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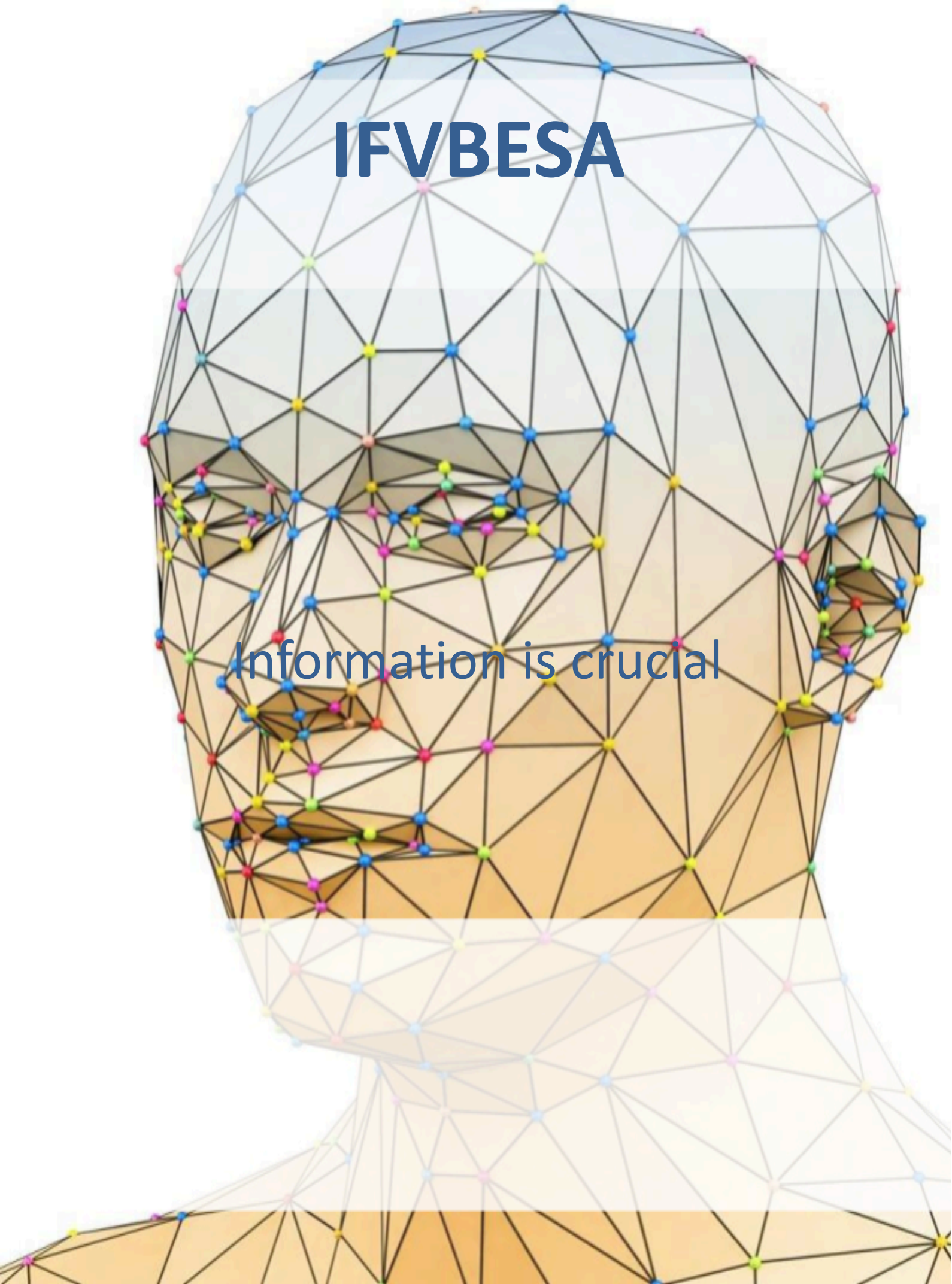

Information is crucial

Melanin in Focus

Darkfield live blood analysis

Study on the effects of the Quantum Upgrade

P83 2.1 BESA-Detail-PROJEKT

Internationaler Fachverband für BESA I ZVR Nr. 975047937
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Project P83 2.1 to BESA-expert opinion

as part of a BESA seal of quality

Quantum Upgrade in the field of melanin and vital blood

An exploratory study of quantum technological effectiveness, regulation and consciousness dynamics

Internationaler Fachverband für BESA I ZVR Nr. 975047937
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Client:

company Leela Quantum Tech, LLC
Attn: Eleonora Goldenberg
1421 LUISA STREET, STE G
SANTA FEE, NM 87505
USA

Project participant:

Project management: Wolfgang Hans Albrecht, President and Project Manager of IFVBESA

Project execution: Eva Schmidt, President and deputy Project Manager of IVFBESA

Test subjects (participants): 12 (6/6) participants of varying ages and health conditions in a randomised double blind study, quantum entangled.

Test subjects:

P83 1.0 and P83 1.1: 6 participants from P1 to P6

P83 2.0 and P83 2.1: 6 participants from P7 to P12

Project location: Location 1: International Professional Association for BESA (IFVBESA) Hauptstraße 1-2
A-4866 Unterach am Attersee

Date: from 28.November 2024 to 10.October 2025

Project duration: 286 Tage

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Important information

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Basics of research project creation P83

The International Association for Bioenergy Informative System Analysis was commissioned by Leela Quantum Tech, LLC to test the effect of the test object, Quantum Upgrade, using bioenergy informative system analysis (BESA) and vital blood analysis (darkfield microscopy) on the corresponding test subjects and to verify its effect on the test subjects.

The testing was conducted independently of the subjective perceptions of all test subjects. According to the commissioning company, the Quantum Upgrade was presented as follows.

Description of the test object, "Quantum Upgrade" by the client:

Firstly, it is important to understand that two independent objects can be energetically connected to each other. This connection or "association" is known as quantum entanglement. As soon as these two objects are entangled with each other, a change in one object or entity also causes a change in the other or the other - even if they are not in close proximity to each other.
This is why, for example, a mother can "feel" when something happens to her child, even if she is thousands of kilometres away. She is connected to her child (in quantum terms, they are said to be entangled with each other). In this way, scientists can also take a skin cell or blood sample from an astronaut on Earth, send it into space and detect any changes in the cells or samples that remain on Earth.

„Quantum Upgrade" utilises the same proven principle
Through years of research and the development of the Quantum Upgrade product, the company "Leela Quantum Tech, LLC" has created one of the world's most powerful sources of usable quantum energy. With the Quantum Upgrade, any biological object can be connected to this quantum source (energy source).
Immediately after activation, there is an immediate quantum entanglement and quantum energy is channelled to the locations previously defined within the scope of the respective requirements. Healers, empathetic people or those who are particularly sensitive to fields such as electromagnetic fields (EMF) or electromagnetic radiation will probably notice the difference immediately. Others may need a little more time or may not "feel" anything at first - until the first changes in their lives become apparent.

How quantum energy supports change
In physics, there is the so-called principle of inertia, which states that
"A body at rest remains at rest or maintains its state of motion as long as no force acts on it or the sum of the forces cancels out. A body in motion also continues to move at a constant speed as long as no external forces act on it".
This so-called first Newton's law can therefore be applied just as well to all biological objects as to humans: It is easier to keep something the same than to change it, as change requires more energy.
But what happens if you don't have enough energy to change? You get stuck. And that is precisely the point at which the majority of humanity finds itself. They are stuck in old ways of thinking, acting and living.

This is one of the reasons why meditation, prayer and other spiritual practices can lead to powerful changes. They connect us with the "source" or, in other words, back to our source (origin, the absolute) via quantum energy.
And thanks to this additional energy (quantum energy), the "quantum upgrade" can bring about a change that would have been impossible before.

The Quantum Upgrade as a tool

A "Quantum Upgrade" is a technology, one could also consider it a tool, that creates a concentrated quantum energy space.
This is able to balance energies, increase performance and build up protection against e.g. harmful electrosmog radiation (EMSF). Quantum Upgrade is the most innovative development in the field of natural health, combining science and quantum energy healing in an easy-to-use and easy-to-understand subscription service.
Quantum energy harmonises body, mind, spirit and consciousness (body as the embodiment of consciousness). It expands consciousness and activates the flow of pure life energy through the body!
However, juggling the demands of modern life can be tiring and stressful and can leave people feeling overwhelmed. Subconscious fears and ingrained opinions often make us forget that we all have infinite potential and are beings without limits.
And this is exactly where the Quantum Upgrade helps us to return to our natural ego state and expand our consciousness in the long term
In this way, a healthy, fulfilling and meaningful life can be experienced.

Polarity

There is no polarity in the Quantum Upgrade. Magnets add pressure, instability and a certain type of alignment to a quantum field, so the energy of a magnet-supported quantum field is a "trapped" and almost locked-in energy force that cannot flow freely and is constantly battling with the magnetic field. From an energetic point of view, the field must constantly recharge itself. The instability, disharmony and energetic pressure can be felt and "seen" in such devices, and they affect everything in their vicinity.
With the Quantum Upgrade, a groundbreaking new quantum energy generator has been created that provides not just a one-dimensional quantum field, but a truly multi-dimensional quantum space and is also very powerful. It is also not bound in any way to the Earth's magnetic fields and can therefore be considered (and energetically looks like) a quantum sun, as it radiates and emits freely in all directions without an Earth-bound flux. The "Quantum Upgrade" is dynamic, harmonic, always stable and retains these properties when the quantum energy concentration and the levels of consciousness/perspective are increased. Although the use of a Quantum Upgrade comes with a certain responsibility, one should know that the energy is always balanced and harmonious.

To the Quantum Upgrade as a test object

Animals also benefit from the "Quantum Upgrade"

Not only humans benefit from the positive effects of quantum energy. Animals can also sense the energy and utilise it very well for themselves, provided it is tailored to their needs.

These indications are intended as an interpretation of the scope of the effect of the test object and an indication of its holistic orientation. The effect of the "Quantum Upgrade" can thus be easily achieved for the animals.
The concept of this test object is therefore to harmonise and neutralise disturbances, problems, blockages and disharmonies in the animals' environment and thus replace negative states with positive states. Due to its mode of operation, the test object has a simple and yet very effective area of application for the animals.
The animals/subjects are primarily selected by the project partner Barbara Hollogschwandtner, MD. A detailed description of the animals can be found in the project description.

Project - Design

This study was designed as a pilot study with a total of 12 test subjects. The aim was to gain initial insights into the possible influences of the test object or the 'Quantum Upgrade' technology on melanin.
The study follows a double-blind, randomised and exploratory design that combines scientific objectivity with an open research dynamic.
The exploratory approach was deliberately chosen in order to go beyond the framework of classical hypothesis formation and also to capture subtle, hitherto little-described interactions and mechanisms of action between bioenergy-informative regulation, influences of consciousness and quantum field-based processes.

To ensure methodological validity, participants were randomly assigned to two groups:

- an experimental group (P83 1.0 and P83 1.1), which was connected to the active test object (Quantum Upgrade) via quantum entanglement
- and a control group (P83 2.0 and P83 2.1), which was entangled in an identical manner with a placebo field

Due to the double-blind study design, neither the test subjects nor the test administrators knew which group each person was assigned to. This approach ensures the greatest possible neutrality and excludes any influence of expectations.

<u>Two complementary methods were used to collect data:</u>

- Bioenergy-informative system analysis (BESA) to record energetic and regulatory changes in the organism's information field
- Darkfield vital blood analysis to reveal potential changes at the cellular and haematological level

The combination of these measurement methods allows for a multi-layered view of both physiological and energy-informative processes.
By integrating quantum entanglement as a connecting element between the test object and

the test subjects, a research framework is created that integrates the non-local level of quantum physical interactions into the scientific context.

The P83 project is thus exemplary of the IFVBESA approach, which combines classical methodology and consciousness research to gain new insights into regulation, resonance and quantum-informative effects.

The IFVBESA's exploratory research approach

New knowledge, new insights and new ideas are the breeding ground on which science and the technologies of the future thrive. The exploratory approach plays an important role in most of our research projects and is the seed for the information medicine and quantum technology of tomorrow. In our exploratory study design, we present a methodical research approach in which we investigate research areas and questions that have not yet been explored. This demonstrates both the development and the potential of novel approaches to researching future technologies.

The exploratory approach is ideal, especially in new fields of research such as the effect of quantum technology on bioenergy-informative and biological processes and melanin, because:

- on the one hand, it breaks new ground where no established models yet exist
- observations are collected in order to identify patterns and causal relationships
- it opens up avenues on which later, verifying studies can build

In summary:

Our approach to exploratory research is deliberately open, curious and interdisciplinary. The concrete and feasible application relevance of the International Professional Association for BESA further reduces the otherwise high research risk that often prevents companies and research institutes from addressing topics at a very early stage of development.

On quantum entanglement:

Quantum entanglement is not a physical connection between particles, but rather a synchronisation of information and energy in the field of consciousness. Everything is already connected, not through space and time, but through coherent resonance within a universal information network. Matter is thus merely a condensed manifestation of this interaction of consciousness.

For the current test object, this means that each test person receives an energy-informative signature via virtually defined coordinates. This signature forms an energetic-informative imprint in the quantum field and exists as a constant reality at every moment of movement. It stores the frequency and essence of what is mapped via the coordinates and remains stable in the universal information network as a real extract of the consciousness space. This creates an energy-informative bridge between the original moment and the current consciousness space, which remembers and acts independently of space and time.

Placebo (empty object): In this case, unlike the test object, the placebo is an empty object that does not contain any effective frequencies. Neither the test subjects nor the test persons can distinguish between the test object and the empty object (placebo).

Participants

In addition to the technology of the test object already described, this research project involves at least 12 test subjects. Further test subjects will be integrated in parallel as replacements for any unexpected dropouts.
The test subjects will be informed in advance about the general procedures for this project and their role as representatives (see relevant documents).
This means that neither the test subjects nor the test persons know the background to the series of measurements. The aim of this type of blinding is to obtain the most objective evaluation of the results possible in order to rule out so-called placebo effects.
The test subjects are anonymously assigned a number from P1 to P12. The test subjects are also anonymously assigned to either the control group or the experimental group.
The different schedules for the test subjects can mean that the numbers of the test subjects from P1 to P12 differ in both the experimental group and the control group. For this reason, the statistical evaluation includes additional numbering from 1 to 12 in front of the numbers of the test subjects P1 to P12 (see list of the experimental group (P83 1.0 and P83 1.1) and the control group (P83 2.0 and P83 2.1)).

The BESA tests and vital blood microscopy are performed on each test subject as follows:

1. At the beginning of the project, in order to establish a baseline (current situation).
2. In the second part of the project, after at least four weeks of exposure to the test object or the empty object (placebo).

