



# Bimini

INCREASE PERFORMANCE AND IMPROVE RECOVERY



# *About Bimini*

## *Get Back in the Game Quicker, Faster Stronger*

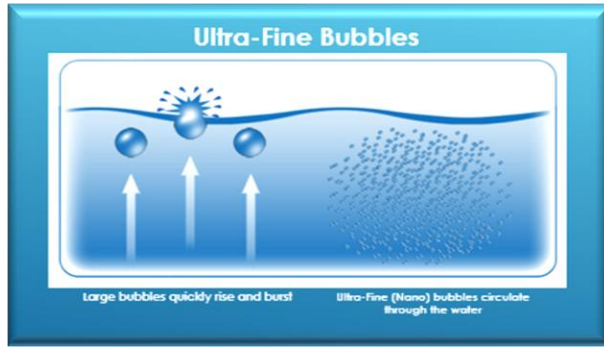
From athletes with sports injury to the everyday consumers of all ages, Bimini technology makes oxygen more readily available in the body to improve wellness and **Quality of Life**.

*According to legend, Ponce de Leon heard of Bimini from the Caribbean islanders. They described Bimini as a land of wealth and prosperity, and the mythical Legend became known as the Fountain of Youth.*

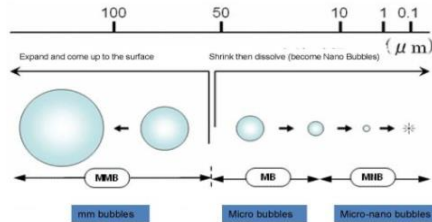
*While he was never able to locate the mythical fountain of youth, **Bimini Hydrotherapy** believes, with our revolutionary technology, we have created our own fountain of youth.*

# How Our Technology Works

## Simple explanation of a complex system



**MNB less than 50 micron in size shrinks**



The Bimini NanoJet Oxygen Perfusion System is a technological breakthrough for perfusion of oxygen into the body's soft cell tissue using Ultra Fine Bubbles (nano bubbles). These bubbles are so small they can penetrate the skin through pores allowing for exceptionally deep treatment.

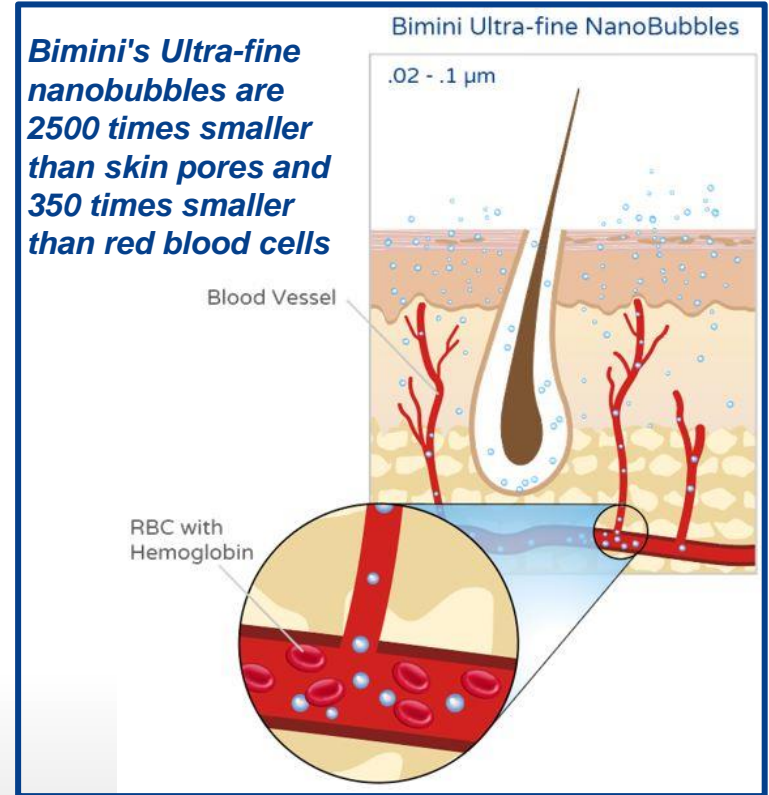
The Bimini NanoJet System is the only oxygen perfusion system that can produce nano bubbles as small as 0.01 microns. As an example, an average human hair cross section is 50 microns. The human eye cannot see smaller than 40 microns. This is accomplished by injecting concentrated oxygen into the flow of water being pumped from a whirlpool tub through the extremely complex, patented, Bimini NanoJet system.

