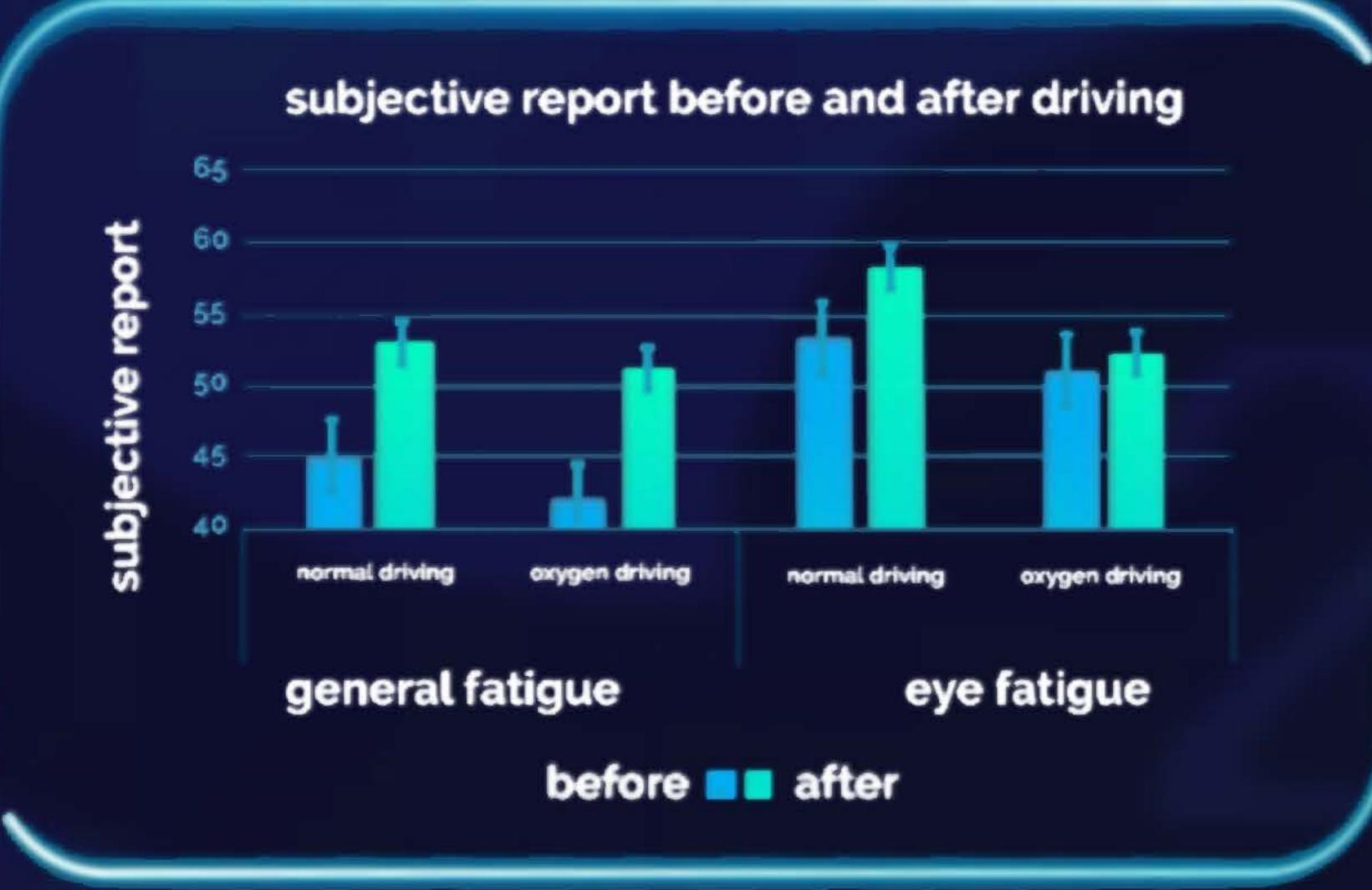
By inhaling high-concentration oxygen while driving, fatigue while driving is reduced.





#### Eye fatigue after driving

Normal driving caused a greater increase in eye fatigue after driving, whereas oxygen driving caused a smaller increase in eye fatigue after driving.





The enhanced oxygen levels not only support recovery but also work to improve skin elasticity, reduce wrinkles, and promote overall rejuvenation

## Effects on the body by improving blood flow

What happens if blood circulation is poor?