Abstract on an interdisciplinary perspective

Hypothesis
It is assumed that health dysregulation, particularly in the area of neurovascular and electromagnetic stability of the organism, is directly related to reduced melanin activity, which can be promoted by copper deficiency or vice versa.
Copper, for example, plays a central role as an essential trace element in enzymatic processes (e.g. tyrosinase) that enable the formation and function of melanin. A deficiency of copper, especially in the nerve endothelium, can be exacerbated by oxidative or electromagnetic environmental stress and lead to a disruption of cellular energy flows.
Since melanin potentially acts as a biological resonance carrier and electron buffer, reduced melanin activity could impair the organism's ability to harmonise electromagnetic stimuli and maintain electrical stability in the nervous system.
The hypothesis therefore postulates that there is a reciprocal relationship between copper status, melanin activity and the bioenergy-informative regulatory capacity of the human system, which can be positively modulated by targeted quantum technological influences.

In summary:

- Biochemical logic (copper–tyrosinase–melanin)

- Neurophysiological significance (endothelial function, electrical stability)
- resulting project design: bioenergy-informative and biological regulation through quantum fields

In this project, we are therefore observing a very exciting and highly complex field that combines several levels:

- Melanin as a biological-physical substance with light-absorbing, redox-active and possibly also quantum biological properties.
- Copper as an essential trace element that not only plays a role in enzymes (e.g. tyrosinase, which is crucial for melanin formation), but also in the electrical conductivity of tissues, in antioxidant protection (Cu/Zn superoxide dismutase (SOD1) is a cellular enzyme that converts superoxide radicals into oxygen and hydrogen peroxide to reduce oxidative stress) and in energy production (cytochrome c oxidase is an enzyme in complex IV of the mitochondrial respiratory chain that reduces oxygen to water by accepting electrons from cytochrome c and passing them on).
- Environmental influences such as electrosmog, electromagnetic fields, toxic metals or oxidative stress, which could impair both the bioavailability of copper and the function of melanin.

From a scientific point of view, we can now say that:
There is a direct link between **copper** and **melanin** at a biochemical level. A copper deficiency reduces tyrosinase activity, which leads to reduced melanin production.

- Melanin acts not only as a pigment, but also as an electron or energy buffer that may modulate electromagnetic stimuli (there are already exciting, but not yet fully recognised, studies on this).
- The endothelium, especially in the nervous system, is very sensitive to oxidative and electromagnetic stress. Copper is key to protecting these structures.

If this hypothesis is interpreted in terms of energy and information, a coherent picture emerges:
A copper deficiency weakens melanin activity => melanin loses its potential protective and bridging function between the electromagnetic environment and the biological system => the electrical stability and regulation of the organism become more susceptible to dysregulation.

This is an area that literally calls for interdisciplinary research, because it brings together biochemistry, electrophysiology and quantum biology.

It also fits in perfectly with the IFVBESA's approach, as it already investigates an interface between the materially measurable level (copper, melanin, endothelial function) and the energy-informative field (electromagnetic stability, quantum field).
This hypothesis is entirely plausible and a valuable idea for this stage of research.

Research questions addressed in this current project

In this current study, we are investigating the effect of an innovative test object on the general health parameters of the test subjects. Bioenergy-informative system analysis (BESA) is used to detect possible changes in the energy-informative status and vital blood (darkfield vital blood analysis) of the test subjects. Initial results indicate that quantum technology at least stabilises the status of the energy-informative system, opens blocked control loops, modulates inflammatory processes and promotes a sustainable balance in the organism. The initial results of BESA tests show a clear regulation of the energy-informative parameters towards a regulative behaviour. Particularly noteworthy is the observed interaction between the emotional stress of the test subjects and their vitality.

The research questions primarily concern the coherent and multidimensional evidence for what the IFVBESA has intuitively, theoretically and through research projects built up and tested over many years in connection with all projects relating to this quantum technology. Is it possible that this quantum technology can intervene deeply in biological, energy-informative and regulatory processes via entangled fields without directly applying physical stimuli?

This project examines the following hypotheses at various levels:

1. Energetic and bioinformative level

To what extent can bioenergy-informative system analysis (BESA) be used to demonstrate sustainable regulatory changes in the experimental group compared to the control group as a result of the quantum technology applied?

What influence or reorganisation can quantum-informative impulses have on melanin development, the HPA axis (stress axis) and oxidative and nitrosative processes?

Is so-called quantum entanglement merely a theoretical transmission mechanism, or is it an indication of a practically measurable resonance behaviour in the direction of regulation? (see page 81; summary of results and interpretation of the melanin study, in line with the IFVBESA approach).

2. Biochemical-physiological level

To what extent is it possible to initiate a regulatory influence on copper status, enzyme activities and antioxidant protection within four weeks, or as follows:

- to stimulate the resumption of melanin formation via tyrosinase activation and, subsequently, energetic or electromagnetic buffering
- stimulate the neutralisation of free radicals via Cu/Zn superoxide dismutase to relieve the endothelium
- stimulate an increase in mitochondrial energy production via cytochrome c oxidase to stabilise cell communication

To what extent is it possible to use quantum technology to initiate impulses for physiological regulation in order to enable the recalibration of these aspects?

3. Neurovascular level

The nerve endothelium is one of the systems most sensitive to stressors. To what extent is it possible to use quantum technology to generate electrical coherence throughout the entire electromagnetic field?

4. Blood and milieu level (darkfield vital blood analysis)
To what extent is regulation morphologically visible in vital blood analysis through the application of quantum technology?

5. Scientific and philosophical level
Ist es durch die Anwendung der Quantentechnologie und seinem Informationsfeld, welches über Quantenverschränkung vermittelt wird, möglich, biologische Strukturen auf molekularer, zellulärer und systemischer Ebene neu zu ordnen?

In summary
Initial results suggest that the technology used in the test object can bring about energy-informative harmonisation, in particular supporting the homeostasis of the HPA axis and promoting the regulation of melanin and cell communication.

Research funding services – BESA Darkfield microscopy live blood analysis

The P83 2.1 project is specifically concerned with proving the effectiveness of the test object technology on test subjects 7-12.

The test object is tested in accordance with the client's wishes within the framework of the applicable conditions of the IFVBESA for the award of seals of approval. Depending on the significance of the test results and taking into account all tests of a project, seals of approval are generally awarded in three categories. For the test object, it is to be determined whether its application can harmonise and neutralise the aforementioned stresses from typical environmental influences and, as a result, harmonise and neutralise any existing or emerging disturbances, problems, blockages and disharmonies in the energy system of the test subjects, thereby replacing negative pathological states with positive ones. This will be investigated in the following commissioned tests for this project.

Research project description

The purpose of this test is to prove the functionality of the test object using objectively verifiable measurement results. To this end, the test subjects first underwent a baseline microscopy (BEFORE) to record their initial live blood regulatory state. This was followed by the AFTER microscopy, in which the test subjects were connected to the test object via quantum entanglement (Quantum Upgrade) and tested again.

- The BEFORE Darkfield-microscopy are taken without the test object/empty object
- The AFTER Darkfield-microscopy are taken with the test object (experimental group) and with the empty object (control group)

The question for each AFTER microscopy is: „Is the test object suitable and capable of harmonising or neutralising the perceived stressful effects on the energy information system of the test subjects from the BEFORE tests“?

The appropriately designed tests are intended to provide information on this by comparing the BEFORE tests without the test object with the test results of the AFTER tests to be carried out using the test object.

The client's concern is to determine whether the test object, the ‘Quantum Upgrade’ as noted in the product description, is suitable for harmonising the disturbances, problems, blockages and disharmonies in the meridian system of the test subjects resulting from the BEFORE Darkfield-microscopy.

Generel research questions:

1. Can the technology of the test object influence the effects of the stress factors mentioned at the level of the immune system, white and red blood cells and the blood environment? To what extent are possible effects of the test object on the level of the HPA axis (stress axis) or the hormonal markers mentioned, which were tested via BESA, also visible in the vital blood of the test subjects in a positive, constructive and life-promoting manner?
2. Is a visible relief of chronic stress in the vital blood possible through targeted application of the technology of the test object?

Detailed questions:

Question 1: Can possible pathogenic-morphological developments under the influence of the “test object” (test subjects in the experimental group) be harmonized in the AFTER microscopies?

Question 2: Is the effect of the quantum field from the “test object” via the process of quantum entanglement able to harmonize a blood situation that may be detrimental to the test subjects’ health?

Question 3: What changes can be observed in the immune system, especially in the red and white blood cells (such as erythrocytes, leukocytes, monocytes, lymphocytes, thrombocytes, etc.)?

Question 4: In what form can the environment of the vital blood be adapted by the influence of the test object?

Question 5: Is it the environment of the vital blood that undergoes regeneration due to the influence of the test object and thus influences its individual blood components (bacterial cyclogeny)?

Question 6: What conclusions can be drawn from the application and the already proven effect of the test object on the situation of the test subjects' stress factors?

The client's concern is to determine whether the test object, as noted in the product description, is suitable for harmonizing the disturbances, problems, blockages, and

disharmonies in the meridian system of the test subject (biological object-animals) resulting from the BEFORE microscopy (without test object).

General information about the transfer of information from the test object

The information is transferred from the hyperspace of the test object to the hyperspace of biological objects (people, animals, plants). From there, the information reaches the reference space or the energy space via so-called interaction channels. This is a merger of, among others: all organs and forms of energy in the biological object. There the information from the program can be implemented dynamically and thus change current conditions. The changes can manifest themselves in the form of neutralization or harmonization of disturbances, the resolution of problems, blockages and disharmony.

Conditions:

The corresponding measurement processes are carried out in the IFVBESA premises under laboratory conditions, at room temperature 20°Celsius, on a natural wooden floor. Basically, the test subjects are deswitched (made testable) before the microscopes or the test option for the test subjects is questioned accordingly.
The corresponding DF microscopies are carried out under laboratory conditions, at room temperature 20°Celsius.

Pos.1	BESA 1 microscopy BEFORE as a basis (vital blood status) on the test subjects
Pos.2	BESA 2 microscopy AFTER, after 4 weeks of confrontation of the test subjects with the test object (experimental group) and the blank object (control group)
Pos.3	Evaluation of the results in the project and summary in a corresponding report according to the templateMuster

Microscopy procedure

BESA 1 Microscopy BASIC BEFORE as status of the vital blood

In the first step, a basic microscopy (vital blood status) is carried out on the test subjects' vital blood (taken from the corresponding fingertips).
Goal: Creating a blood status to represent the morphological initial situation for all further microscopies according to BESA.

BESA 2 Microscopy AFTER, after confronting the subject with the test object or the blank object

In the second series of tests, the test subjects are brought into contact with the test object or the empty object for 4 weeks in advance via quantum entanglement, or in this way the test object is activated towards the respective test subjects.
Now the question is: How does the test subject's vital blood react within the 4-week confrontation with the test object?

Legend for interpreting the expression of the blood analysis

The most important real phenomena and their meaning

red blood count and environment

Agglutination of the Erythrocyte (AE):
non-specific agglutination (cell accumulations) of erythrocytes (red blood cells),
low values are an expression of vital blood.

Chondrit – Micro-Chondrite (MiCH):
Last stage of the low-valent, non-pathogenic endobiont forms. Can form entire networks or meshes of fibrin - restriction of flow speed (viscosity), congestion, microcirculation disorders.

Chondrit – Macro-Chondrite (MaCH):
Signs of high pathogenicity, from endobiotically damaged erythrocytes, can also separate - freely in the blood plasma.

Overfilling of the plasma space with endobionts (ÜE):
Shrinking of erythrocytes, increased formation of gear cells and ghosts.

Anisocytosis (AZYT):
Differences in size between erythrocytes due to pathogenic influence, => Wasting processes with erythrocytic reduction.

Gear cells with symprotite filling:
In the advanced endobiosis stage (pathogenic), snake-like outgrowths form.

Gear cells with vacuoles:
In the advanced endobiosis stage (pathogenic), vacuoles form inside the cells.

Bear Paw Erythrocytes (BTE):
Mainly in cases of kidney weakness or overload, hemolytic anemia.

Flow property of blood (FEB):
The higher the flow properties of the blood, the more efficient the quality of care for target areas with oxygen.

Deformations of the cell membrane (DZM):
Disturbances in the normal shape of the erythrocytes (blood cell membrane disorders) or Irregularities in the membrane shapes of red blood cells. The more regular
the more pronounced the vitality of the blood.

Filitbuilding (FB):
Thread networks in the blood, restriction of microcirculation and flow properties
blood, => arterial and venous congestion, circulatory disorders,
Forms of hypertension, etc. Filite formation is a sign of oxidative stress. The lower or
The more harmonious the filite formation, the higher the stress tolerance. Adequate filit formation is Expression of a harmonious cell metabolism.

Filit-Nester-Filit-Symplasts (FN-S):

Strong accumulation of thread networks in the blood to form nests or further into real symplasts when combined with endobiotic material.

Hemolysis (H):
Disintegration or dissolution of erythrocytes (red blood cells).

Mychite or Ascite (A):
Spherical primordial germ cell of all bacteria, with a wall-mounted nucleus = mychit. They can also appear as groups (many small mychites). Original form of bacterial formation of cocci or rod bacteria. Can appear in the environment as well as within erythrocytes, e.g. Leptotrichia buccalis extracellular and intracellular.

Ascite-chains (AK):
Chain-like accumulation either free or growing from erythrocytes or leukocytes, highly pathogenic.

Dendroid vacuoles, erythrocytes with vacuoles (EV):
Vacuoles are created by the disintegration and consumption of erythrocytes by the endobiont. These are highly pathogenic conditions.

Thecite (TH):
Original form of all bacteria in a primitive spherical shape with more or less mobile primordial nuclei in groups or individually - depending on the stage, more or less pathogenic.

Thecite in Erythrocytes (THE):
Highly pathogenic stage

Symplasts (S):
Form a cyclogenetic stage. By shifting the blood pH value => alkaline
Alignment. Their pathogenicity can only be determined by cycloid affiliation, form and species be distinguished. E.g. Mucor symplasts, Aspergillus symplasts, mixed symplasts etc.

Mucor-Symplasts (MS):
Aspergillus-Symplasts (AS):

Sclero-Symplasts (SS):
Sclerotic or crystalline forms of symplasts, dry protein forms - due to water removal, barkless and diverse structures of vesicular, disc-shaped to flat nature.

Parasitic loads (PB):
E.g. Leptotrichia buccalis intra- or extracellular, (LB). It is important to note here that the topic of parasites is more extensive than those listed here. Parasites develop according to Prof. Dr. Enderlein in a roughly speaking, correspondingly changed or burdened environment. The respective environment allows the protite to develop higher or to regress according to the bacterial cyclogeny. Parasites can therefore be both non-pathogenic and pathogenic.

Aspergillus Butterfly - Pteroharps (AB):
High valences of Aspergillus niger from Tieghem, signs of a very high endobiotic state.

Sporoid Symprotite – Sclero-Symprotite (SS):

Strongly bright in several colours, depending on the organ assignment, -> sclerotic forms of the endobiont, => pathogenic.

