





WEYERGAN

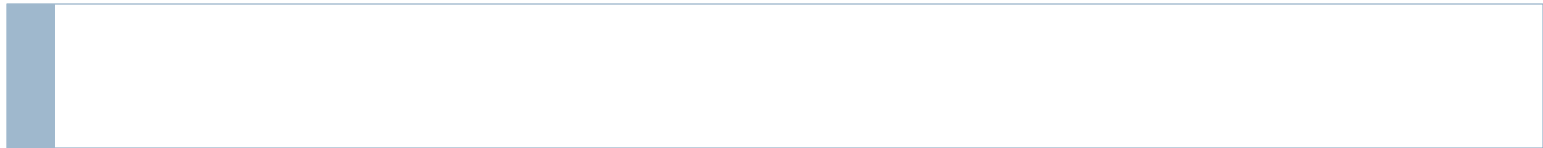
high care[®] cosmetics

... more than Beauty!

Oxygen ion therapy:
the innovative plasma and
color therapy for anti aging
and revitalization

Weyergans High Care AG, Germany

more vitality and well-being



AGING, VITALITY & WELLBEING

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Let's talk about
aging...

AGING, VITALITY & WELLBEING

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AGING, VITALITY & WELLBEING

Degeneration starts at 25 years.



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From then on, evolution is no longer interested in us...



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From of 25 years, we need **more energy** to maintain the basal metabolic processes.



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- ▶ **Nutrients (solid nutrients)**



NUTRIENTS (SOLID NUTRIENTS)



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► Proteins



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- ▶ Proteins
- ▶ Fat



NUTRIENTS (SOLID NUTRIENTS)

- ▶ Proteins
- ▶ Fat
- ▶ Carbohydrates



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NUTRIENTS (SOLID NUTRIENTS)

- ▶ Proteins
- ▶ Fat
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- ▶ Vitamins
- ▶ Minerals
- ▶ Trace elements



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We have enough of that. We can supplement what we lack.

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We get the energy from:

- ▶ Nutrients (solid nutrients)
- ▶ Liquid (Water)



LIQUID



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On average we need 30 ml of liquid per kg / body weight / per day.



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We should keep this amount.

That is enough for a healthy cell metabolism.



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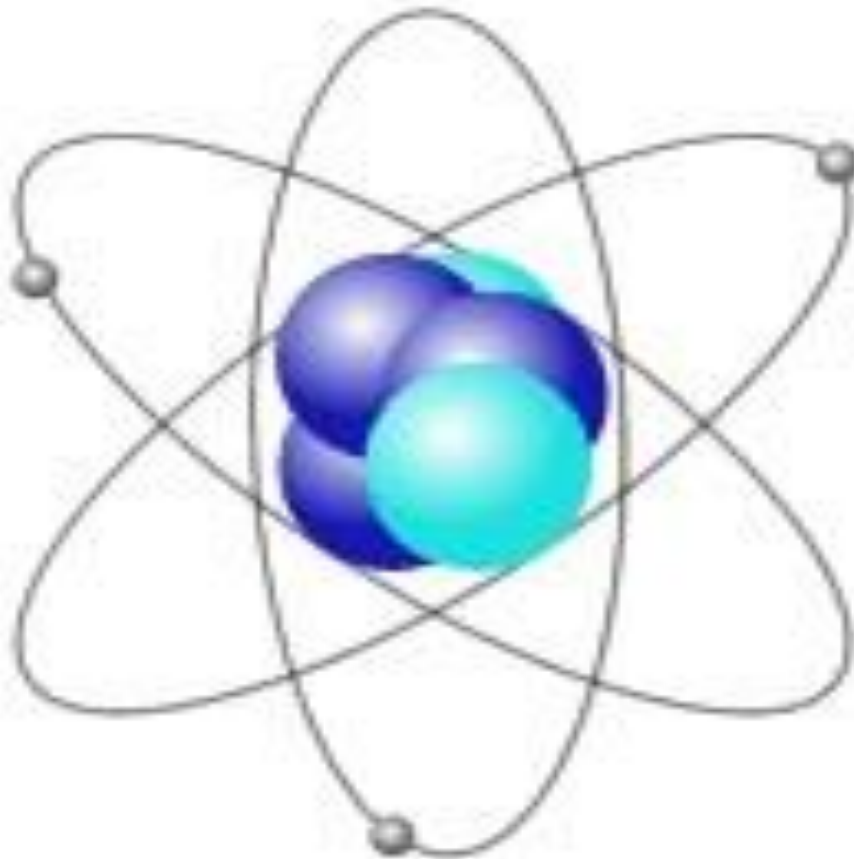
From of 25 years, we need **more energy** to maintain the basal metabolic processes.

We get the energy from:

- ▶ Nutrients (solid nutrients)
- ▶ Liquid (Water)
- ▶ **Oxygen**



THE PHYSIOLOGY OF OXYGEN (O₂)



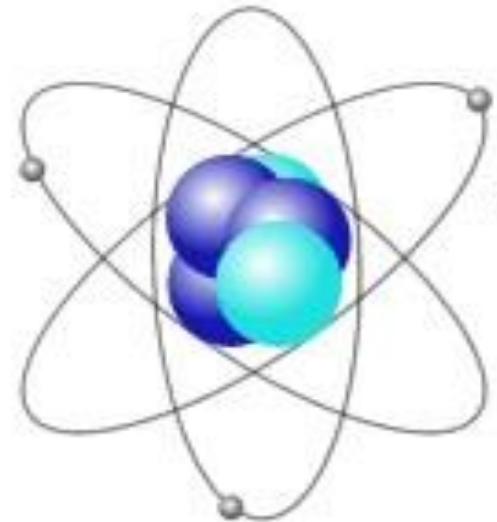
Negative Ion

2 Protons

3 Electrons

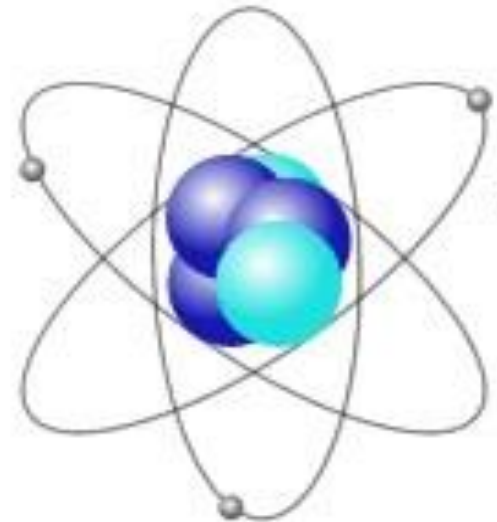
THE PHYSIOLOGY OF OXYGEN (O₂)

- ▶ The Air we breathe contains 21 % Oxygen (O₂).