All kinds of disorders appear

- ·Headache
- Stiff shoulder
- Skin irritation
- Lower back pain
- Constipation

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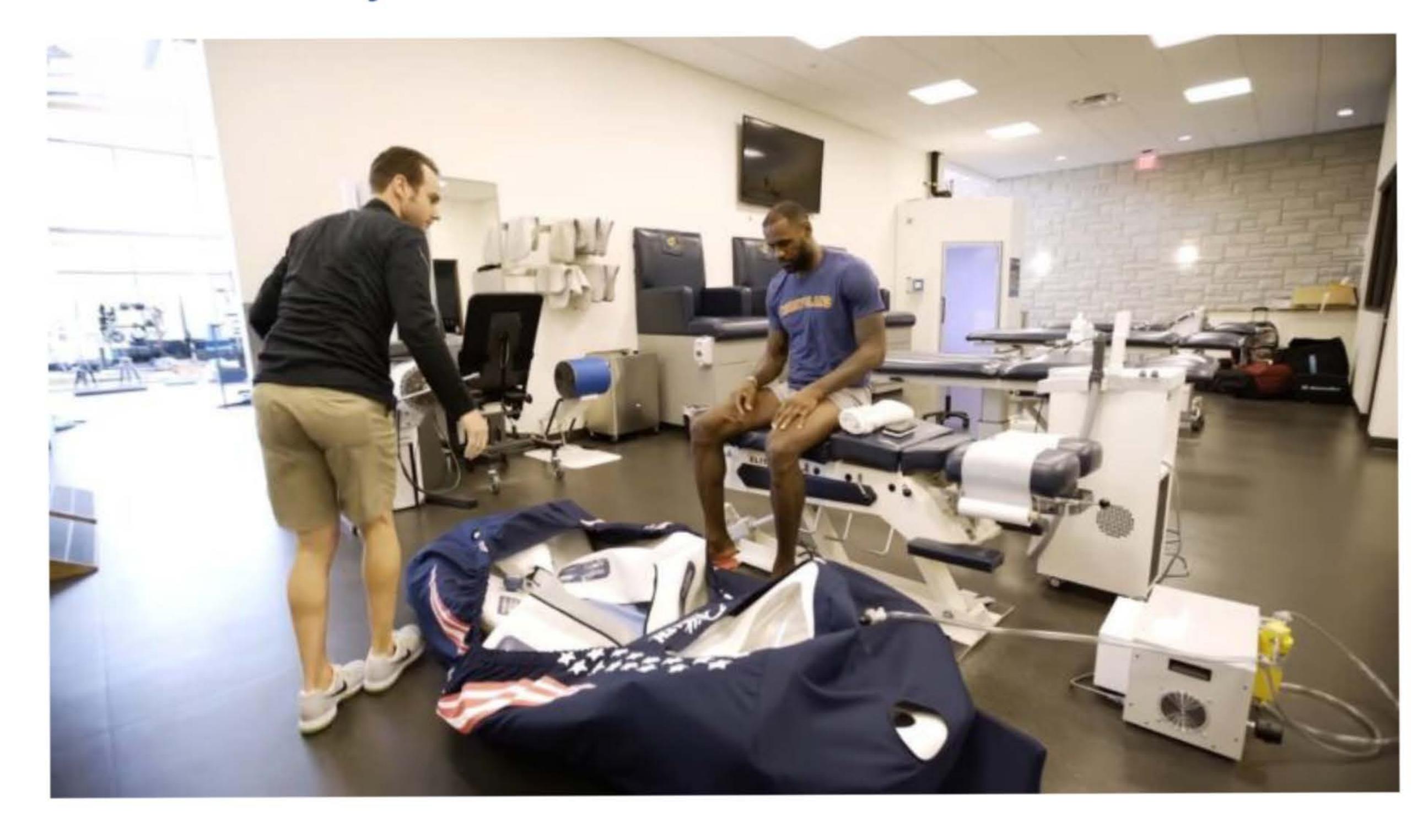
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# Science-Backed Benefits of Hyperbaric Oxygen Therapy (HBOT)

"Hyperbaric oxygen therapy (HBOT) is a scientifically proven method that enhances the body's natural healing processes by increasing oxygen levels in the blood and tissues.

This therapy has been widely used in medical settings for years, especially for conditions such as decompression sickness, non-healing wounds, and post-surgical recovery.