White blood count

Thrombozytes-Symplasts (TZS)
Clumped platelets mixed with calcium and cholesterol -> thrombosis and atherosclerosis.

endobiotic attack of white blood cells (EBWBK):
accumulation of ascites either free or growing from leukocytes, highly pathogenic.

endobiotic destruction of leukocytes (ZL):
Dissolution of leukocytes due to endobiotic infestation, highly pathogenic.

Traces – Spike protein (SP):
Typically hemolytic processes (decomposition or dissolution of erythrocytes and leukocytes) in all stages of cyclogeny.

Final and drying forms in the blood

Chondrite processes from erythrocytes (CHF1):
Chondrite processes made of white blood cells (CHF2):
Signs of high pathogenicity, from endobiotically damaged erythrocytes, can also separate - freely in the blood plasma.

Gut pattern (DM):
Forms of drying that are similar to an intestine -> pay general attention to the stress on the intestine.

Drepanites – Fish Spine (DFWS):
Dry protein sheaths arranged one behind the other, a chronic condition which can be assigned to Mucor and Aspergillus Cyclode.

Systagonia, scleroforms and pseudo-crystals (PK):
Nationalization into higher organisms, complicated living - sometimes fantastic natural structures. In severe chronic conditions in viral, bacterial or mycotic stages.

Bryosclerite – Starspatter (BS):
Sclerotics as dry protein symplasts – magical blood morphological desiccations like star spatter.

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Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Results from the observation of the Controll group project P83 2.1 - process of microscopy

In the following, test subjects from the experimental group are presented and interpreted for photographic and video documentation of the changes found during the microscopic examination of the blood.

The following illustrations show the expression of the morphology of the blood representatively and summarized for all test subjects in a BEFORE and AFTER illustration with their peripheral blood changes.

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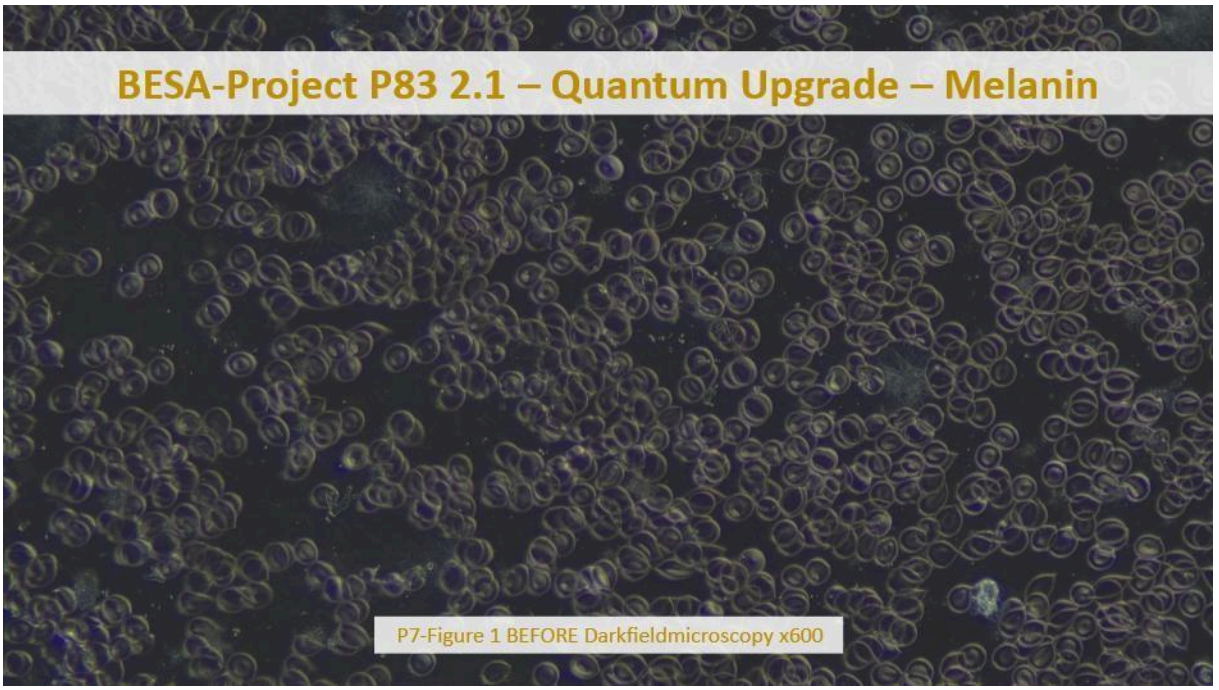
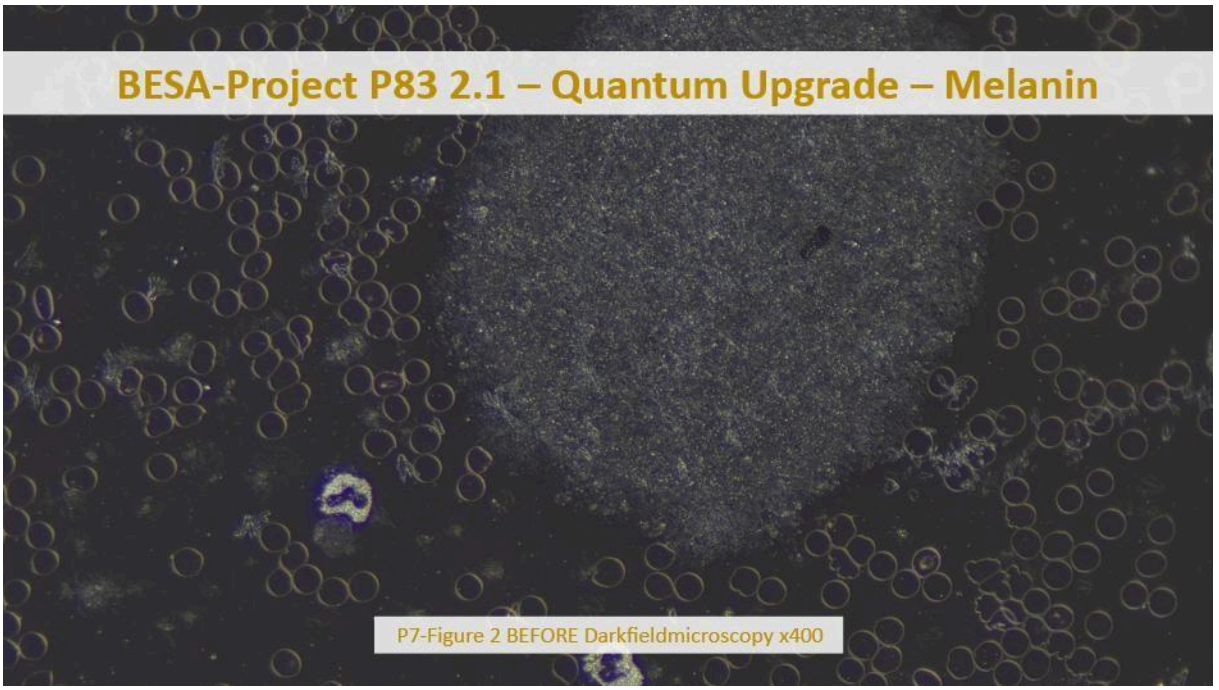
Subject 7 (P1) IV

BEFORE Microscopy – Control group





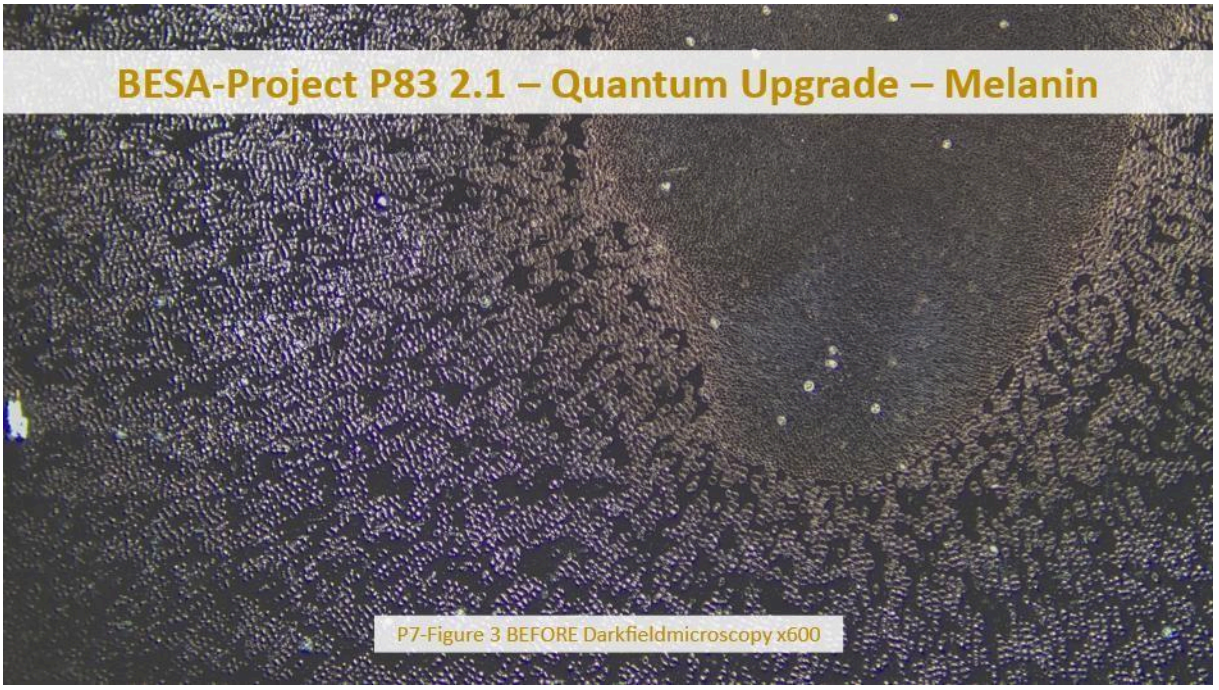
PICTURES 1-3 ABOVE and BELOW show an excerpt of the subject's blood condition after BEFORE microscopy. The microscopies took place immediately after the blood collection.

Paired cells (kidney weakness) and so-called target cells (indication of water and oxygen deficiency) such as lemon cells (indication of liver and spleen weakness) are clearly visible in the picture. Furthermore, filite nests are a sign of degeneration (strong accumulation of

thread networks in the blood to form nests or further to form regular symplasts when combined with endobiotic material).

In PICTURE 2 ABOVE, in addition to Aspergillus high valences of Aspergillus niger from Tieghem or Petroharpen (Aspergillus Butterfly - sign of a very high endobiotic state), there is also a Rießen symplast (picture in the middle).

IMAGE 3 BELOW shows unspecific agglutinations of the erythrocytes (cell accumulation of red blood cells) of very large extent. This form of honeycomb structures is an indication of cell membrane disorders (reduced cell membrane potential). The longitudinal adhesions indicate liver strain.



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Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Subject 7 (P1) IV

AFTER Microscopy – Control group

PICTURES 1-3 (7-9) BELOW show an excerpt of the subject's blood condition after the AFTER microscopy and AFTER the 4-week confrontation of the subject with the placebo test object. The microscopies took place immediately after the blood collection.
The AFTER microscopes show a similar picture to those from the BEFORE microscopes. In addition to the formation of target cells, strong agglutination of lemon-shaped erythrocytes can be seen in Figure 1 BELOW.

P7-Figure 1 AFTER Darkfieldmicroscopy x600

P7-Figure 2 AFTER Darkfieldmicroscopy x400

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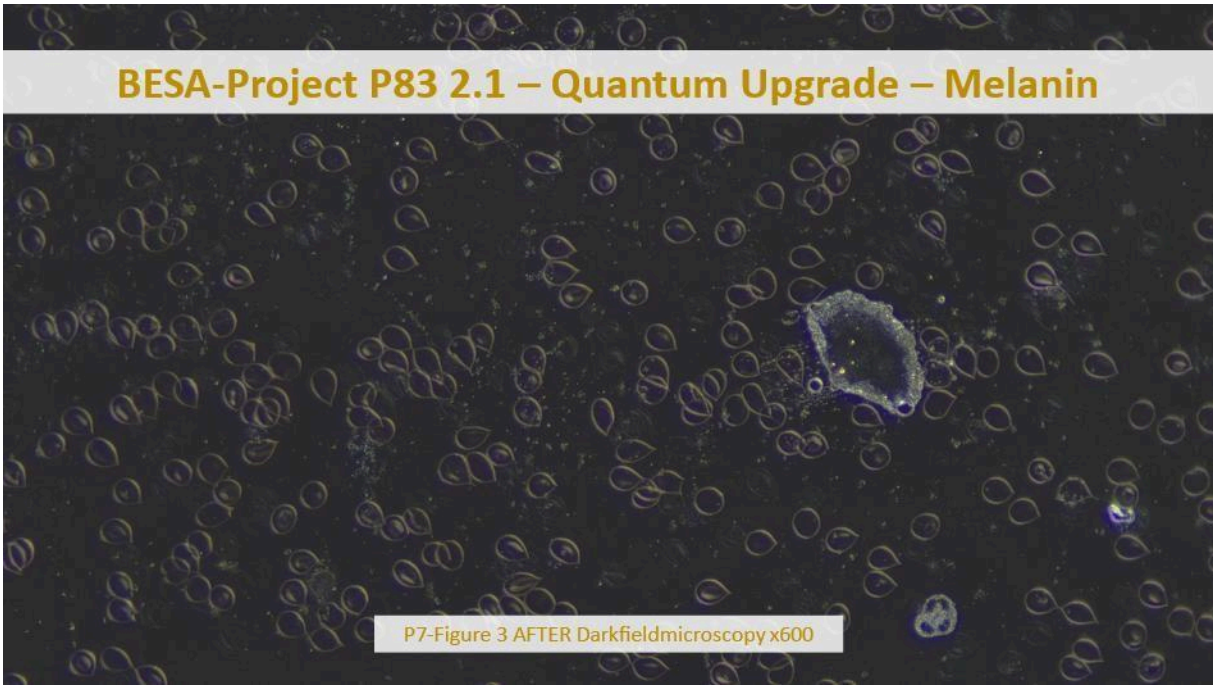
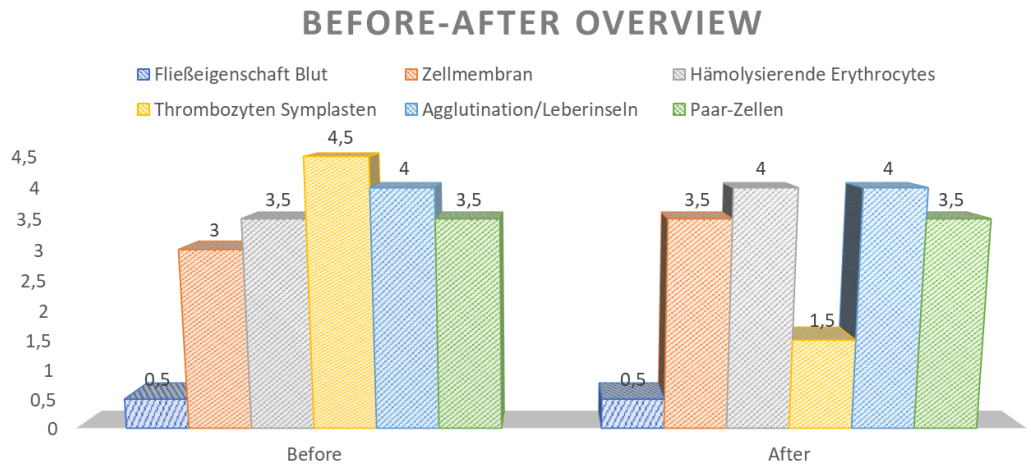


In picture 2 (8) you can see filite nests, pair cells and petroharps again.