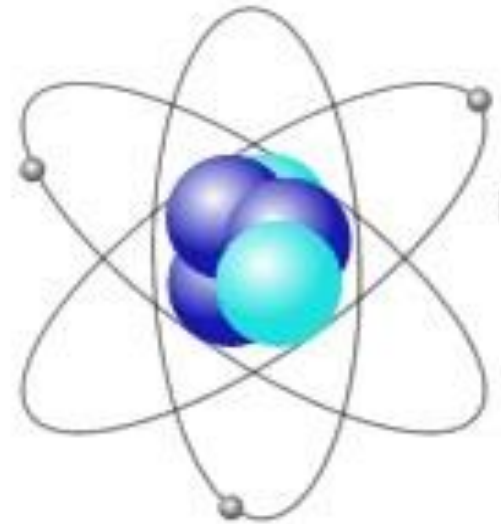
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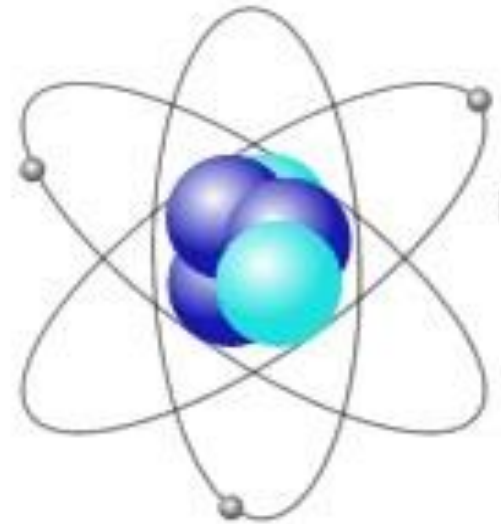
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- ▶ The Air we breathe contains 21 % Oxygen (O₂).
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- ▶ We cannot compensate for this.



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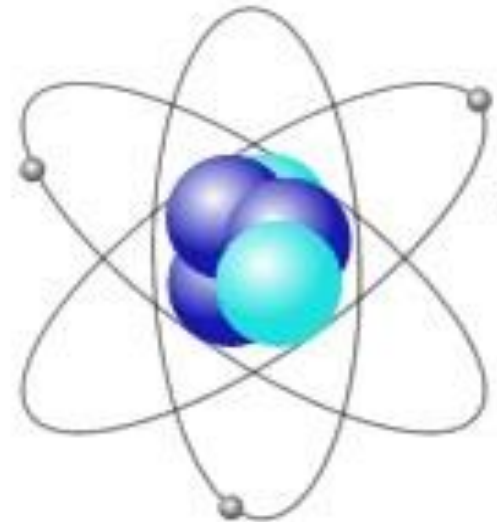
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Place 4: the brain



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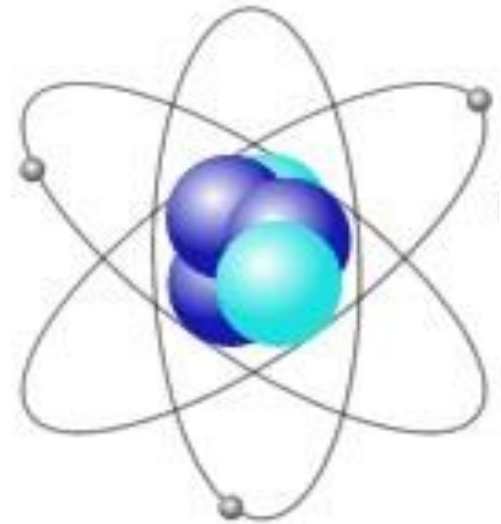
Place 4: the brain

Place 5: the largest organ - our skin



THE PHYSIOLOGY OF OXYGEN (O₂)

The main cause of aging and skin aging is lack of oxygen



THE PHYSIOLOGY OF OXYGEN (O₂)

The main cause of aging and skin aging is lack of oxygen

But it is not only the amount of oxygen molecules that is important, but also their energetic quality of the oxygen



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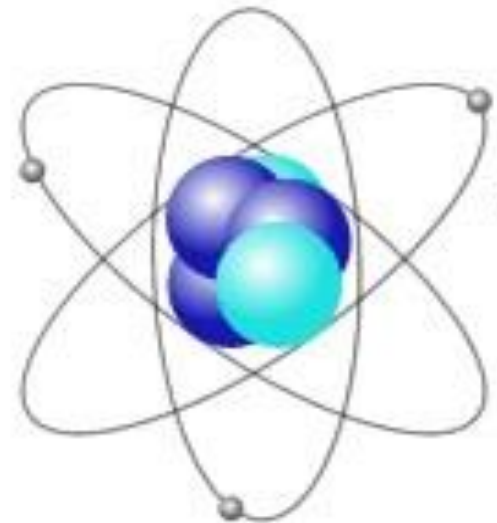
As residents of the planet Terra, we are already electrically positive.

We need the minus ions of oxygen as electrical energy for our cell metabolism



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The human being is an electrical being.



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All metabolic processes are based on the exchange of positive and negative charges.



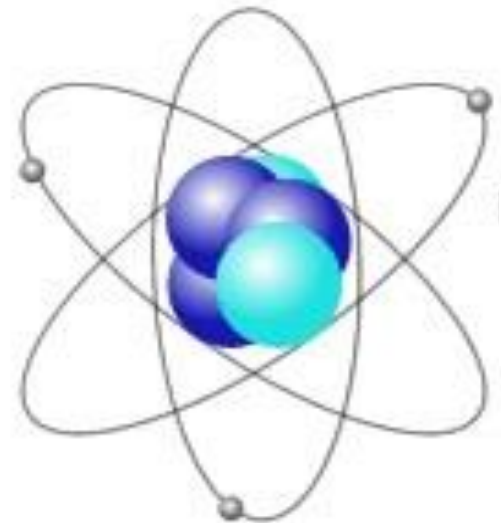
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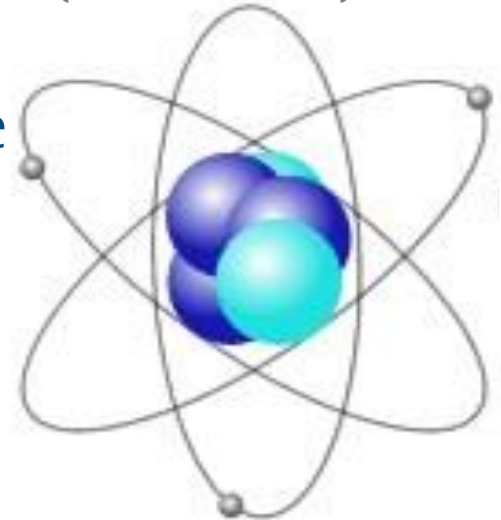
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Against this background the oxygen molecule is a Carrier molecule.