Over the last few decades, HBOT has expanded beyond traditional medical use to include applications in wellness, anti-aging, and athletic recovery"



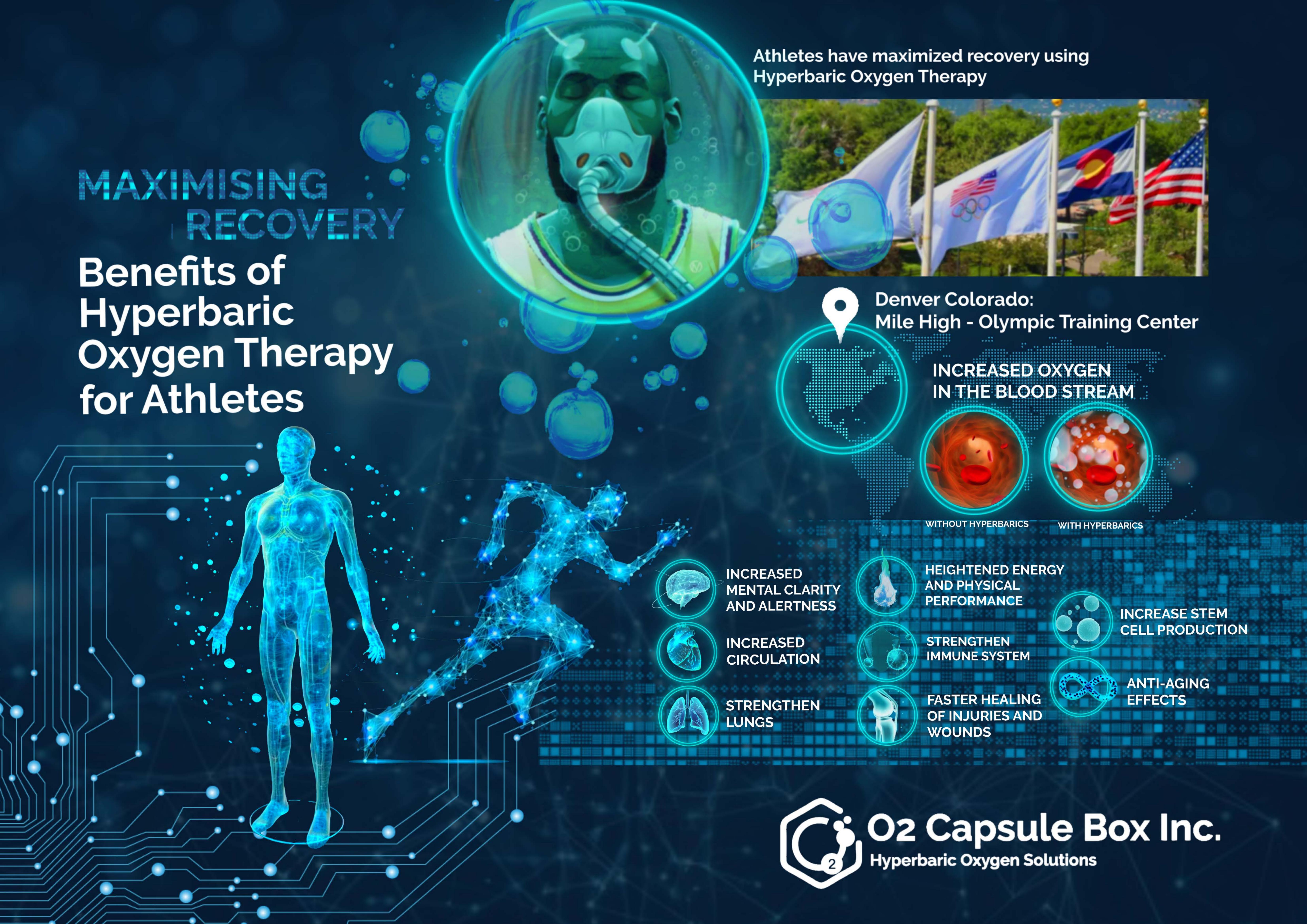
- Increased Oxygen Levels:
   Hyperbaric chambers increase oxygen supply to tissues, accelerating healing processes, reducing inflammation, and promoting cell regeneration.
- •Evidence of Efficacy:
  Clinical studies show that HBOT reduces
  fatigue, improves immune function, and
  enhances recovery from injuries such as
  bone fractures. It has also shown efficacy
  in managing sleep apnea, increasing
  growth hormone production, and helping
  manage stress.
- ·Anti-Aging and Recovery:
  Research supports the use of HBOT for anti-aging and recovery, showing improvements in skin elasticity, reduction in wrinkles, and better circulation.
  Timeworld's chambers facilitate better oxygen absorption, promoting overall physical rejuvenation.
- Professional Athlete Usage:
   Highlight that professional athletes
   frequently use hyperbaric oxygen
   chambers for faster recovery and injury
   prevention.