So a very similar picture to that from the microscopies that had taken place 4 weeks earlier.

In addition to the aspects already mentioned, picture 3 (9) also shows a large Aspergillus niger from Tieghem - Symplast.

This means that the placebo test object had no influence on the pathogenicity of the blood environment or blood components. (see also the comparison with the BESA detailed project Project P83 1.0).



	Before	After
Fließeigenschaft Blut	0,5	0,5
Zellmembran	3	3,5
Hämolysierende Erythrocytes	3,5	4
Thrombozyten Symplasten	4,5	1,5
Agglutination/Leberinseln	4	4
Paar-Zellen	3,5	3,5

Subject 8 (P3) HT

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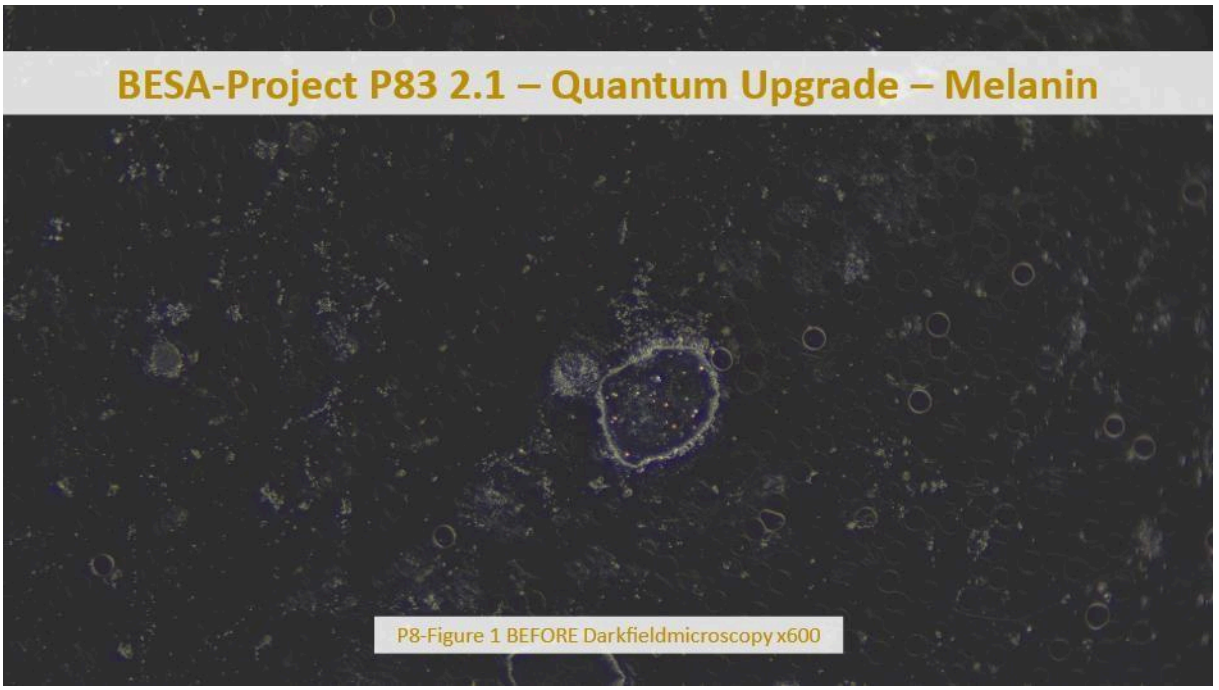
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

BEFORE Microscopy – Control group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after BEFORE microscopy. The microscopies took place immediately after the blood collection.

The BEFORE microscopes in IMAGE 1 BELOW show a drastic situation. Hemolytic erythrocytes and a large Aspergillus niger von Tieghem symplast. A highly pathogenic blood count.



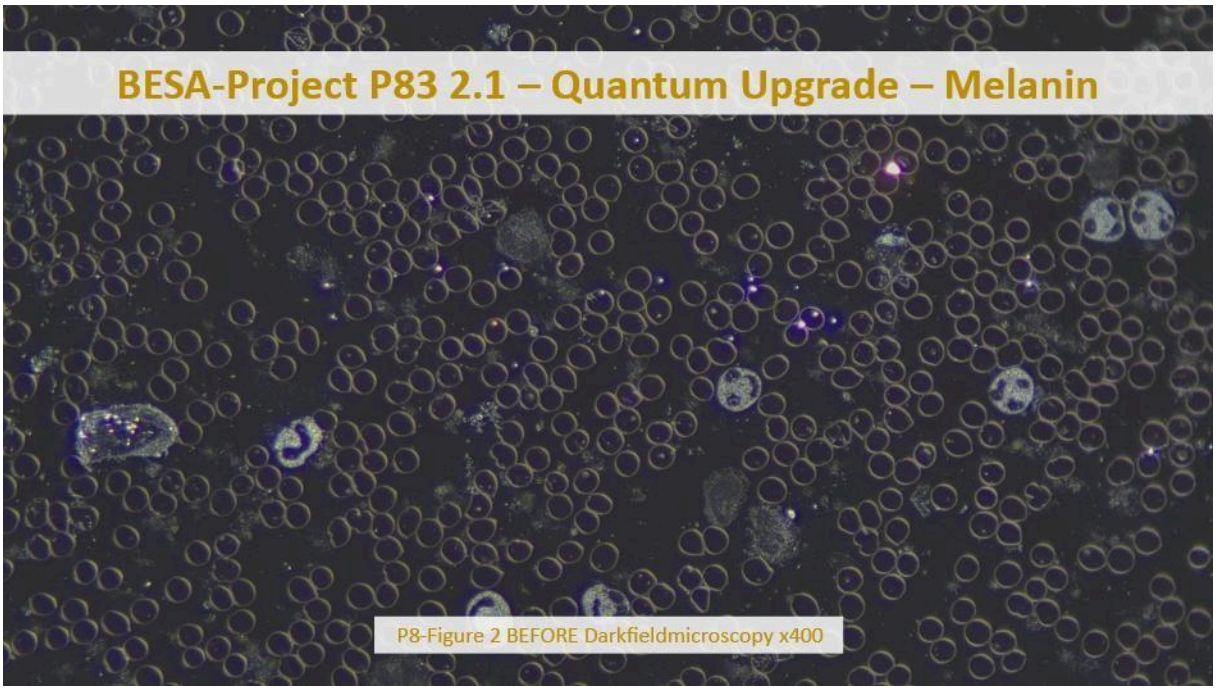
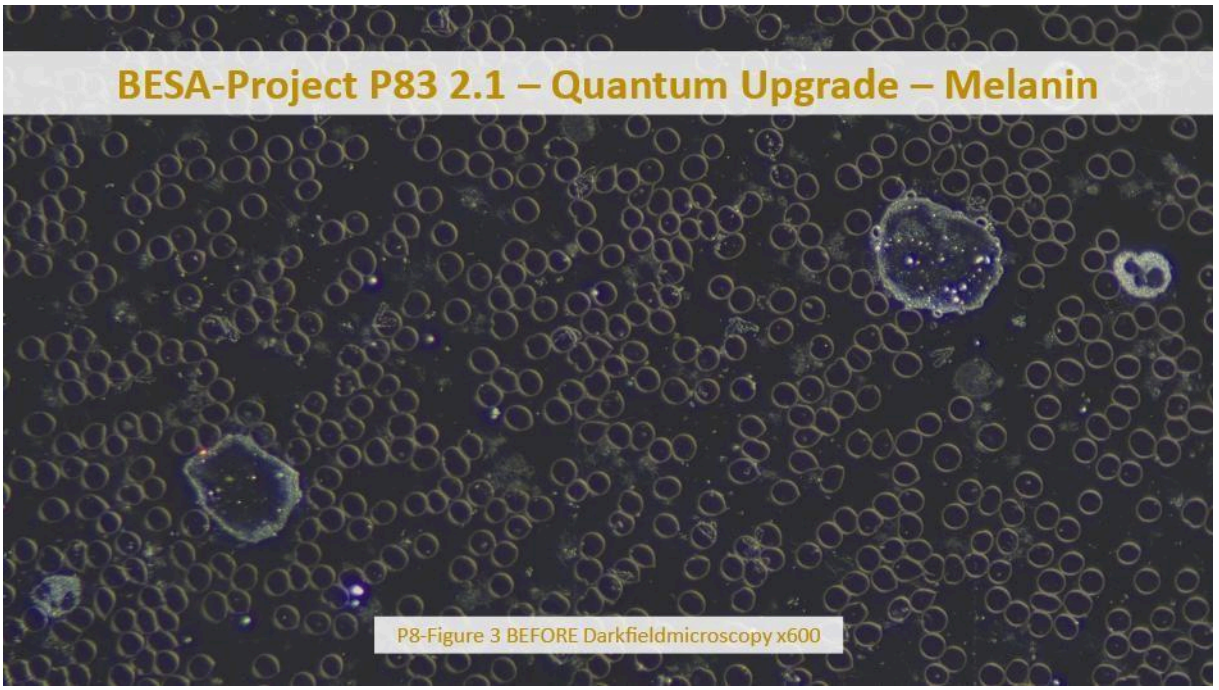


IMAGE 2 TOP and IMAGE 3 BELOW also show Aspergillus niger Tieghem - symplasts, paired with a relatively large number of platelets and petroharps. The so-called sporoid symprotites

(dry protein that accumulates on the slide) can also be seen in the blood. In this case, this is an indication of intestinal strain.



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Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
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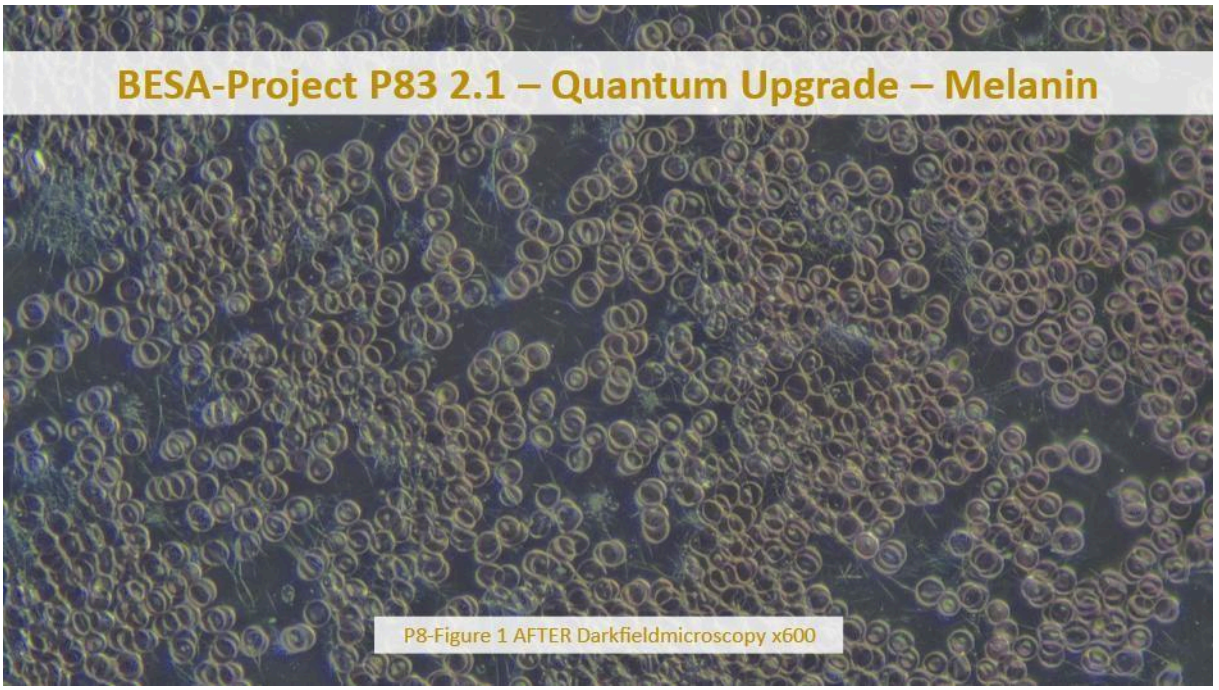
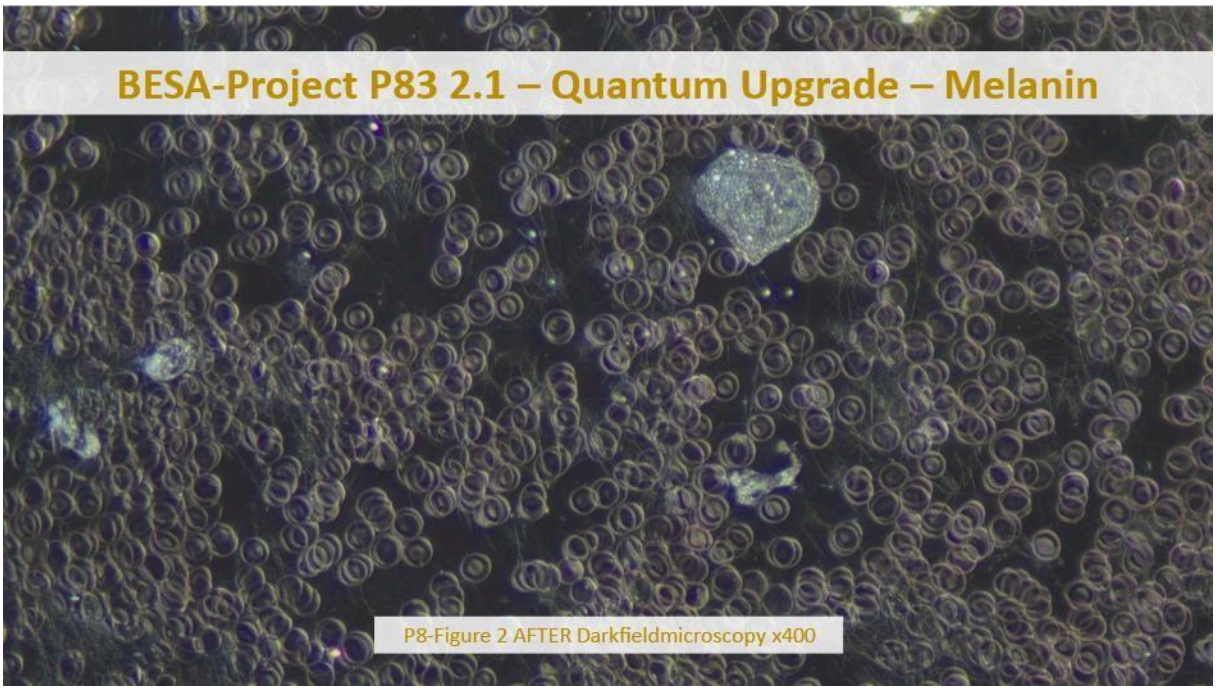
Subject 8 (P3) HT