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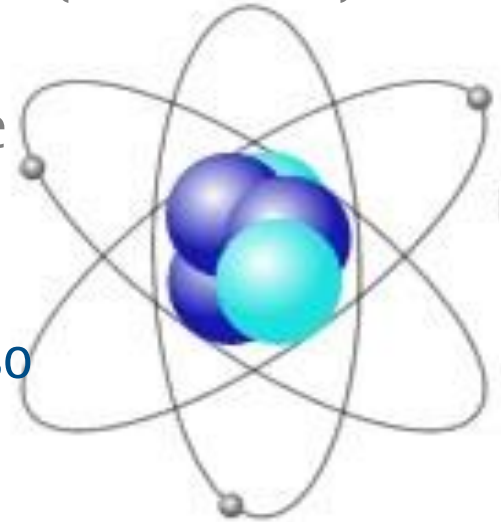
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It does not only depend on the sufficient amount of oxygen that we breathe in, but also on the (electrical) quality of the oxygen



THE PHYSIOLOGY OF OXYGEN (O₂)

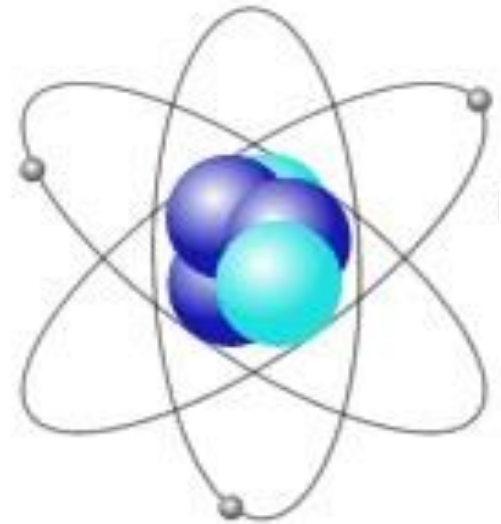
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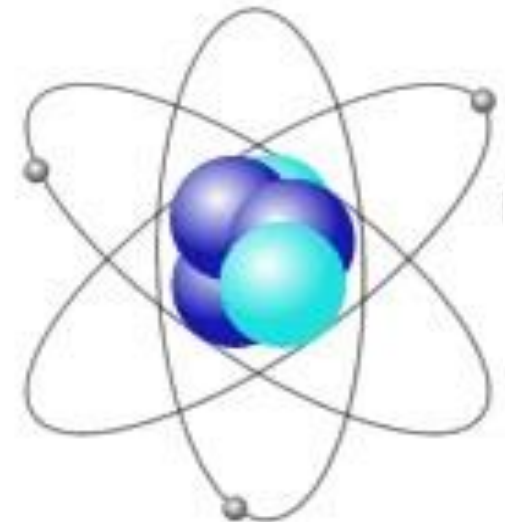
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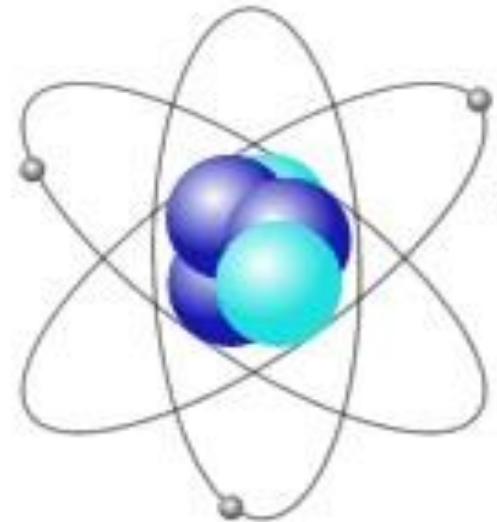


THE PHYSIOLOGY OF OXYGEN (O₂)

- ▶ The proportion of negative and positive ions per cm³ breathing air depends on the environment

– Negative Ion

+ Positive Ion



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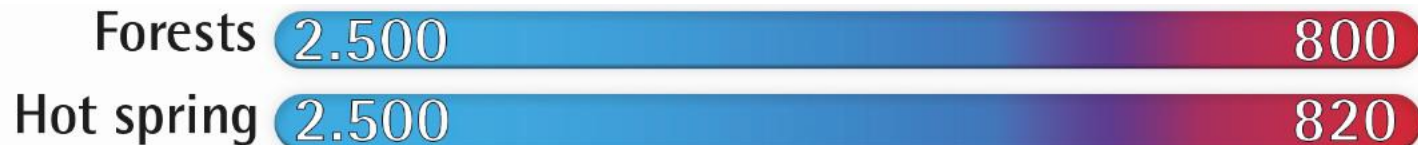
Forests 2.500 800

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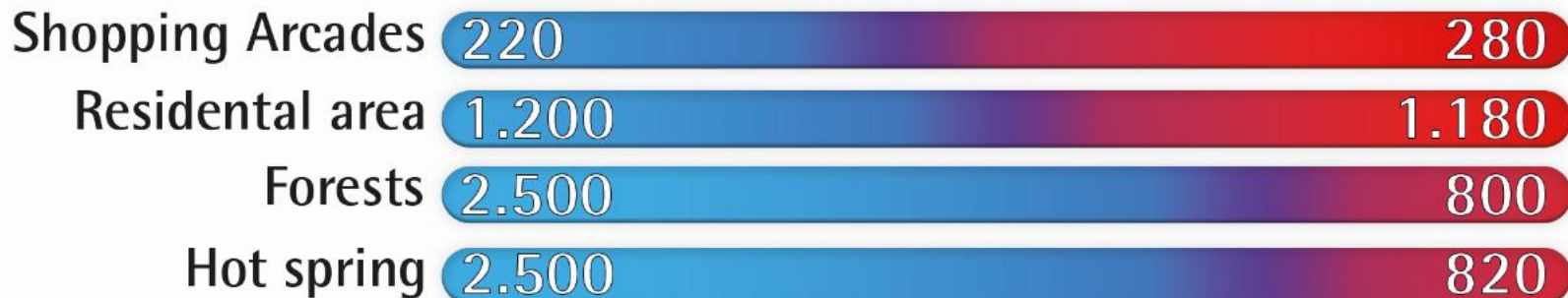