The newly oxygenated water is then pumped back into the tub. The Ultra Fine Nano Bubbles are so fine they are a form of energy and stay submerged rather than rise to the surface allowing the oxygen to perfuse deeply into the soft tissue and increase oxygen in the cardiovascular system.

# How Our NanoJet® Technology Improves Oxygen Perfusion and Differs From HBOT

## Bimini NanoJet Ultra-Fine Oxygen Bubbles (UFOB)

- More comfortable and relaxing treatment
  - Unlike HBOT which uses pressurized chambers to increase oxygen, we deliver oxygen into the body as you sit in a comfortable pool of water.
- Shorter treatment times
  - 30-45 mins vs. 60-90 mins
- Water is naturally beneficial for the body compared to a pressurized chamber, which could lead to ear discomfort or injury.
- We can easily make any body of water oxygen rich for NanoJet UFOB treatment.
- Patients have told us they feel remarkable relief after just one Bimini treatment, where HBOT took multi treatments.



# Challenges for Athletes Today

In the last decade, competitive sports continue to increase the physical intensity required and so has the need to recover quicker from injuries and workouts. Therefore, there is an urgent need to develop more effective and accelerated treatments that allow the athlete to return to competition faster than with the normal course of rehabilitation and recovery periods.

We believe that the Bimini NanoJet Ultra-Fine Oxygen Perfusion System is a disruptive technology that will displace established practices and improve how athletes train and rehabilitate.



# Bimini's Solution for Athletes



**Improves  
Performance  
and Energy**



**Accelerates  
Muscle  
Recovery**



**Improves  
Recovery From  
Soft Tissue  
and Skeletal Injury**



**Decreases inflammation  
& swelling from  
inflammatory conditions  
or injury**



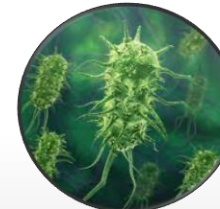
**Decreases pain  
perception/pain  
management**



**Helps Skin Conditions  
Dry Skin, Eczema,  
Psoriasis and Acne**



**Increases Mental Clarity  
And Focus on the Field  
and in the Classroom**



**Removes  
Impurities and  
Toxins from the  
Body**



**Improves Sleep**

# Bimini's Advantages to the Trainer



**Treat Multiple Athletes at One Time**



**Free Up Valuable Trainer Time, to Focus on Serious Injuries**



**Increased Athlete Performance, Recover Faster, Prevents Injuries**



**Coaches and Trainers Agree on Bimini Treatments**



**Get Players Back in Game Quicker, Faster and Stronger**



**Athletes Enjoy Comfort of Treatment, Making it Easy to Sell Players on Treatment**

## Additional Benefits of Oxygen in the Body: Broad Medical Studies listed in National Institute of Health (NIH) have Shown these Additional Benefits

- On a cellular level Oxygen helps replace cells that wear out, supplies you with energy and supports your immune system.
- Stimulate brain activity
- Increase memory capacity
- Raise energy levels
- Improve strength
- Build endurance
- Detox your blood
- Reduce stress
- Calm anxiety
- Alleviate tension headaches
- Remedy irregular sleeping patterns
- Help with cardiovascular activity
- Prevent lactic acid build up
- Strengthen the immune system





# Research

Bimini has current studies using non-invasive technologies to prove we can detect increased blood oxygen saturation of participants muscles. Proving the Bimini NanoJet® Ultra Fine Nanobubble technology can directly deliver oxygen through the skin into the smooth muscle tissue and blood stream. Therefore, increasing performance, accelerating recovery, decreasing pain & inflammation, increasing mental clarity along with other benefits.

*Bimini has partnered with Rice University and Methodist Hospital for research on increased performance and recovery. Our Medical team believes our technology will benefit many areas of medicine.*



## Purpose

The purpose of this study is to utilize a SensoKinetoGram (SKG) which provides objective physiological measurements to screen for injuries, ailments and to monitor recovery. The SKG RU-FIT model SR-3053 offers objective monitoring for sports training programs to aid trainers and coaches as they develop and improve the coordination and reaction times of their athletes. The SKG system is FDA approved and compliant with HIPAA regulations.