AFTER Microscopy – Control group



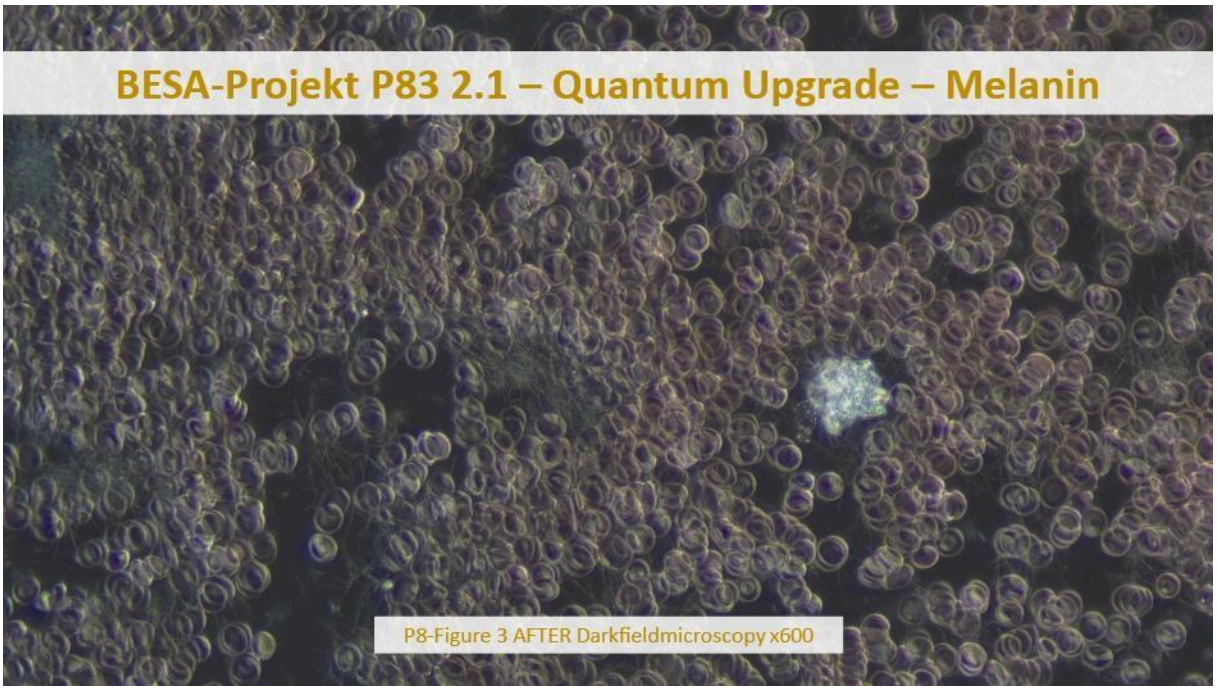


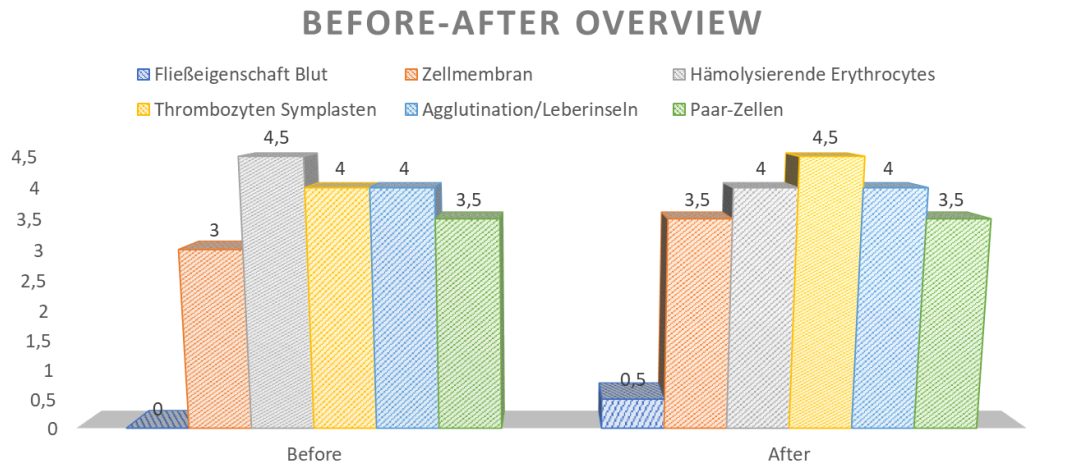
Die BILDER 1-2 (7-8) OBEN zeigen einen Auszug vom Blutzustand des Probanden nach der NACHHER Mikroskopierung und NACH der 4-wöchigen Konfrontation des Probanden mit dem Placebo - Testobjekt. Die Mikroskopierungen fanden unmittelbar nach der Blutabnahme statt.

Die NACHHER Mikroskopierungen zeigen ein ähnliches Bild wie jene aus den VORHER Mikroskopierungen. Zusätzlich zeigen die Blutbilder die Bildung von Paarzellen

(Nierenbelastung) sowie unspezifische Agglutinationen und Filitbildung sowie die Bildung von Filitnester und einen Mischsymplasten.

Das bedeutet, das Placebo-Testobjekt zeigte keinen Einfluss auf die Pathogenität des Blutmilieus bzw. der Blutbestandteile. (siehe dazu auch den Vergleich mit dem BESA-Detailprojekt Projekt P83 1.0).





	Before	After
Fließeigenschaft Blut	0	0,5
Zellmembran	3	3,5
Hämolysierende Erythrocytes	4,5	4
Thrombozyten Symplasten	4	4,5
Agglutination/Leberinseln	4	4
Paar-Zellen	3,5	3,5

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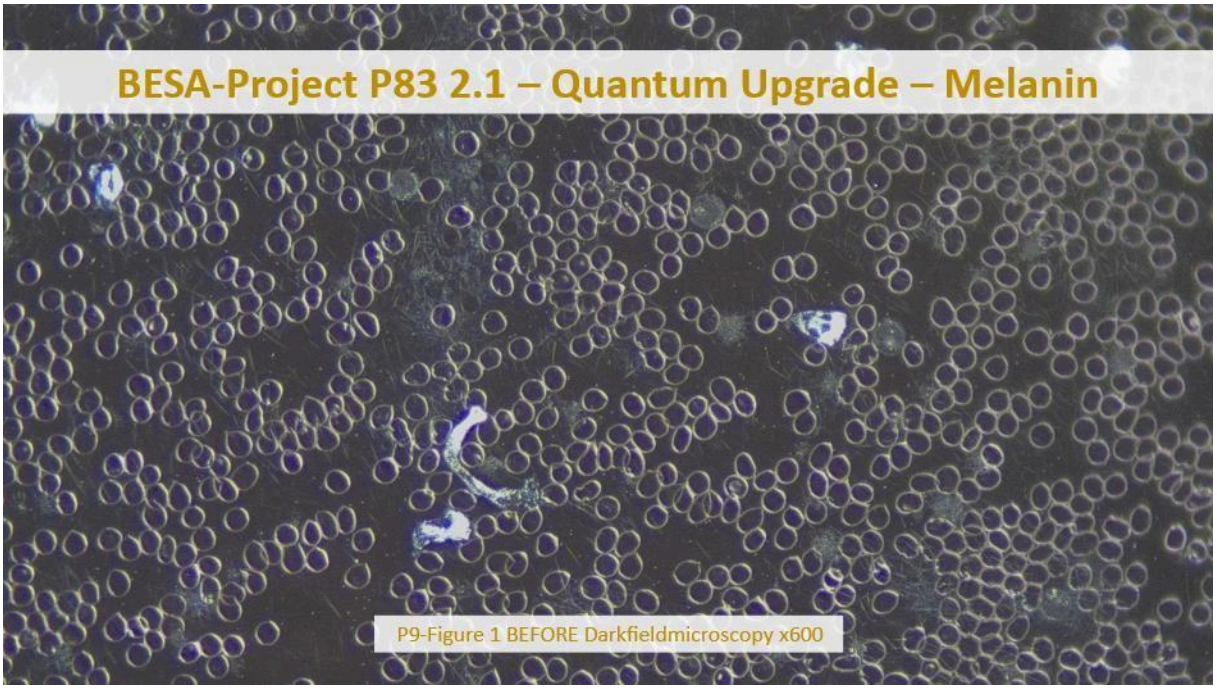
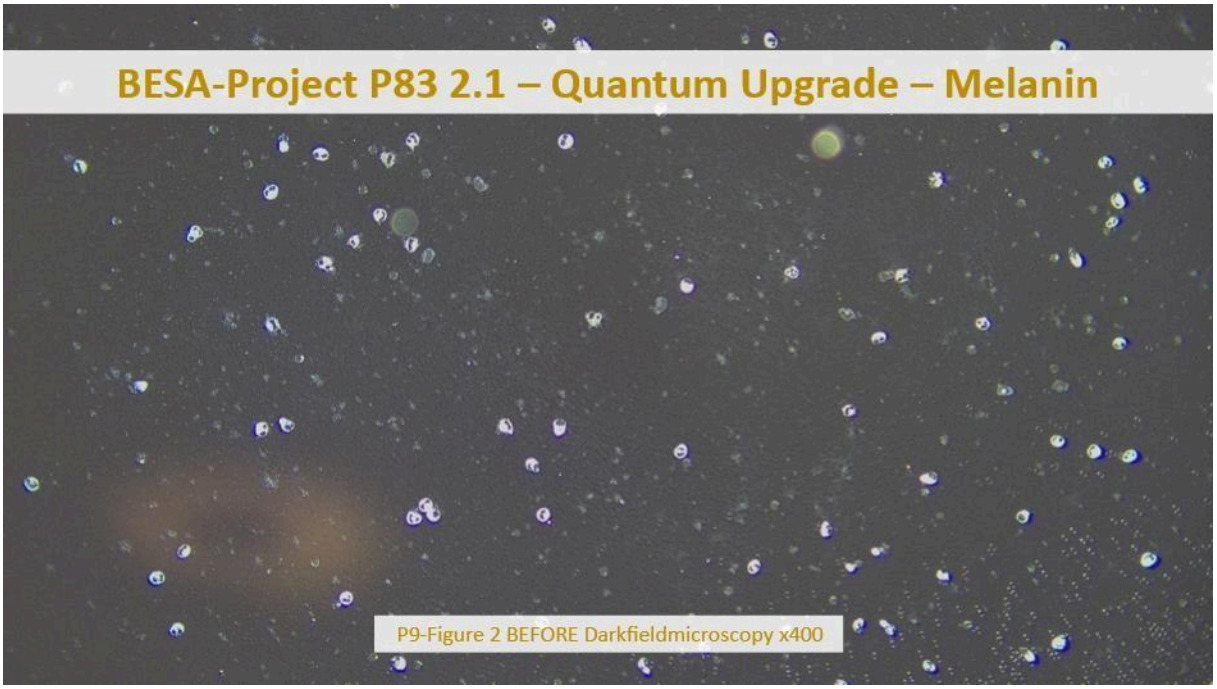
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Subject 9 (P6) KK

BEFORE Microscopy – Control group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after BEFORE microscopy. The microscopies took place immediately after the blood collection.





The PREVIOUS microscopies in FIGURE 1-2 ABOVE show a mixed blood picture with partially hemolytic erythrocytes, filite formation and bear paw erythrocytes (cell membrane disruption due to indentation of fat droplets, triglyceride formation).
The situation in Figure 3 BELOW shows hemolytic erythrocytes in a wide circle as well as granulocytes (white blood cells) that are dissolving in this pathogenic environment.

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Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
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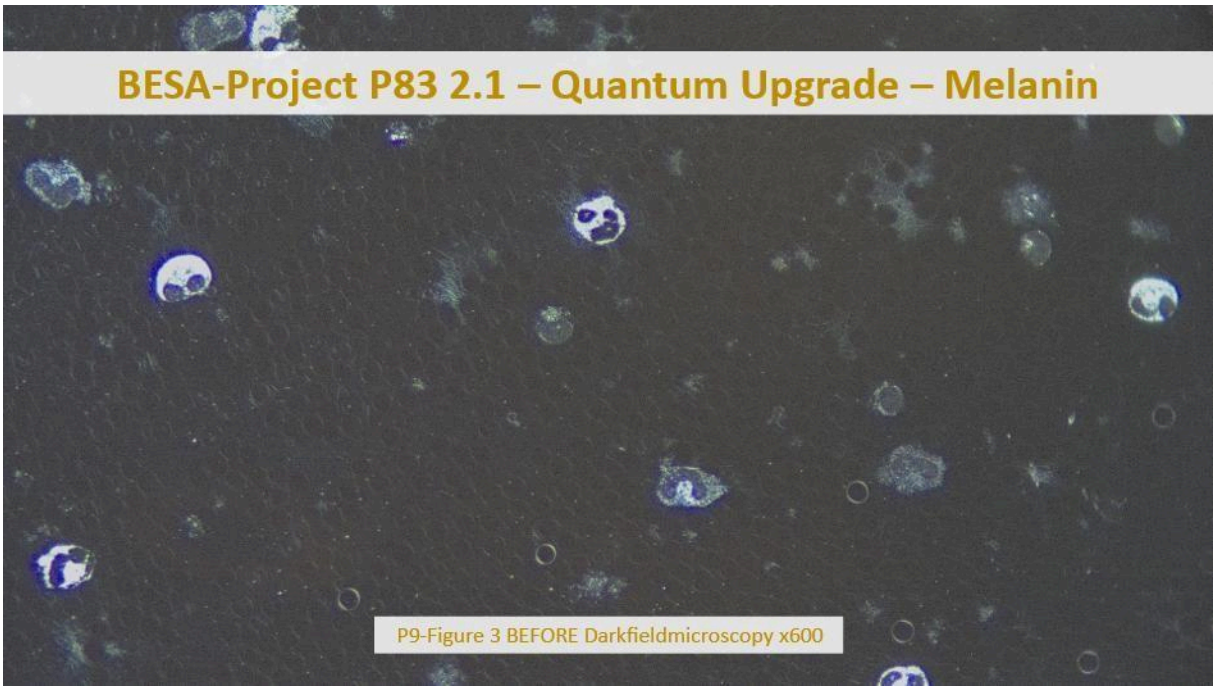
BESA-Project P83 2.1 – Quantum Upgrade – Melanin