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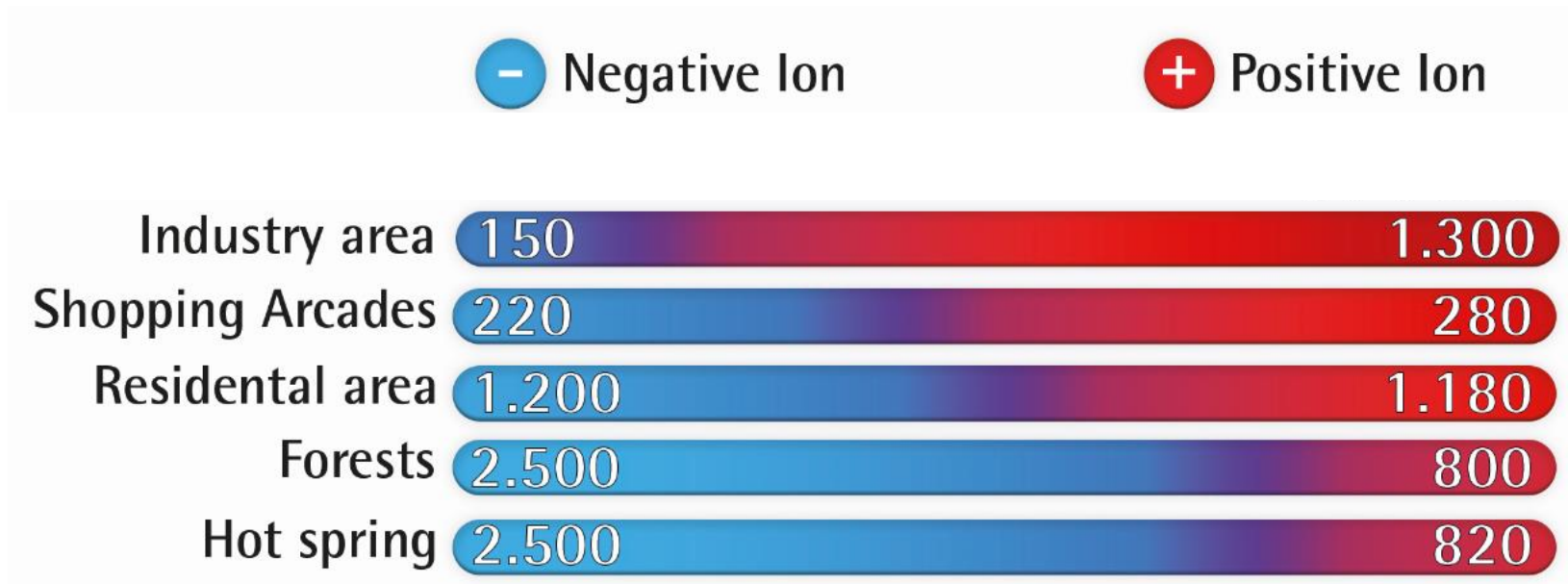
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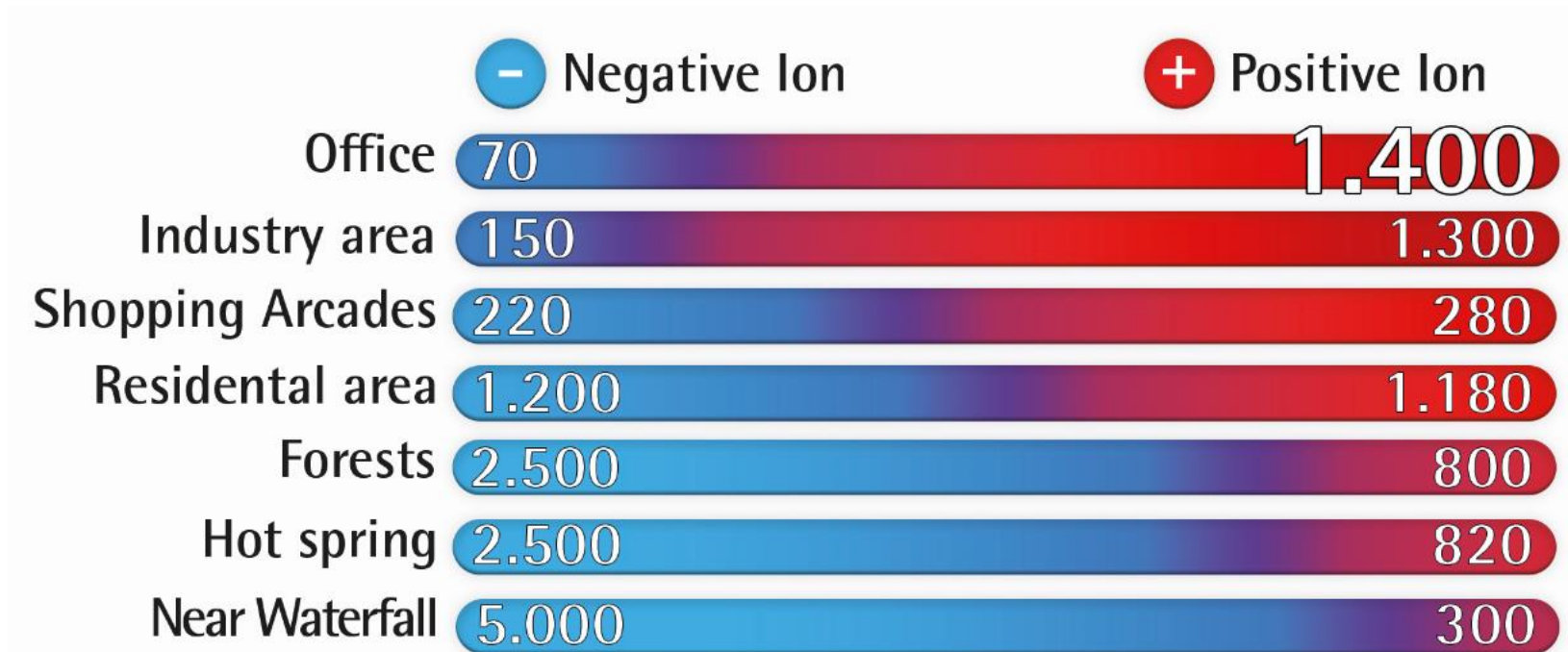
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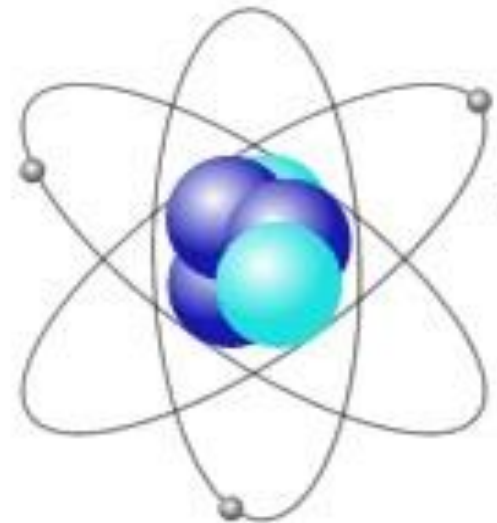
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THE PHYSIOLOGY OF OXYGEN (O₂)

▶ Desirable:



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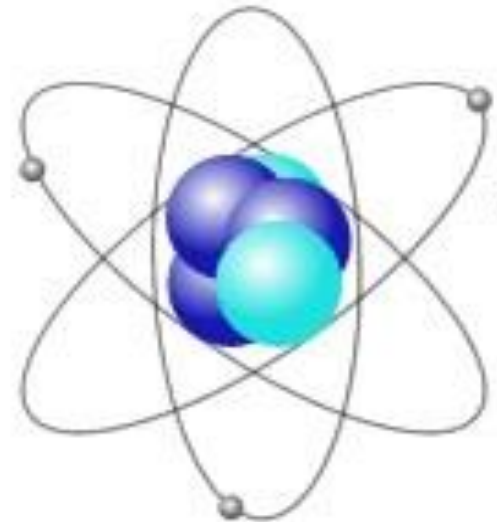
▶ Desirable:

a process that increases the proportion of minus ions (negative ions) in the oxygen molecule.



