Kaqun Oxygenated Water Therapy to Augment HBOT

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PHYSIOLOGICAL OXYGEN LEVELS IN THE HUMAN BODY

**Blood**
Oxygen level is measured by:
- Pulse Oxymeter

**Tissue**
Oxygen level is measured by:
- Transcutaneous Tissue Oxygen
- Partial Pressure Meter
PHYSIOLOGICAL OXYGEN LEVELS IN THE HUMAN BODY

Blood:
- Constant throughout life
- Arterial: 103 Hgmm
- Venous: 40 Hgmm

Tissues:
- Declining with age
- 96 Hgmm at young age
- Below 60 Hgmm for seniors
- Varies at different organs
- Lower at chronic inflammation sites
- Lowest at cancer sites
<table>
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<tr>
<th>DECLINING TISSUE OXYGEN LEVELS WITH AGING AFFECTS:</th>
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<td>Physical energy</td>
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<td>Cognitive speed and mental clarity</td>
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<td>Reproduction and endocrine health</td>
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<td>Tissue repair and ability to heal</td>
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<td>Vulnerability to chronic diseases and cancer</td>
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HYPOXIA IN THE BODY

Occurs even in case of adequate respiration

Occurs without the symptoms of being suffocated

Could be local or general

Could affect organs or parts of the body even with normal blood supply

Cannot be normalized by normal or forced ventilation
HYPOXIA IN THE BODY

In almost all chronic conditions and diseases cellular hypoxia is a causative, contributing or an aggravating factor.

Diabetic patients have 10-15% lower tissue oxygen than non diabetics.

Cancer patients at cancer sites have major hypoxia.

Success of therapies and quality of life greatly depends on tissue oxygen levels.
CONSEQUENCES OF HYPOXIA AT CELLULAR LEVEL

- Reduced energy level
- Acidosis
- Swelling of the cell
- Reduced protein synthesis
- Loss of function
- Increased toxin build-up
- Increased oxidative stress
- Modified gene expressions through the action of HIF1a
KAQUN IS A SOURCE OF OXYGEN TO REVEAL HYPOXIA

• KAQUN drinking water has oxygen partial pressure > 180 Hgmm
  • Higher than human tissues, higher than blood
  • Raises measurably tissue oxygen level in the whole body
  • Effect lasts up to 2 hours per glass - which is unique among all forms of oxygen therapies (enhances & prolongs HBOT)

• KAQUN water for soaking has partial pressure of oxygen > 140 Hgmm
  • Still higher than tissues and blood
  • Oxygen absorbs through skin without difficulties
Prolong the effect of the HB Chamber

Sustain the effect of the HB Chamber

Kaqun creates no chance of oxygen toxicity

Circa 47% enhancement of HBOT alone
The liquid Oxygen cluster is absorbed through the gut or through the skin and diffuses to all hypoxic cells even where there is no satisfactory circulation.

This is the only form of Oxygen which pools in the tissues.

Values and changes of tissue oxygenation can objectively be monitored by Transcutaneous Partial Oxygen Pressure meter (TcpO2).

With normal Oxygenation and cellular energy production, the body’s self-healing mechanism can be significantly enhanced.
Baseline measurement Melanoma Malignum stage 4 patient, 52 y.o.

Result: 73 pO2 mmHg
Measuring time: 05:54mins

Physiological value would be 78 pO2 mmHg (age dependent)

Location:
National Institute of Oncology Budapest, Hungary
Real time monitoring

Drinking 0,2 liter Kaqun water

Location:
National Institute of Oncology
Budapest, Hungary

www.kaqun.eu
Real time monitoring

Result: 87.8 pO2 mmHg
Measuring time: 15:44mins

Location:
National Institute of Oncology Budapest, Hungary
Additional 0,2 liter Kaqun water

Location:
National Institute of Oncology
Budapest, Hungary
RESULT: 88.2 PO2 MMHG
MEASURING TIME: 21:50MINS

LOCATION:
NATIONAL INSTITUTE OF ONCOLOGY BUDAPEST, HUNGARY
CONCLUSION:

After introduction of Kaqun water into the body the measurement clearly shows the elevation of TcpO2. TcpO2 elevation was measured from zero to 21:50 mins.

The TcpO2 value of the body has increased by 20% within this time period.
What is the difference between Kaqun and other waters?

- No chemicals, no high-pressure oxygen added!
- Clinically proven results, clinical human studies have been completed
- (ETT TUKEB approved - Ethical Medical Committee)
- Available as Drinking Water, Bath Therapies, and Topical Gel
- The only form of oxygen therapy having sustained effect
- Modified by a proprietary computer controlled Electrolytic system (KAQUN SYSTEM TM)
Effect on hypoxia associated with dermatitis caused by RT

Before KAQUN-therapy  
After 3 days  
After 7 days  
After 10 days
EFFECT ON Cutan CD30 Large Cell Lymphoma
EFFECT ON Hypoxia ASSOCIATED with DERMATITIS CAUSED BY RT

3. days of 1st KAQUN-therapy

14. days of 1st KAQUN-therapy

Last day of 3rd KAQUN-therapy
Effect on local hypoxia resulting in Ulcus Cruris

2011.06.29
2011.08.26
2011.09.26
Effect on local hypoxia resulting in Ulcus Cruris

AFTER 72 KAQUN BATHS
Oxygen effect on viral infection

AFTER 3X14 KAQUN BATHS
Oxygen effect on Mycosis

AFTER 2X14 KAQUN BATHS
EFFECT ON SYSTEMIC MYCOSIS

AFTER 3X14 KAQUN BATHS
Kaqun studies 2004-2015

All the Kaqun studies were finished in accredited Hungarian Universities and Governmental Institutes & laboratories
The Effects of ELO/Kaqun Water on Tumour Hypoxia and Tumour Growth in a Mouse Tumour Xenograft
2.5 x 10^6 Prostate cancer cells PC-3 subcutaneously

10 ELO water group

9 days

ELO water

Tumour size measured every 3 days with calipers

9 days

10 Tap water group

2.5 x 10^6 Prostate cancer cells PC-3 subcutaneously

18 FMISO

PET/CT scan

18 FMISO
Comparing final tumour size between ELO and control mouse groups (Day 9 after inoculation)

Image of a PC-3 prostate tumour xenograft NUDE mouse 9 days after inoculation.
Tumour Growth for the 2 Groups of Mice

- ELO water treated (n=10)
- Control (n=10)

$P$ value $< 0.001$
Maximum-Intensity Projections

Small-animal PET imaging of PC-3 bearing xenograft animals 9-10 days after tumour inoculation and 2 h post tracer injection of A) ELO water treated and B) control group. Shown are the maximum-intensity projections (MIPs). The colour scale for all PET image data shows radiotracer uptake with red corresponding to the highest activity and blue to the lowest activity.
Tumour Hypoxia Signals between ELO and Control

\( P \text{-value}^* = 0.03 \)
\( P < 0.05 \)
"Cancer, above all other diseases, has countless secondary causes. But, even for cancer, there is only one prime cause. Summarized in a few words, the prime cause of cancer is the replacement of the respiration of oxygen in normal body cells by a fermentation of sugar..." 
Dr. Otto H. Warburg
THANK YOU FOR YOUR ATTENTION!

Call Us With Your Questions.
www.kaqun.org

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