P9-Figure 3 BEFORE Darkfieldmicroscopy x600

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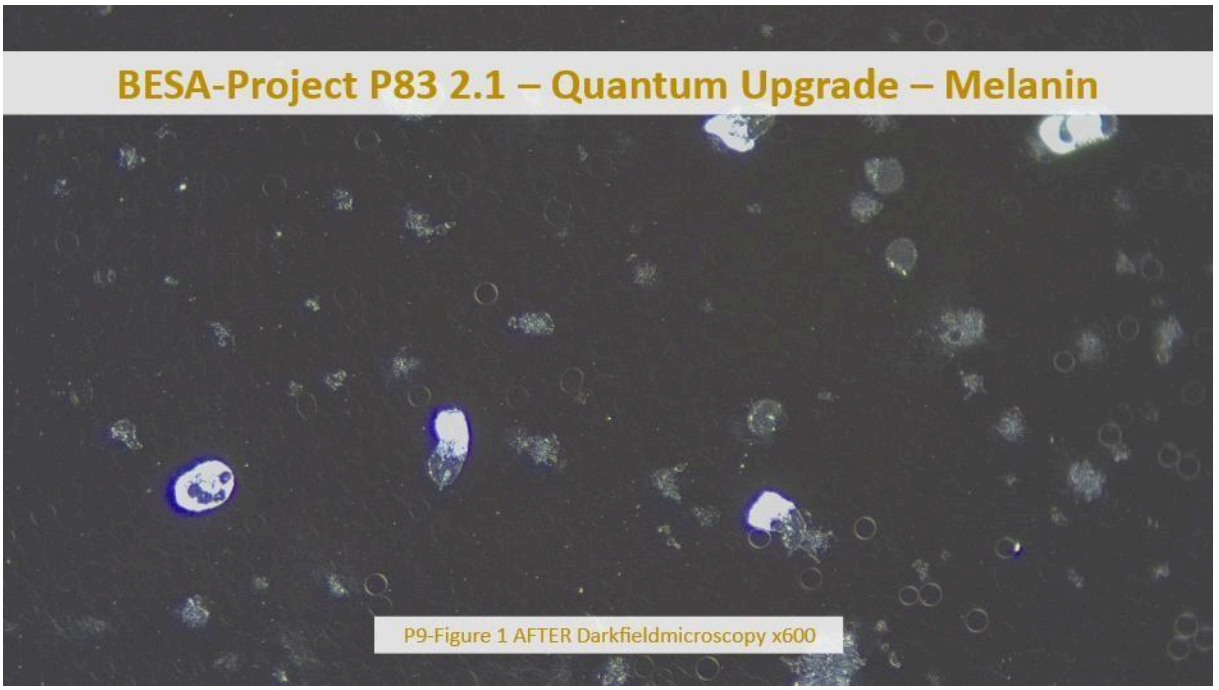
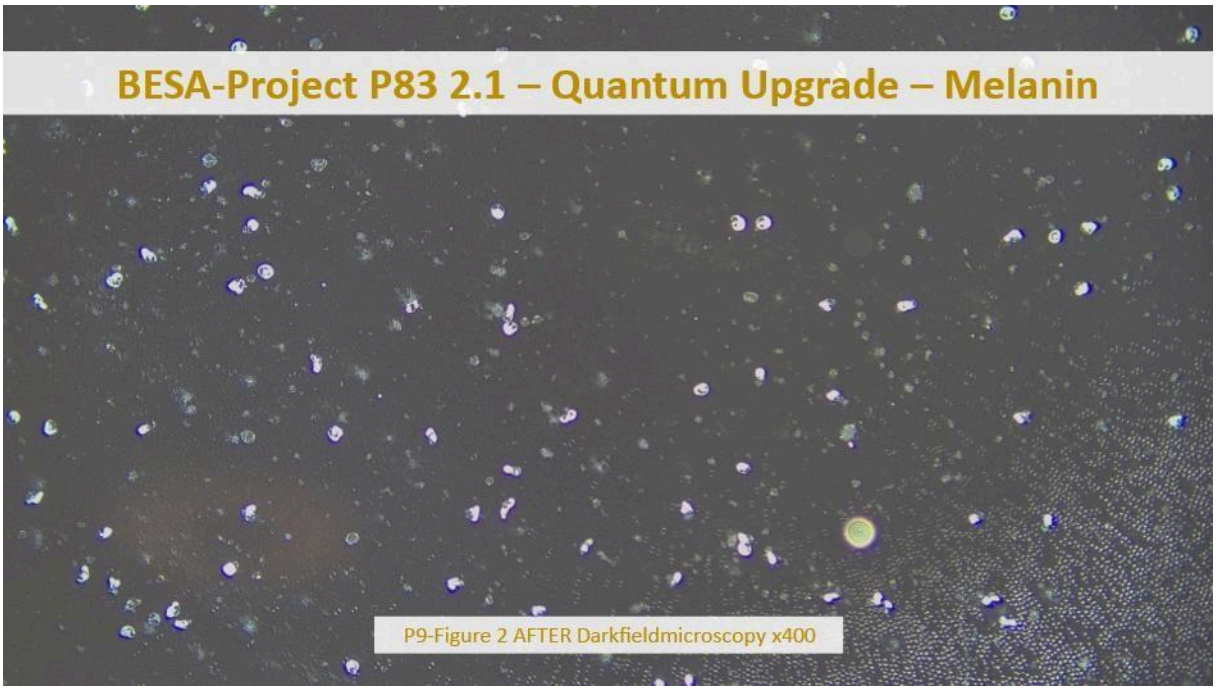
Subject 9 (P6) KK

AFTER Microscopy – Control group



P9-Figure 1 AFTER Darkfieldmicroscopy x600

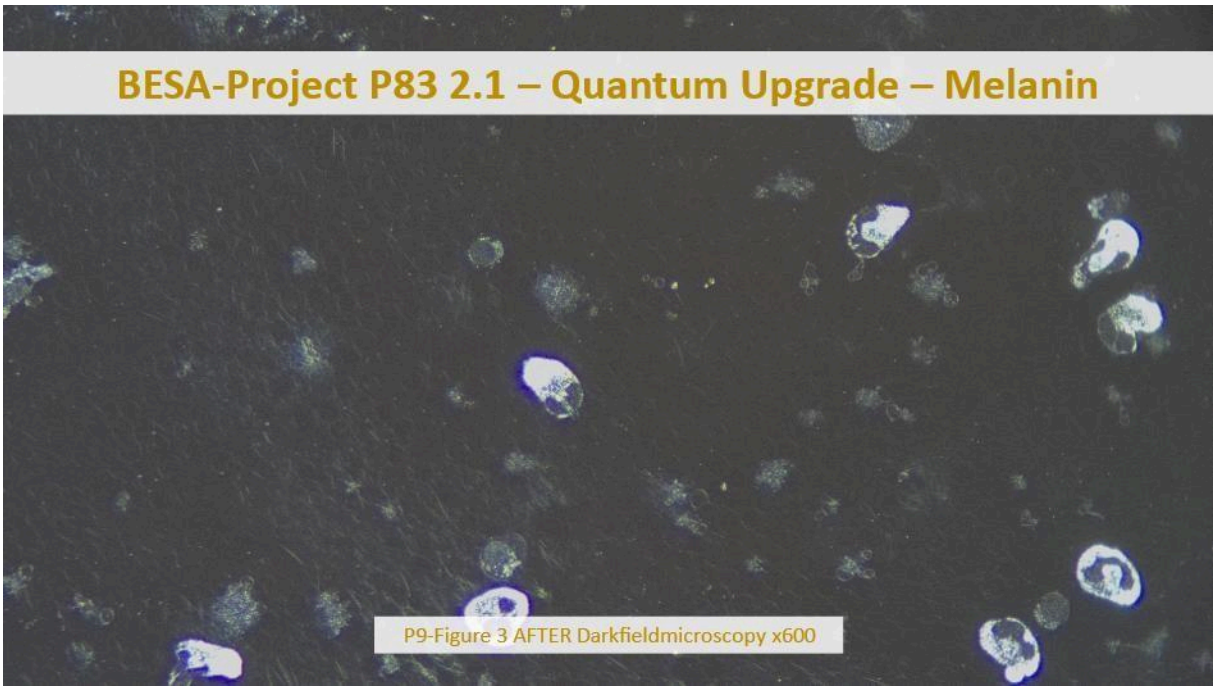


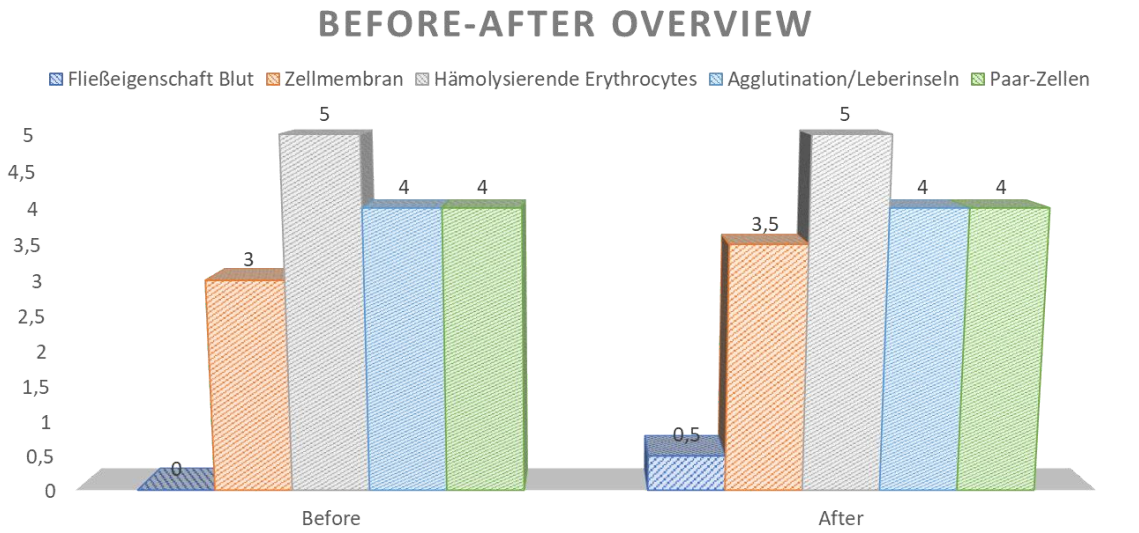
P9-Figure 2 AFTER Darkfieldmicroscopy x400

PICTURES 1-2 ABOVE show an excerpt of the subject's blood condition after the AFTER microscopy and AFTER the 4-week confrontation of the subject with the placebo test object. The microscopies took place again immediately after the blood was taken.
The AFTER microscopes show a similar picture to those from the BEFORE microscopes.

In addition to the many hemolytic erythrocytes, an excessively high number of dynamic white blood cells can be seen in IMAGE 2 TOP and IMAGE 3 BELOW (inflammatory reaction).

This means that the placebo test object had no influence on the pathogenicity of the blood environment or blood components. (see also the comparison with the BESA detailed project Project P83 1.0).





	Before	After
Fließeigenschaft Blut	0	0,5
Zellmembran	3	3,5
Hämolysierende Erythrocytes	5	5
Agglutination/Leberinseln	4	4
Paar-Zellen	4	4

Subject 10 (P8) RK

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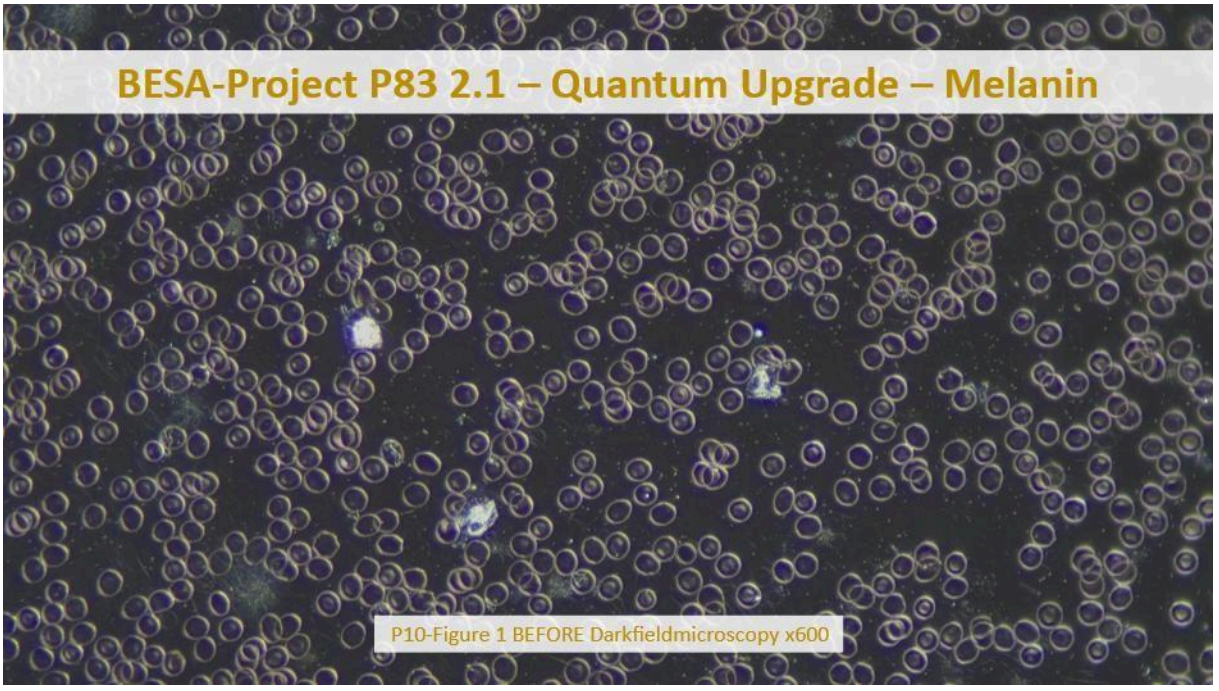
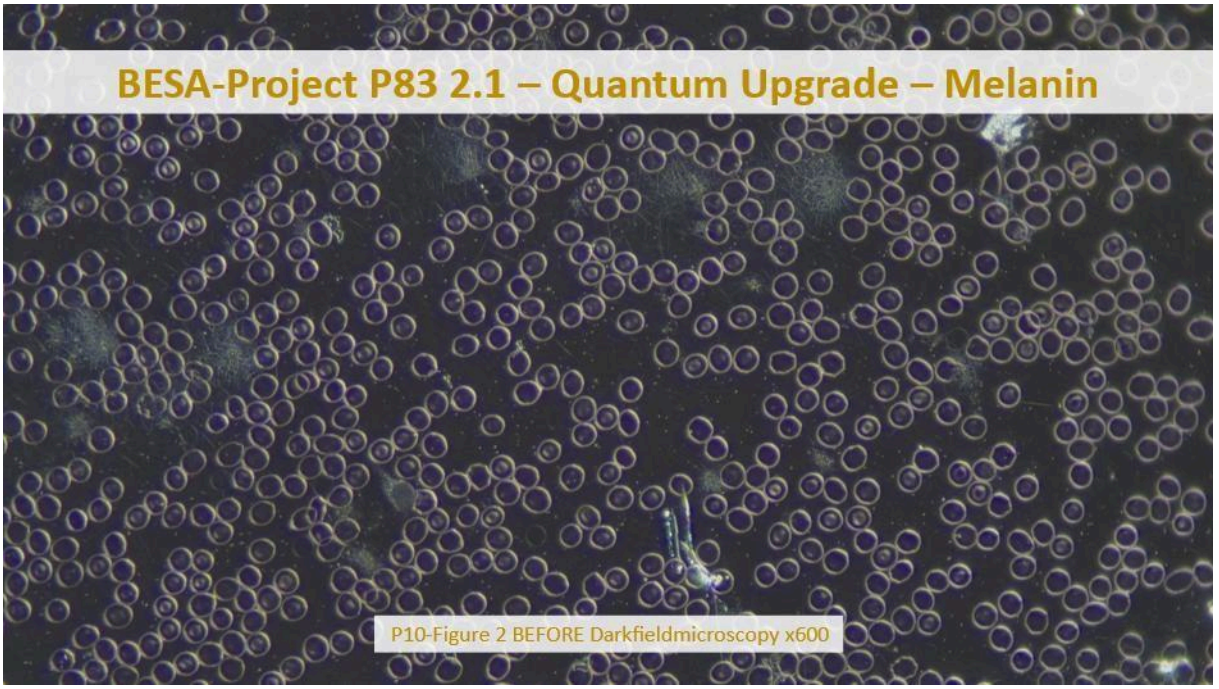
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

BEFORE Microscopy – Control group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after BEFORE microscopy. The microscopies took place again immediately after the blood was taken.