THE PHYSIOLOGY OF OXYGEN (O₂)

- ▶ Desirable:
a process that increases the proportion of minus ions (negative ions) in the oxygen molecule.
- ▶ This procedure is now existing



THE SOLUTION OF OXYGEN (O₂)

DERMIONOLOGY®



DERMIONOLOGY

From O_2 to $O_2^{(-)}$ (Plasma)

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- ▶ The Dermio Care device increases the number of negative ions in oxygen to over 5,000,000 per cm^3 of breath.

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From O_2 to $O_2^{(-)}$ (Plasma)

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- ▶ This turns the oxygen into plasma (similar to "electricity").
- ▶ Plasma is surface-active and penetrates /permeates matter (such as electricity, fire or heat)

DERMIONOLOGY

What does it do?



DERMIONOLOGY

What does it do?

- ▶ Delivers O₂ (-) (Plasma)



DERMIONOLOGY

What does it do?

- ▶ Delivers O₂ (-) (Plasma)
- ▶ Increases the metabolism



DERMIONOLOGY

What does it do?

- ▶ Delivers O₂ (-) (Plasma)
- ▶ Increases the metabolism
 - ▶ in the skin



DERMIONOLOGY

What does it do?

- ▶ Delivers O₂ (-) (Plasma)
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 - ▶ in the skin
 - ▶ in the entire body



DERMIONOLOGY

What does it do?

- ▶ Delivers O₂ (-) (Plasma)
- ▶ Increases the metabolism
 - ▶ in the skin
 - ▶ in the entire body
 - ▶ especially in the brain



DERMIONOLOGY

- ▶ The proportion of negative and positive ions per cm^3 breathing air depends on the environment



DERMIONOLOGY

Some bio physiological background.

Good to know...

THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER



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- ▶ Positive and negative ions have different effects on humans and their organism



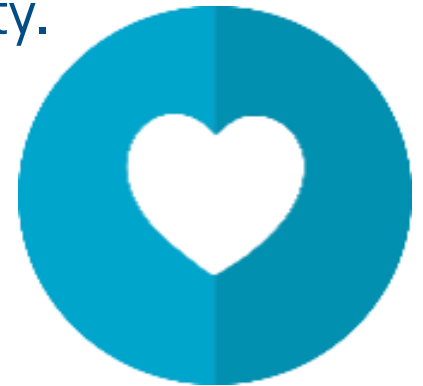
THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ Positive and negative ions have different effects on humans and their organism
- ▶ The benefits of negative ions have been proven through countless research and scientific studies.



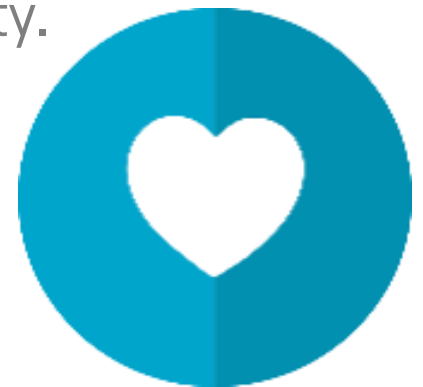
THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ Positive and negative ions have different effects on humans and their organism
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- ▶ Already in 1910, Albert Einstein said that the healing effects of Davos mountain air were due to the air's electricity.



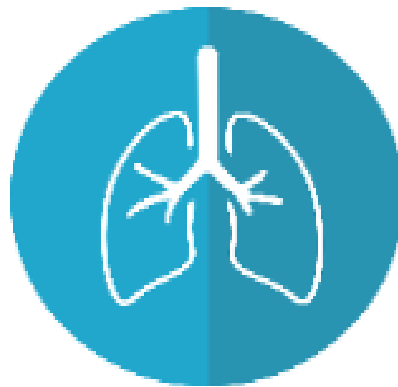
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- ▶ The benefits of negative ions have been proven through countless research and scientific studies.
- ▶ Already in 1910, Albert Einstein said that the healing effects of Davos mountain air were due to the air's electricity.
- ▶ A study presented in the Journal of Applied Microbiology shows that negative ions have no unwanted side effects or contraindications.



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ Effects on the respiratory system:



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

► Effects on the respiratory system:

Lungs and mucous membranes react sensitively to the ions. The negative ions promote the formation and excretion of mucus, in which impurities in the air (dust, smoke, pollution, microorganisms) are bound.

Indicated for allergies, asthma, bronchitis, sinusitis, dryness of the oral mucosa. Best in times of Corona Virus.



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ Effect on skin and connective tissue:



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

▶ Effect on skin and connective tissue:

Negative ions are also absorbed through the skin. They improve the epidermis and subcutaneous tissue to provide oxygen and affect skin conditions. They improve skin conditions like acne, psoriasis, hives, burns. They neutralize acids in the interstitium and thus promote collagen synthesis.



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ **Nervous System Impact:**



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

▶ Nervous System Impact:

Negative ions increase serotonin levels. A lack of serotonin can cause hyperactivity, stress, fatigue, insomnia, anxiety. They reduce migraines and headaches due to their analgetic effect and promote relaxation and improve concentration and memory.



THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

▶ **Impact on sexuality:**

A negative ion environment stimulates sexual activity and positively influences the fertility of both men and women

THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

▶ Circulatory Effects:

.



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▶ Circulatory Effects:

Negative ions improve blood circulation and promote blood purification, regulate blood pressure, and prevent coronary heart disease, myocardial infarction, and angina.