Figure 4: GBH-7063 Possible Injury Present to Bimini Treatment

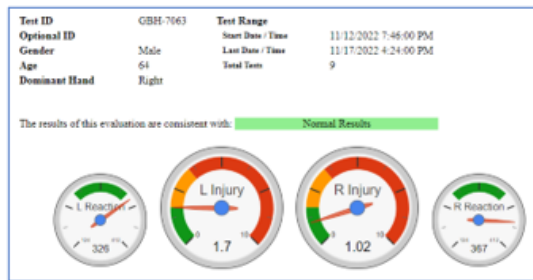


Figure 5: GBH-7063 next day after Bimini – Normal Results

## Conclusion

Our findings indicate that testing immediately after coming out of the tank has resulted in a marked feeling of relaxation / euphoria and mental clarity. Further testing has indicated increased performance and recovery are at a higher rate 1-2 hours after coming out of the tub. Athletes have shown significant improvements in performance and recovery from 1 to 24 hours after a Bimini session. A 46% improvement rate is consequential and impressive. Also noted after treating over 100 athletes over the past 6 months at Rice University there have been no adverse effects by sitting in the Bimini NanoJet oxygenated water, which leads us to believe there is no risk of oxygen toxicity.

The final conclusion of the studies and treatments using the Bimini NanoJet Perfusion System, it increases performance of the athlete, drastically improves muscle recovery and improves mental clarity.

Dave Carfagno – D.O. C.A.Q.S.M. Internal Medicine/Sports Medicine  
Paul Robbins – Sports Scientist for NBA/USTA  
Mayur Dev – R.Ph

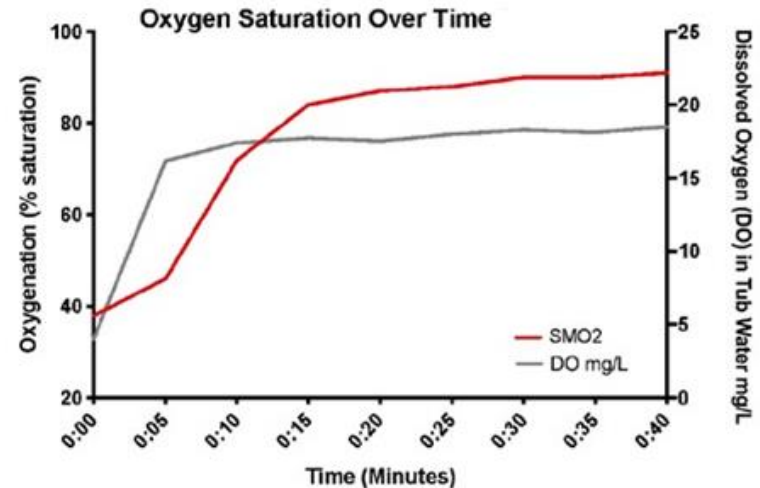
## Purpose

Athletes struggle with musculoskeletal injuries, pain and fatigue which can delay their next training session or even worsen their performance. The smallest decrease in recovery time is extremely valuable. We aim to combine this therapy with near-infrared spectroscopy (NIRS), using products from Moxy and Nonin, to measure regional oxygen saturation of the recovering tissues. This will provide motivated athletes with real time awareness of their muscle recovery.

## Conclusion

This study is in line with our prediction that the Bimini NanoJet® Ultra-Fine Bubble (UFB) hydrotherapy, a nanobubble oxygenation technology, will increase muscle oxygen levels and therefore decreased pain, inflammation and recovery time from exercise.

Utilizing the non-invasive technology NIRS, we were able to detect mixed venous blood oxygen saturation of tissues 1-3 cm below the skin by measuring the absorption spectra of the tissue chromophores oxyhemoglobin and deoxyhemoglobin. With most cases, after just 5 to 20 minutes in the Bimini NanoJet® hydrotherapy tub, individuals were increasing their muscle oxygen saturation from around 50% to over 90%. rSO<sub>2</sub> sampling increased 9.6% over the course of the treatment in our final case.



# Bimini Suggested Treatments

We discovered that the SmO<sub>2</sub> and rSO<sub>2</sub> oxygen levels started increasing after 15 minutes on the average.