Die VORHER Mikroskopierungen zeigen ein moderates Bild, welches durchwachsen ist von Erythrozyten mit teils endobiontischen Befall, mit Petroharpen und Erythrozyten, die unter einer Proteinlast leiden (Target-Zellen). Zusätzlich zeigen sich in zunehmenden Maße Filitnester.

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Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
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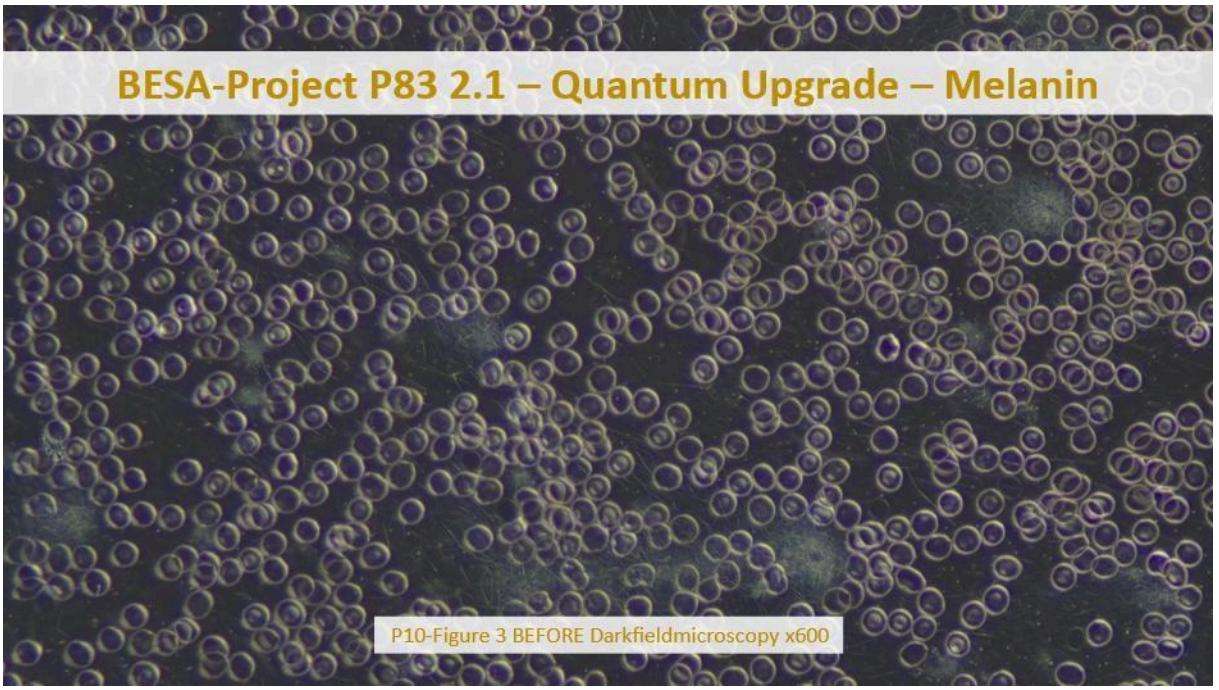
Im BILD 3 UNTEN zeigt sich eine ähnliche Situation. Auf den ersten Blick zeigt die Mikroskopierung ein relativ gutes Blutbild. Bei genauer Betrachtung sind die pathogenen Valenzen klar erkennbar).



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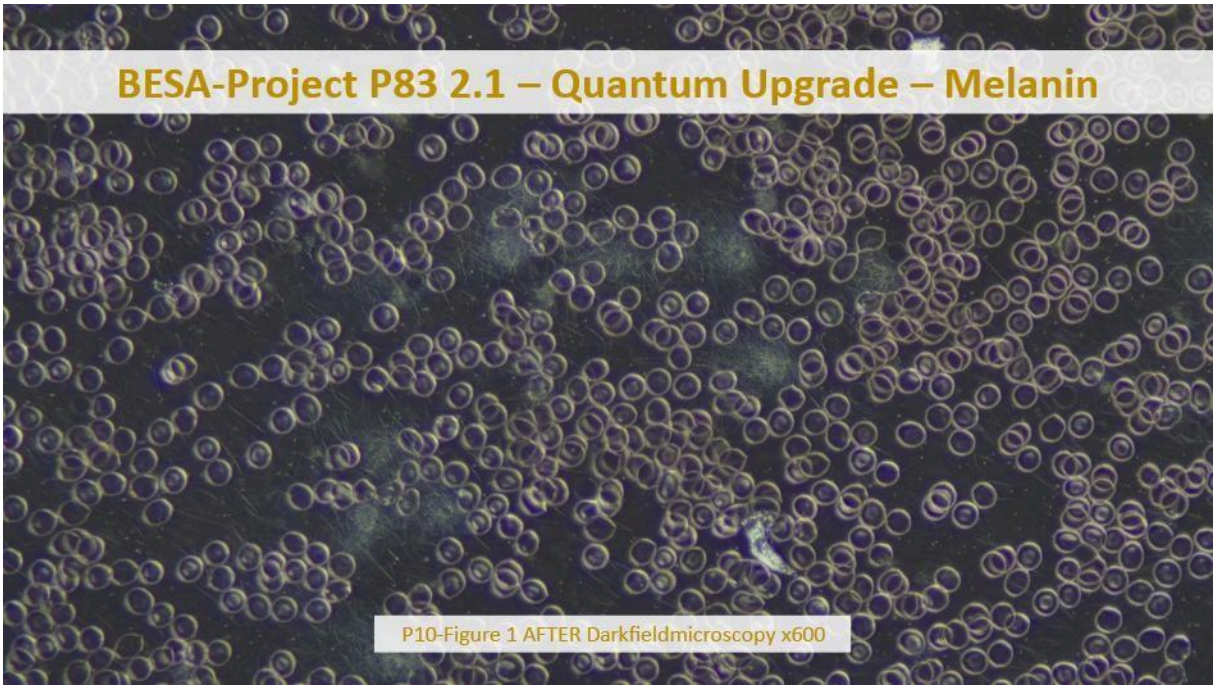
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Subject 10 (P8) RK

AFTER Microscopy – Control group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after the AFTER microscopy and AFTER the 4-week confrontation of the subject with the placebo test object. The microscopies took place again immediately after the blood was taken.

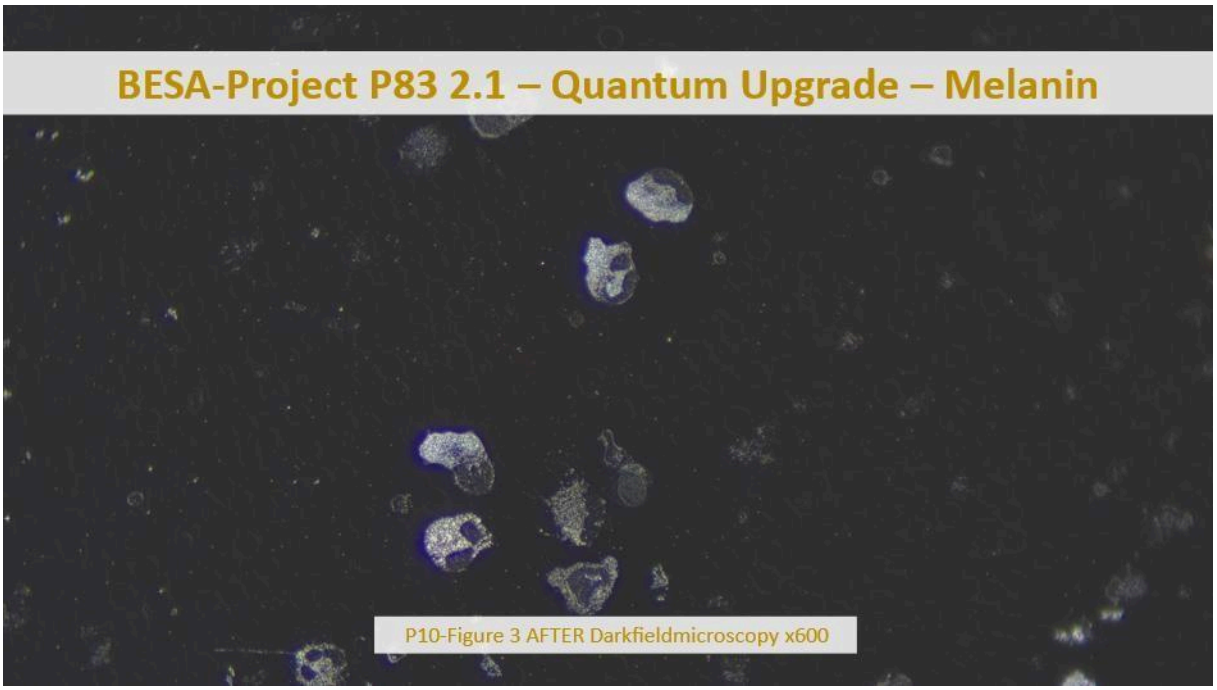


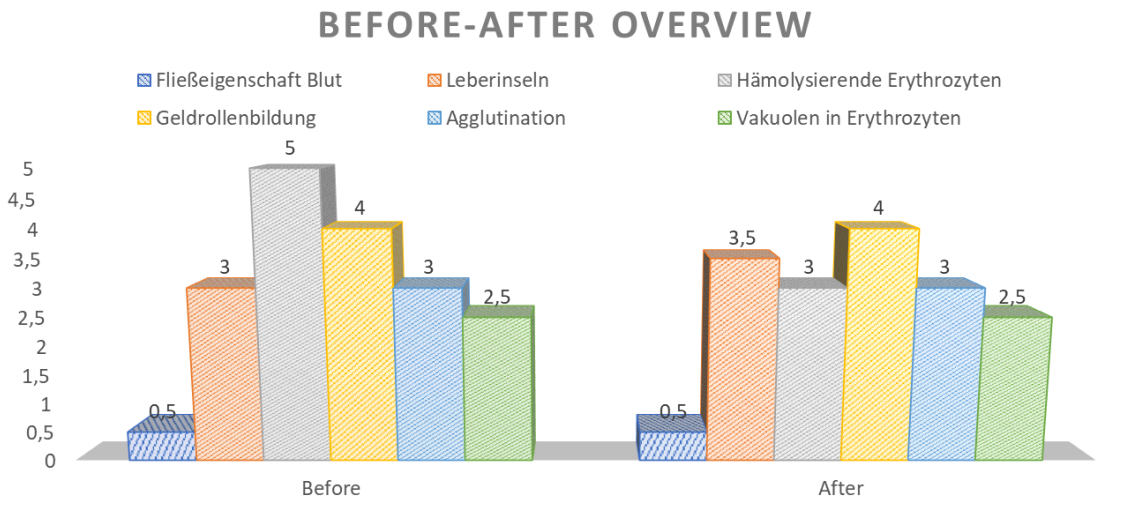
P10-Figure 1 AFTER Darkfieldmicroscopy x600

P10-Figure 2 AFTER Darkfieldmicroscopy x400

The AFTER microscopes show a very identical or similar image to that from the BEFORE microscopes 4 weeks ago.

This means that the placebo test object had no influence on the pathogenicity of the blood environment or blood components. (see also the comparison with the BESA detailed project Project P83 1.0).





	Before	After
Fließeigenschaft Blut	0,5	0,5
Leberinseln	3	3,5
Hämolysierende Erythrozyten	5	3
Geldrollenbildung	4	4
Agglutination	3	3
Vakuolen in Erythrozyten	2,5	2,5