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 - ▶ improve digestive function
 - ▶ reduce lipid and cholesterol and promote toxin



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 - ▶ improve digestive function
 - ▶ reduce lipid and cholesterol and promote toxin excretion
 - ▶ boost the immune system and promote cell permeability



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 - ▶ reduce fatigue and muscle aches
 - ▶ help in metabolic diseases



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 - ▶ boost the immune system and promote cell permeability
 - ▶ reduce fatigue and muscle aches
 - ▶ help in metabolic diseases
 - ▶ improve physical and mental performance
 - ▶ ensure general well-being









THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ Positive and negative ions have different effects on humans and their organism:

Affected Target	Blood	Heart	Blood Pressure	Respiratory System
When rich in negatively ions	Weak Alkaline pH balance	 Works efficiently	 Normal	 Smooth
When rich in positive ions	Acidic pH Balance	 Has to work hard	 High	 Difficult

THE MORE MINUS IONS (NEGATIVE IONS) THE BETTER

- ▶ Positive and negative ions have different effects on humans and their organism:

Affected Target	Blood Vessels	Bones	Vitality
When rich in negatively ions	 Expanded	 Healthy	 Vigorous
When rich in positive ions	 Constricted	 Weak	 Fatigued

DERMIONOLGY / IONO ACTIVE MASK

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Above that: Negative Ions kill bacteria and viruses

DERMIONOLGY / IONO ACTIVE MASK

Above that: Negative Ions kill bacteria and viruses



International Journal of
Molecular Sciences



Review

Negative Air Ions and Their Effects on Human Health and Air Quality Improvement

Shu-Ye Jiang, Ali Ma and Srinivasan Ramachandran *

Temasek Life Sciences Laboratory, 1 Research Link, National University of Singapore, Singapore 117604, Singapore; shuye@tll.org.sg (S.-Y.J.); zhigang@tll.org.sg (A.M.)

* Correspondence: sri@tll.org.sg; Tel.: +65-6872-7480

Received: 15 August 2018; Accepted: 25 September 2018; Published: 28 September 2018



Abstract: Negative air ions (NAIs) have been discovered for more than 100 years and are widely used for air cleaning. Here, we have carried out a comprehensive reviewing on the effects of NAIs on humans/animals, and microorganisms, and plant development. The presence of NAIs is credited for increasing psychological health, productivity, and overall well-being but without consistent or reliable evidence in therapeutic effects and with controversy in anti-microorganisms. Reports also showed that NAIs could help people in relieving symptoms of allergies to dust, mold spores, and other

DERMIONOLGY / IONO ACTIVE MASK

Above that: Negative Ions kill bacteria and viruses



International Journal of
Molecular Sciences

Review

✿ It's been proven that air ionization:

- Destroys viruses and bacteria [1-12].
- Reduces bacteria and germs on the surface [1-3, 13-16].
- Reduces particulate matter in the air [17,18].
- Improves mood and well-being [19].

...and many other advantages!



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DERMIONOLGY / IONO ACTIVE MASK

Above that: Negative Ions kill bacterias and viruses

SCIENTIFIC REPORTS

OPEN

Ionizing air affects influenza virus infectivity and prevents airborne-transmission

Received: 27 November 2014

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Marie Hagbom^{1,*}, Johan Nordgren^{1,*}, Rolf Nybom², Kjell-Olof Hedlund³, Hans Wigzell² & Lennart Svensson¹

By the use of a modified ionizer device we describe effective prevention of airborne transmitted influenza A (strain Panama 99) virus infection between animals and inactivation of virus (>97%). Active ionizer prevented 100% (4/4) of guinea pigs from infection. Moreover, the device effectively

DERMIONOLGY / IONO ACTIVE MASK

Basic effects of the IONO-ACTIVE Mask:

- ▶ More vitality
- ▶ More Wellbeing
- ▶ Health Protection

DERMIONOLGY

- ▶ Dermionology fits as a unique feature in all institute concepts as a single treatment or cure

DERMIONOLGY / IONO ACTIVE MASK

- ▶ Dermionology fits as a unique feature in all institute concepts as a single treatment or cure
- ▶ Dermio fits all facials - with or without a complementary mask (anti aging, problem skin, wellness)

DERMIONOLGY / IONO ACTIVE MASK

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- ▶ Dermio fits all facials - with or without a complementary mask (anti aging, problem skin, wellness)
- ▶ Dermio fits all body treatments like Vacu, Lymphatic Drainage, RF, Laser, Cryo, Body Wrapps etc.

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- ▶ **The outcome:**

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 - ▶ Better treatment results due to the additional metabolic activation

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 - ▶ Additional treatment without additional treatment time
 - ▶ **More turnover without personnel retention**

THE DERMIONOLGY „PLUS“ METHOD



THE DERMIONOLGY „PLUS“ METHOD

Disierable

... to focus the energy of the dermionolgy on specific metobolic processes





THE DERMIONOLGY „PLUS“ METHOD

- ▶ Enhance the Dermionology with Photo Therapy



ABOUT PHOTOHERAPY

ABOUT PHOTOHERAPY



ABOUT PHOTOHERAPY

- ▶ Different colors of light effect specific metabolic processes.



ABOUT PHOTOHERAPY

- ▶ Native cultures discovered that the color of plants often determined their healing qualities.

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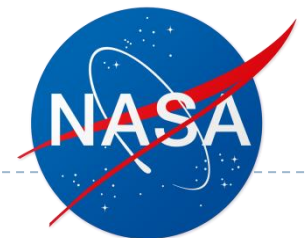


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- ▶ Color therapy for health is gaining ground today as a result of the advent of Light Emitting Diodes (LEDs). Medical research sponsored by NASA, using both Red and Near Infrared (NIR) LEDs, expanded the awareness of, and use of, color therapy.

