

## New Air Therapy sets Benchmarks

By Dr. Claudia Schöllmann  
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Airnergy is an innovative inhalation therapy. As opposed to conventional oxygen therapies, Airnergy energy therapy does not burden the body with unnaturally high concentrations of oxygen but improves the bioavailability of the natural oxygen content in the air that we breathe. Metabolism is optimised and regeneration processes are triggered. Airnergy opens up an enormous therapeutic and preventive potential.



The principle of Airnergy is unique and has international patent protection. By means of a chemo-luminescence process (similar to photosynthesis) the oxygen in the air is converted into a form that is more "suitable for the body" and can be better utilised by the organism.

Our approach is sensible because the body's own ability to utilise oxygen from the air that we breathe to form energy decreases the older we get and also if we are ill. Even healthy people only use a small part of the oxygen in the air for metabolism. In the case of older and sick people the proportion of utilised oxygen is even less. These people are no longer able to utilise the (over-rich) oxygen supply in the air they breathe to produce energy to an adequate degree.

This has negative consequences – a metabolism that lacks "fuel" runs on low. A metabolism such as this does not work properly, but instead is ineffective and out of balance. As a result of this disturbed metabolism harmony the anti-oxidative capacity of the organism is weakened. This eventually leads to a situation where oxidative processes are favoured – the body is put under oxidative stress.

The Airnergy technology provides the necessary balance. It ensures that the air oxygen can be better utilised by the organism. Oxygen utilisation in the organism is increased in a physiological manner. Metabolic processes are optimised and harmonised and regeneration processes are kick-started. By supporting the anti-oxidative processes, cell damage by free radicals is prevented.

### Pure biophysics

Just how does this innovative technology work? To explain it in simple terms – activated air oxygen is generated in the Airnergy unit. The energy from this oxygen is transported to the body with the help of moisture in the air where it improves the body's utilisation of oxygen.

Through a process similar to photosynthesis, oxygen is continuously converted into the singlet state. In the unit the singlet state ( $1\Delta_2$ ) of  $O_2$  reacts back into the triplet basic state which occurs naturally in the air ( $3\Sigma_2$ ). The energy that is released during this conversion back to the triplet state is immediately absorbed by water molecules in the (moist) air that is breathed in. The user breathes in these activated water molecules – and not activated oxygen states – via a lightweight nasal cannula. In the organism the Airnergy energy improves oxygen utilisation and the anti-oxidative capacity - this can be measured. It is still not completely clear just how the energy of the water molecules is transformed into metabolic energy. Many findings would suggest that the energy-rich water molecules carry their energy/information to points in the body where the organism activates oxygen itself in order to utilise it, or its energy, for metabolic

reactions. Important “points” in these terms are the surface films (surfactants) in the alveoli, the interstitial, intravascular and intracellular fluids as well as the fluid membranes of the cells and mitochondria.

Advantages compared to conventional oxygen therapies

What makes Airnergy different from conventional oxygen therapies? In the latter, patients are given oxygen which is generally concentrated and in some cases also ionised with the aim of activating the metabolism. However, it is doubtful if this process (apart from in anaesthetics, emergencies and intensive medicine and for special lung diseases) is really practical to treat chronic illnesses. Why should the body be supplied with more oxygen when it can only utilise a small part of the natural oxygen in the air?

Oxygen should definitely not be “forced” into the organism with what are, in some cases, relatively complex methods. Namely, in this process the “oxygen threshold”, which is a natural protective barrier against the formation of O<sub>2</sub> radicals, is often exceeded. This can have very negative consequences; administering high concentrations of oxygen via inhalation, IV or IM (30 to 100%) can lead to undesired, health-damaging reactions in the organism, in particular to excessive oxidative processes and even DNA double-strand break. Conventional oxygen therapies increase oxidative stress on the organism rather than reducing it.

But Airnergy is different. Here the organism is not fed high concentrations of oxygen nor chemically modified oxygen. Instead, air oxygen is prepared in a biophysical manner so that its energy can be better utilised by the organism. No side effects are to be expected or are known due to the physiological way in which Airnergy works.

<b>Oxygen therapy</b>	<b>Airnergy therapy</b>
High oxygen concentrations (at least 30% to 100% via inhalation, IV or IM)	Inhaling air with a natural oxygen concentration of 21%
Increasing energy production (ATP↑)	Increasing energy production (ATP↑)
Overcoming the “oxygen threshold” (natural protective wall against the formation of O <sub>2</sub> radicals)	Regeneration via the cells’ own oxygen utilisation
Increased formation of free radicals, especially intracellular	Increasing intra and extracellular anti-oxidative capacity

Therapeutic and preventive

The positive effects of Airnergy on the metabolism can be utilised for many different chronic illnesses such as:

- Circulatory problems
- Heart and vascular illnesses
- Exhaustion
- Chronic tiredness
- Diabetes mellitus types I and II
- Multiple Chemical Syndrome (MCS)
- Burnout syndrome
- High cholesterol

- Bronchitis, lung diseases
- Chronic fibromyalgia
- Rheumatic complaints
- Visual problems
- Acute and chronic pain
- Metabolic disorders of the liver
- Skin diseases
- Sleeping problems
- Lack of concentration
- High blood pressure
- Allergies
- Age-related illnesses (Parkinson's, Alzheimer's)
- Tinnitus

Amazing successes may also be achieved for clinical pictures for which no established therapy exists, such as fibromyalgia or age-related macular degeneration. In addition to use for chronic illnesses, Airnergy is also ideal for preventive use, to increase performance (for sports), and last but not least, to generate an anti-aging effect.

Patients often notice the stimulating effect of Airnergy after a short time. After just a few applications most users feel fit and agile and are able to concentrate better during the day. At night, Airnergy ensures that most patients sleep better and wake up feeling relaxed. Many patients have also reported improvements in their skin. To sum up – most users feel a noticeable wellness and anti-aging effect after just a few applications.

To ensure long-term stabilisation of the metabolism, Airnergy treatments of 10 to 30 applications are recommended – with two to three applications each week. For chronic illnesses we recommend that the unit is used regularly and permanently – ideally every day. Interestingly enough, one single application of this innovative inhalation air therapy already triggers measurable reactions in the organism. This has been shown in a current investigation by Dr. Dr. h.c. Knop, Wolfsheim. The controlled study proves that just one inhalation improves the vegetative, autonomous nervous system's ability to control the body processes, which in turn contributes to harmonisation of the metabolic processes\*.

*Dr. Claudia Schöllmann*  
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\*Knop, U., Bericht über eine zweiteilige, kontrollierte Studie mittels Herzraten-Variabilitäts-Messungen (HRV) bezüglich der Airnergy+-Sauerstoff-Therapie [Report on a two-part controlled study using heart rate variability measurements (HRV) in regard to the Airnergy+ oxygen therapy], CO'MED 12/03