# Testimonials from Olympic Athletes

Hyperbaric oxygen therapy has become increasingly popular among Olympic athletes in recent years. Here are some testimonials from 10 athletes on how the therapy has helped improve their performance and recovery:

Athlete	Sport	Testimonial	
Michael Phelps	Swimming	"I used hyperbaric oxygen therapy to aid in my recovery during training and competition. It helped me feel fresh and ready to go for my races."	
Diana Taurasi	Basketball	"I credit my ability to stay healthy and strong during the season to hyperbaric oxygen therapy. It helped me recover quicker and avoid injuries."	
LeBron James	Basketball	"Hyperbaric oxygen therapy has been an instrumental part of my recovery process. It has helped me stay on top of my game even as I get older."	
Usain Bolt	Track and Field	"Hyperbaric oxygen therapy helps me stay at my peak performance level. It's a valuable tool in my training regimen."	
Simone Biles	Gymnastics	"Hyperbaric oxygen therapy has helped me recover from injuries faster and maintain my strength during competition."	
Tom Brady	Football	"I've been using hyperbaric oxygen therapy for years, and it has helped me to stay in top physical condition and recover quickly after games."	
Shaun White	Snowboarding	"Hyperbaric oxygen therapy has been a key part of my recovery process from injuries. It's helped me to get back on the slopes faster."	
Serena Williams	Tennis	"Hyperbaric oxygen therapy has helped me to recover quickly after matches and stay at my best throughout the season."	
Michael Jordan	Basketball	"I've used hyperbaric oxygen therapy to help me stay at my peak performance level throughout my career. It's been a game changer."	
Lindsey Vonn	Skiing	"Hyperbaric oxygen therapy has been an essential part of my training and recovery process. It's helped me to stay on the slopes longer and avoid injuries.	

Reference: https://hyperbaricoxygeninstitute.com/10olympic-athletes-hyperbaric-oxygen-therapy





# Product Overview: O2Box Models and Features

"Timeworld's O2Box is a revolutionary hyperbaric oxygen chamber designed for use in various settings, including doctor clinics, wellness centers, and athletic facilities.

With over 25 years of experience in manufacturing hyperbaric chambers, we have developed the O2Box to deliver enhanced oxygen therapy in a safe, user-friendly, and highly effective way.

Our O2Box offers the latest in oxygen therapy technology, backed by the highest international standards (ISO 13485), ensuring it meets the needs of both medical professionals and wellness practitioners."

#### O2Box Capsules





Hardshell

Soft-shell (folding)

#### O2Box Chambers







02 Box T2-R



02 Box T810-R W2000



# Revenue Model for Distributors and Wellness Centers

Create a section where the potential revenue is calculated based on product usage:

#### · For Clinics:

Charge \$50-\$132 per session, with 4-5 sessions per day, creating monthly revenues of \$10,000-\$39,600 depending on the model.

#### Revenue Calculation

Variable	Value	Value	Value	
	T68-R	T810-R W200		
Price per Person per Session (60-min)	\$132.00	\$50.00		
Number of Sessions per day	5	4		
Number of Persons per Session	4	6		
Number of Business Days per Month	15	18		
Monthly Revenue	\$39,600.00	\$21,600.00		

### · Leasing vs. Purchase:

Introduce options for leasing, which offers tax benefits like expense write-offs and depreciation.

T68-R		
\$130,000.00	Price	Interest Rate
36 MONTHS	\$4,194.00	10%
48 MONTHS	\$3,297.00	10%
60 MONTHS	\$2,762.00	10%

T810-R W200 \$190,000.00	Price	Interest Rate
36 MONTHS	\$6,130.00	10%
48 MONTHS	\$4,818.00	10%
60 MONTHS	\$4,036.00	10%

#### For Capital Leases (Finance Lease Only)

Operational lease recognizes lease payments as an operating expense does not include the equipment as an asset on books.

For the above scenarios, the estimated monthly revenue is based on utilizing our units for 4 hours per day, 20 business days per month, at a rate of \$30 per person per session for the T2 unit, and \$40 per person per session for the T68 and T810 units.