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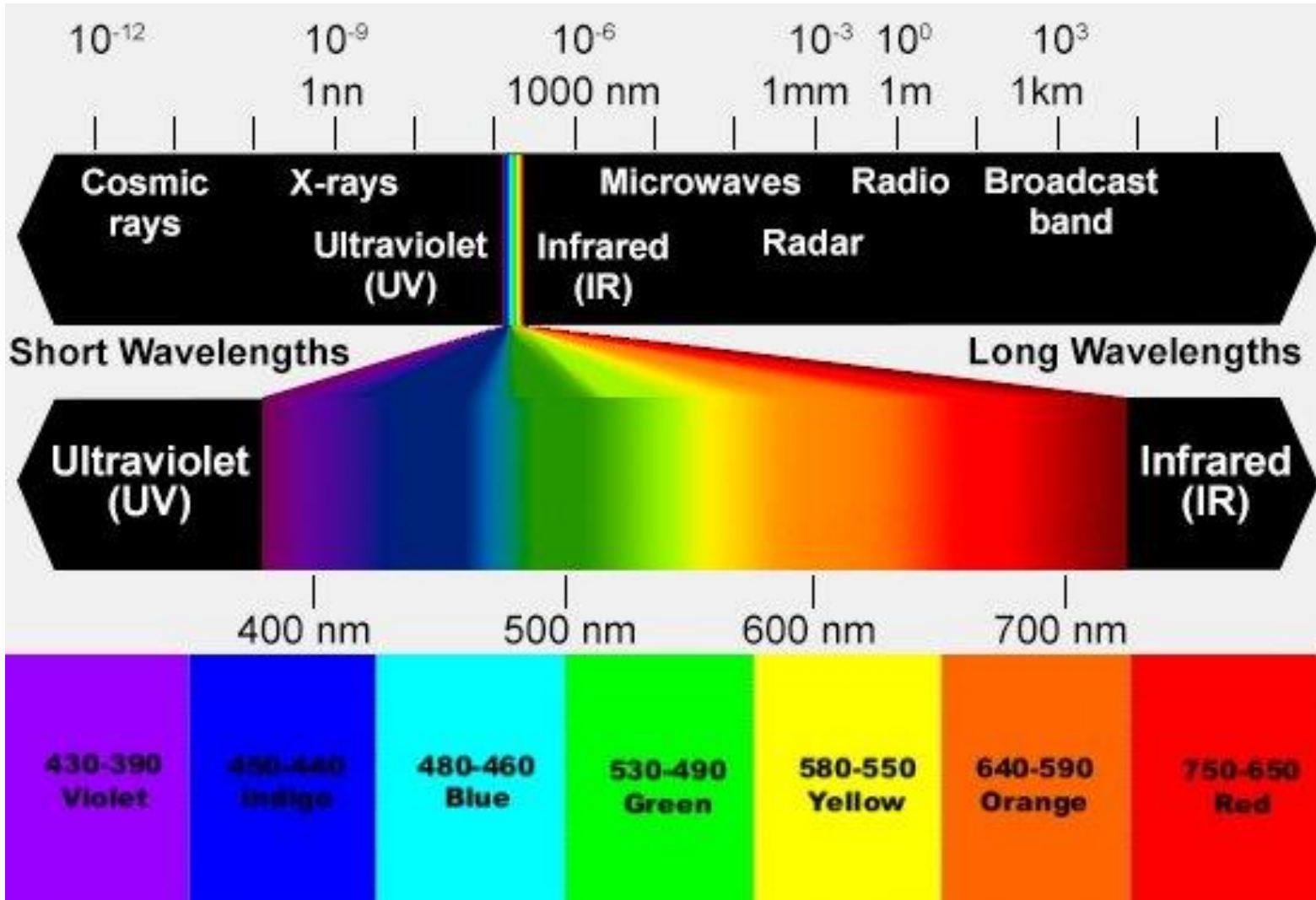
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- ▶ **Color therapy is scientifically approved**

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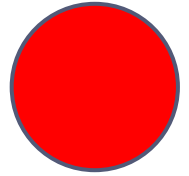
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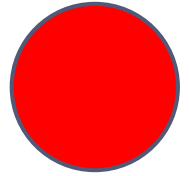
THAT'S LIGHT



RED / NEAR INFRARED

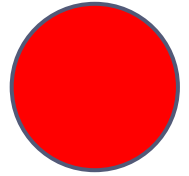


RED / NEAR INFRARED



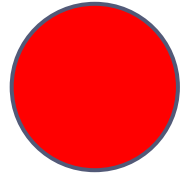
- ▶ Produces cadmium, krypton, neon. Ideal for blood disorders and Wound healing

RED / NEAR INFRARED



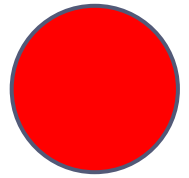
- ▶ Produces cadmium, krypton, neon. Ideal for blood disorders and Wound healing
- ▶ Stimulates ATP in the cells and increases cellular reproduction

RED / NEAR INFRARED



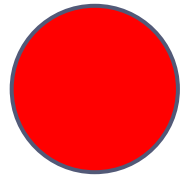
- ▶ Produces cadmium, krypton, neon. Ideal for blood disorders and Wound healing
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- ▶ Skin repair (anti aging)

RED / NEAR INFRARED



- ▶ Produces cadmium, krypton, neon. Ideal for blood disorders and Wound healing
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- ▶ Prevents and reduces scar tissue

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- ▶ Stimulates ATP in the cells and increases cellular reproduction
- ▶ Skin repair (anti aging)
- ▶ Prevents and reduces scar tissue
- ▶ Boosting collagen formation



A Controlled Trial to Determine the Efficacy of Red and Near-Infrared Light Treatment in Patient Satisfaction, Reduction of Fine Lines, Wrinkles, Skin Roughness, and Intradermal Collagen Density Increase

Alexander Wunsch¹ and Karsten Matuschka²

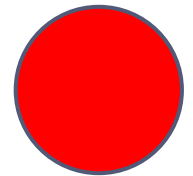
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Abstract

Go to:

Objective: The purpose of this study was to investigate the safety and efficacy of two novel light sources for large area and full body application, providing polychromatic, non-thermal photobiomodulation (PBM) for improving skin feeling and appearance. **Background data:** For non-thermal photorejuvenation, laser and LED light sources have been demonstrated to be safe and effective. However, lasers and LEDs may offer some disadvantages because of dot-shaped (punctiform) emission characteristics and their narrow spectral bandwidths. Because the action spectra for tissue regeneration and repair consist of more than one wavelength, we investigated if it is favorable to apply a polychromatic spectrum covering a broad spectral region for skin rejuvenation and repair. **Materials and methods:** A total of 100 patients participated in this prospective, randomized, and controlled study. Of these volunteers, 50 were randomly assigned into four treatment groups were treated twice a week with either 630 nm polychromatic light (normalized to $\sim 9 \text{ J/cm}^2$ in the range of 611–650 nm) and we compared with controls ($n=23$). Irradiances and treatment durations varied in all treatment groups. The baseline and after 30 sessions included blinded evaluations of clinical photography, ultrasonography, collagen density measurements, computerized digital profilometry, and an assessment of patient satisfaction. **Results:** The treated subjects experienced significantly improved skin complexion, profilometrically assessed skin roughness, and ultrasonographically measured collagen density. The blinded clinical evaluation of photographs confirmed significant improvement in the treated groups compared with the control. **Conclusions:** Broadband polychromatic PBM showed no significant difference over the red-light-only spectrum. However, both novel light sources that have not been previously used for PBM have demonstrated efficacy and safety for skin rejuvenation and intradermal collagen increase when compared with controls.