**Recommended Treatment Water temperatures - 100°F to 98°F**

**Recommend Shower in hot water prior to getting into tub.**

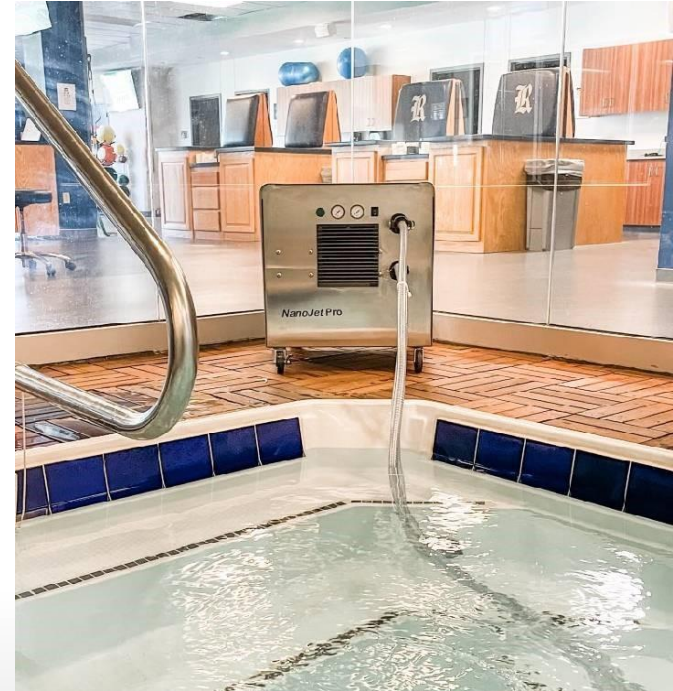
The heat of the water relaxes your skin, which helps get rid of excess oils.

## **Recommend Time of Treatments**

- |                           |                                      |
|---------------------------|--------------------------------------|
| • Pre-Workout             | 30 Minutes – 1 hour prior to workout |
| • Post-Workout            | 30 Minutes                           |
| • Minor Symptom Treatment | 40 Minutes                           |
| • Major Symptom Treatment | 60 Minutes                           |
| • Topical Skin Treatment  | 40 Minutes                           |

# Bimini NanoJet Oxygen Perfusion System

Our state-of-the-art system can be used in any existing or new hydrotherapy tubs. The Bimini System can be used as a portable system with hoses that easily feed into the water source or can be installed directly into the plumbing of larger whirlpools.



# Bimini System Applications

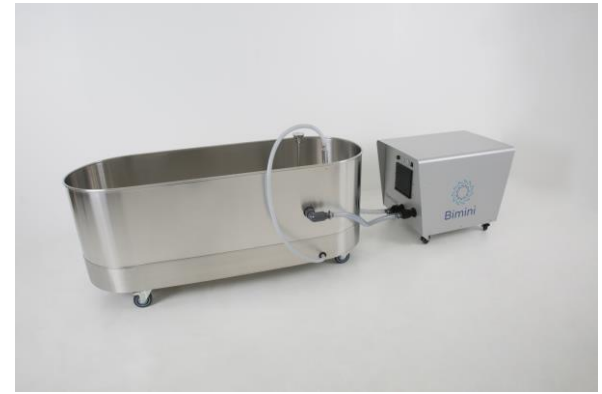
*Below are examples of applications in which our Bimini Systems will be used in:*



Bimini NanoJet Pro  
for Athletic & Rehab Facilities



Bimini NanoJet Eco for  
Home or Travel - Use



Bimini NanoJet for Isolated  
Treatments

# Bimini's Value to a Sports Program

- Get Key Athlete's back in the Game Faster and Healthier
- Faster Muscle Recovery Helps Reduce Injuries
- Increases Performance of Athlete thus Providing Competitive Advantage
- Treating Multiple Players at a Time, Addresses the Problem of Quality Trainer Shortage

**For as Low as \$14 a Day** - The Bimini NanoJet System will Increase Athletic Performance, Accelerate Recovery Time, Improve Recovery Time of Injuries, Improve Mental Clarity of Athletes and allows Treating of Multiple Athletes at One Time, Plus Much More.

## **Gain That Competitive Edge!**

# Testimonials

*“I’ve had inflammation and body soreness from various injuries over the years. After trying the Bimini product ONE TIME, my body soreness diminished by more than 50%. After my 3<sup>rd</sup> session, I was amazed at how great my body felt”.*  
**Gregg Williams – NFL/XFL Coach**

*“Our players felt a good sense of recovery using the Bimini system. After a game, it was Bimini Time”.*  
**Jason Biles Houston Rockets Athletic Trainer**

*“I was blown away by the Bimini Treatment. My body hasn’t felt this good in a long time. It’s Crazy, but the science is real!”*  
**CJ Mosley – NFL Defensive Lineman**

*“The NanoJet Pro has been a great addition to our existing whirlpools. We are able to treat multiple players at the same time in our large pool and our players are experiencing amazing results in both recovery and performance.”*  
**Dean Miller – Associate AD for Sports Medicine and Performance**

*“This Bimini NanoJet Technology reduces inflammation and can help bring people back to peak performance. As a matter of fact, after the treatment, I’m thinking about making a COMEBACK”.*  
**Reggie Johnson – 3X World Boxing Champ**

*“Bimini, that s\*\*t is FIRE!”*  
**Fred Kerley – Olympic 100M Champ**





Bimini