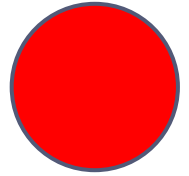


BODY



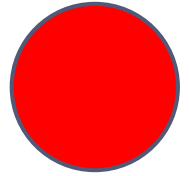


RED / NEAR INFRARED



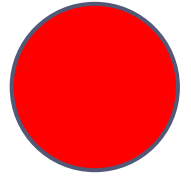
- ▶ Best for Anti Aging (skin & décolletée firming)

RED / NEAR INFRARED



- ▶ Best for Anti Aging (skin & décolletée firming)
- ▶ Best to support any body treatment (2 in 1)

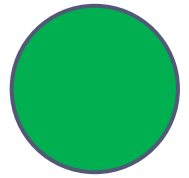
RED / NEAR INFRARED



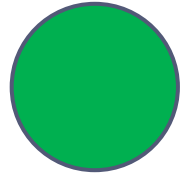
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Feel the difference

GREEN

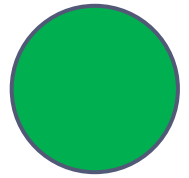


GREEN



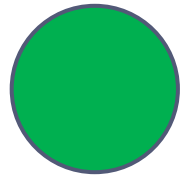
- ▶ Affects heart problems, high blood pressure, bronchial catarrh, asthma, fatigue, sleep disorder, bone problems, ulcers, tumors, eye diseases.

GREEN



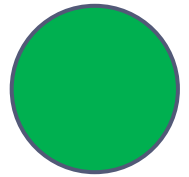
- ▶ Affects heart problems, high blood pressure, bronchial catarrh, asthma, fatigue, sleep disorder, bone problems, ulcers, tumors, eye diseases.
- ▶ **Detoxification**

GREEN



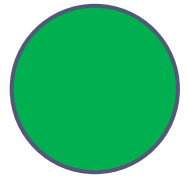
- ▶ Affects heart problems, high blood pressure, bronchial catarrh, asthma, fatigue, sleep disorder, bone problems, ulcers, tumors, eye diseases.
- ▶ Detoxification
- ▶ **Anti Bacterial**

GREEN



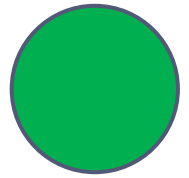
- ▶ Affects heart problems, high blood pressure, bronchial catarrh, asthma, fatigue, sleep disorder, bone problems, ulcers, tumors, eye diseases.
- ▶ Detoxification
- ▶ Anti Bacterial
- ▶ Relieves Stress (Calm, relaxing)

GREEN



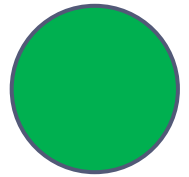
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- ▶ Anti Bacterial
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- ▶ Strengthens the immune system

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- ▶ Strengthens the immune system
- ▶ Builds muscles and bones

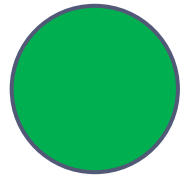
GREEN



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- ▶ Anti Bacterial
- ▶ Relieves Stress (Calm, relaxing)
- ▶ Strengthens the immune system
- ▶ Builds muscles and bones
- ▶ An aphrodisiac and sexual tonic

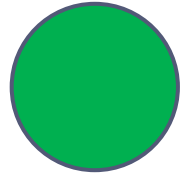


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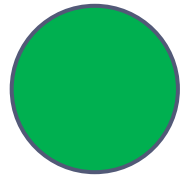
- ▶ Best for menopausal women

GREEN



- ▶ Best for menopausal women
- ▶ Best in times of Corona

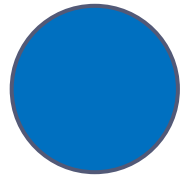
GREEN



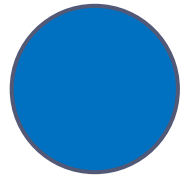
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Feel the difference

BLUE

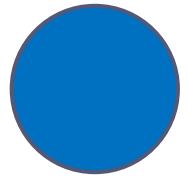


BLUE



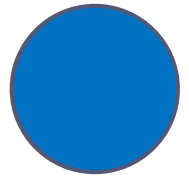
- ▶ Has a calming and cooling effect

BLUE



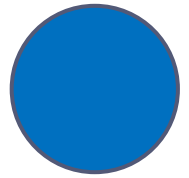
- ▶ Has a calming and cooling effect
- ▶ Antiseptic and antibacterial

BLUE



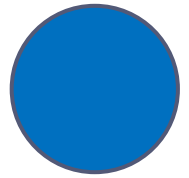
- ▶ Has a calming and cooling effect
- ▶ Antiseptic and antibacterial
- ▶ Astringent effect. Dries up secretions. For wet skin diseases, sore throat, colic, burns, hemorrhoids.

BLUE



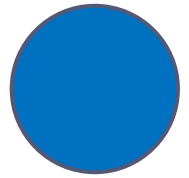
- ▶ Has a calming and cooling effect
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- ▶ **Anti-inflammatory**

BLUE



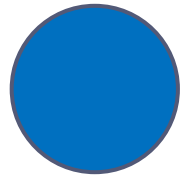
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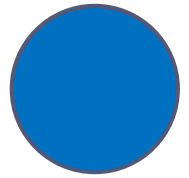
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- ▶ Calms nerves
- ▶ Strengthens the immune system

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- ▶ Anti-inflammatory
- ▶ Calms nerves
- ▶ Strengthens the immune system
- ▶ In cases of acne and psoriasis

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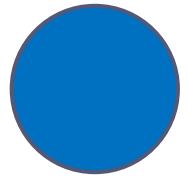


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- ▶ Anti-inflammatory
- ▶ Calms nerves
- ▶ Strengthens the immune system
- ▶ In cases of acne and psoriasis
- ▶ Dermatologically tested and approved



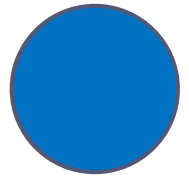


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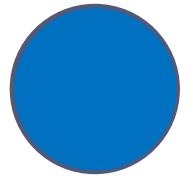
- ▶ Best for problematic skin condition

BLUE



- ▶ Best for problematic skin condition
- ▶ More Competence in Medical Beauty Treatments

BLUE



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Feel the difference

PHOTO THERAPY AND DERMIONOLGY

PHOTO THERAPY AND DERMIONOLGY

- ▶ Photo therapy activates specific metabolic processes

PHOTO THERAPY AND DERMIONOLGY

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- ▶ With the help of Photo therapy the energy of Dermionolgy is lead precisely to enhance specific metabolic processes
- ▶ Photo Therapy + Dermionolgy is more than 1 + 1

ADVANTAGES

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- ▶ Profitable as an additional offer or as stand alone
- ▶ Fits for all Beauty salons and Spas for detoxification and medical wellness

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- ▶ No staff retention / no HR costs
- ▶ Profitable as an additional offer or as stand alone
- ▶ Fits for all Beauty salons and Spas for detoxification and medical wellness

▶ Technology

 made
in
Germany





WEYERGANS

high care[®] cosmetics

... more than Beauty!



WEYERGANS

high care[®]