Subject 11 (P11) EM

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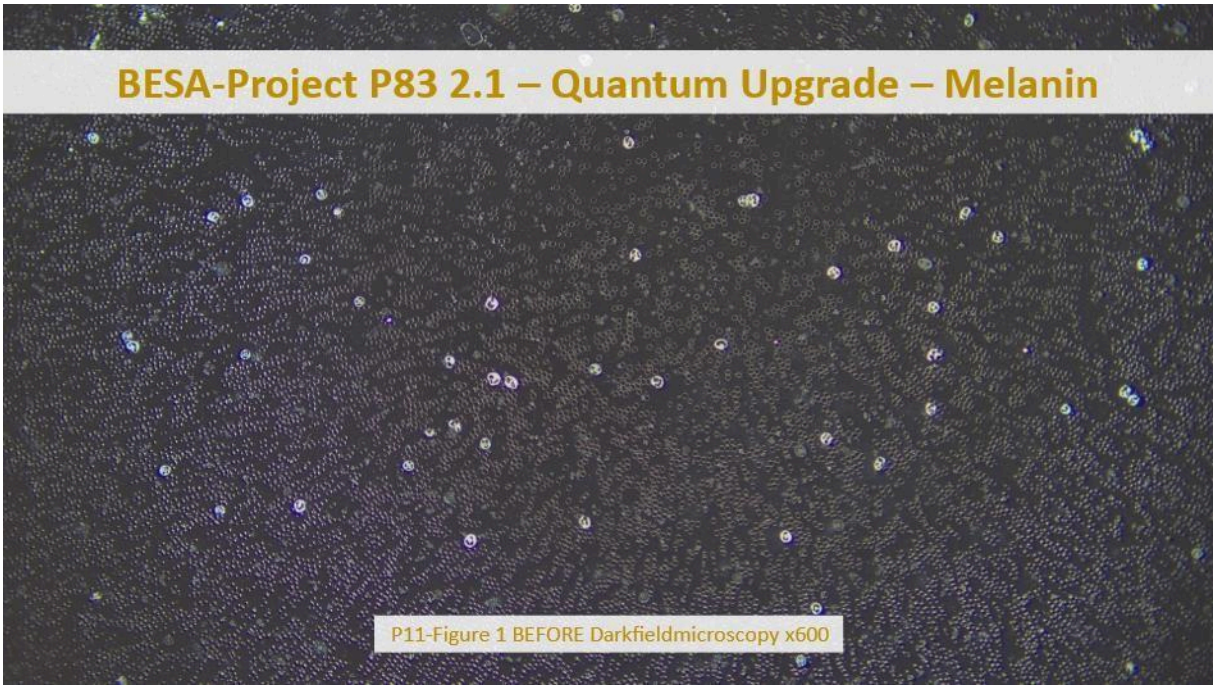
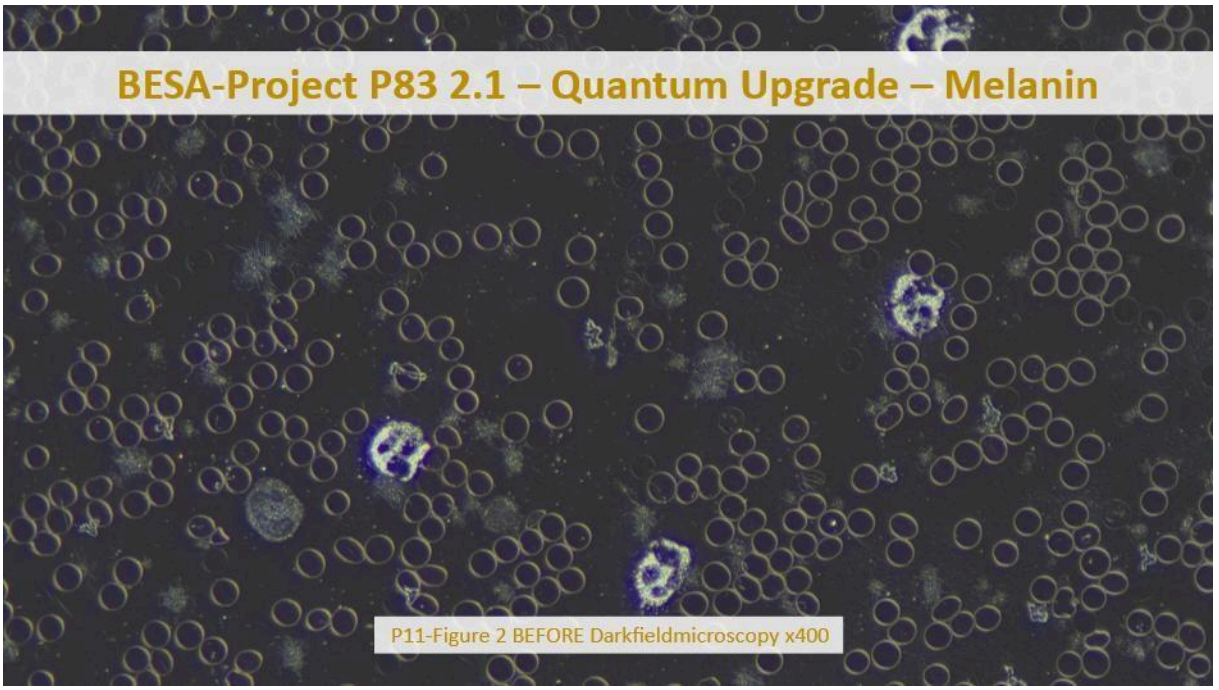
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

BEFORE Microscopy – Control group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after BEFORE microscopy. The microscopies took place again immediately after the blood was taken.



P11-Figure 1 BEFORE Darkfieldmicroscopy x600



P11-Figure 2 BEFORE Darkfieldmicroscopy x400

The BEFORE microscopes show a mixed and deceptive picture. Because the erythrocytes, some of which are beautiful, are interspersed with hemolytic erythrocytes, petroharps (Aspergillus type) and filite nests and thrombocytes. IMAGE 1 ABOVE also shows a large number of granulocytes (white blood cells), which suggests that the immune system is stimulated.

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Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
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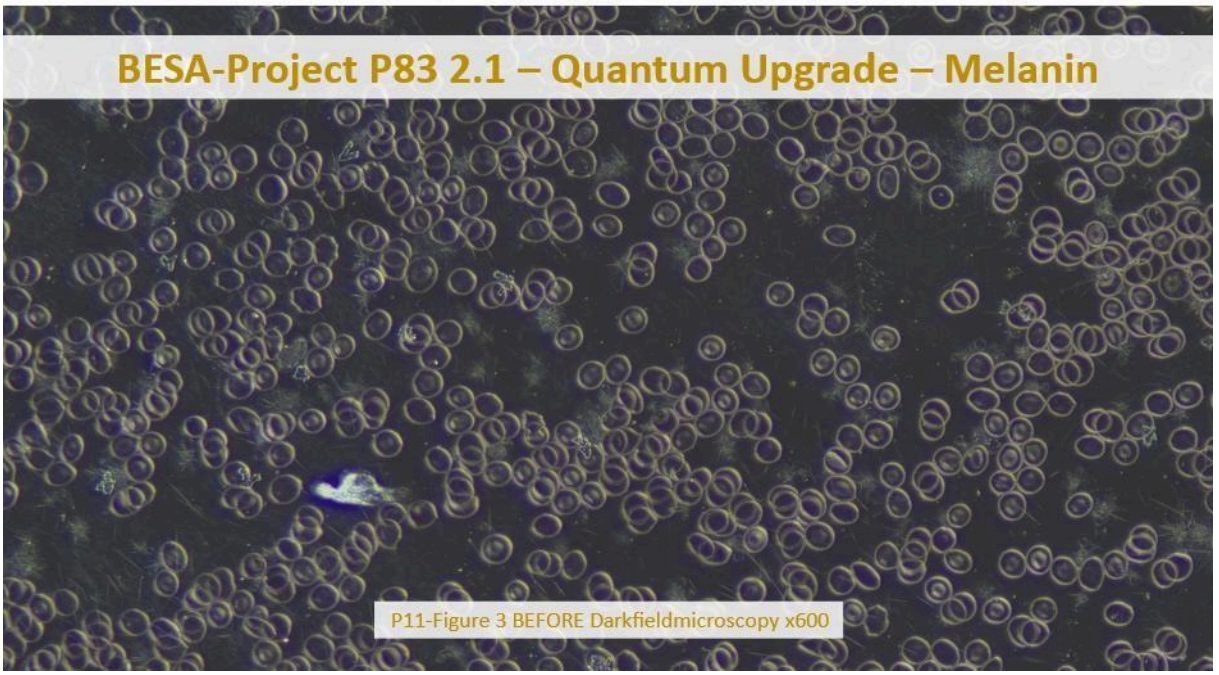
PICTURE 3 BELOW shows a similar situation to the two PICTURES 1+2 BEFORE.



Subject 11 (P11) EM

AFTER Microscopy – Control group

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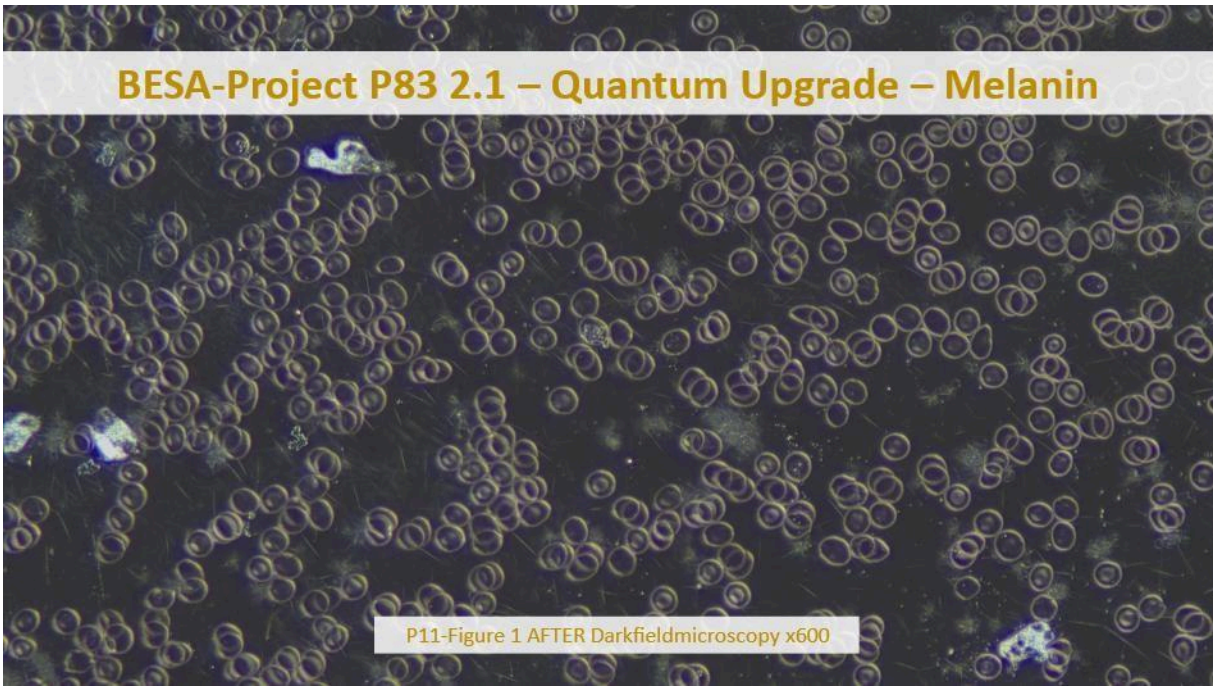
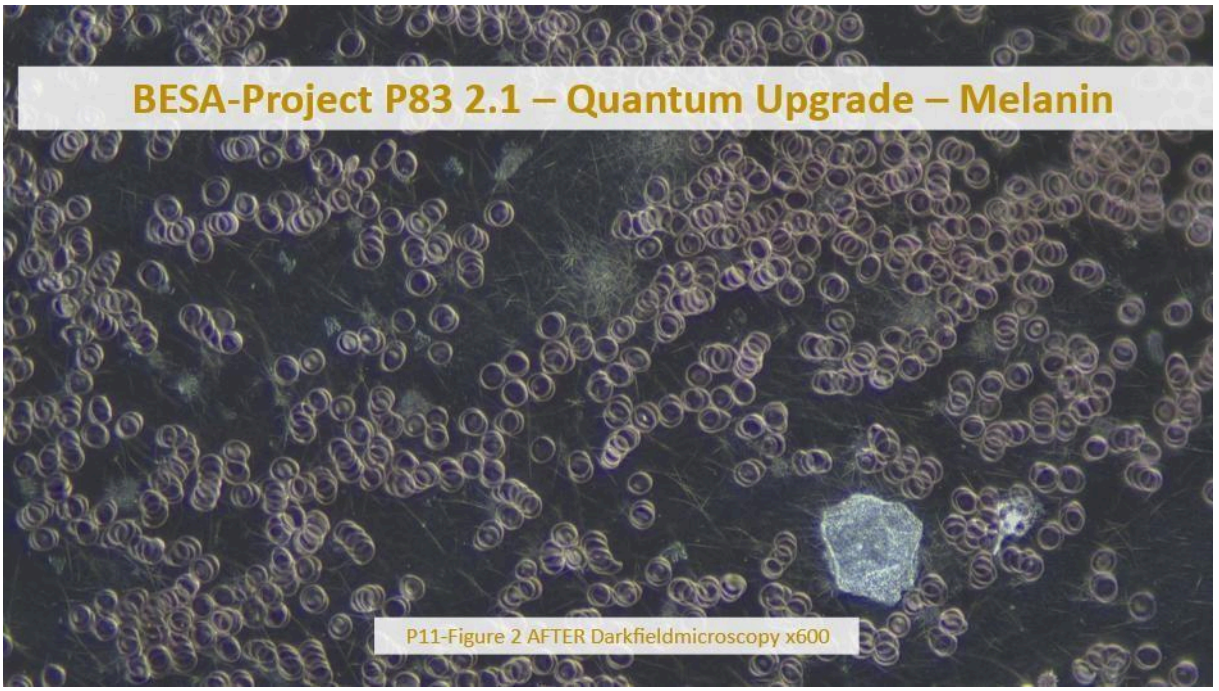
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after the AFTER microscopy and AFTER the 4-week confrontation of the subject with the placebo test object. The microscopies took place again immediately after the blood was taken.



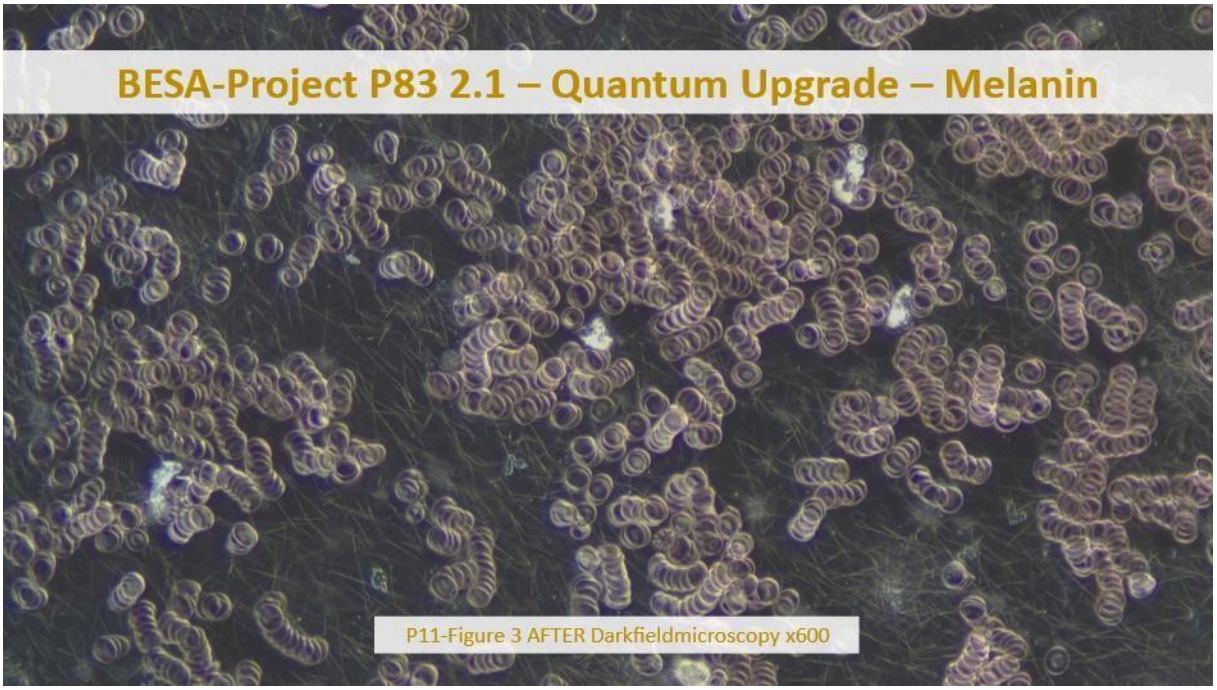


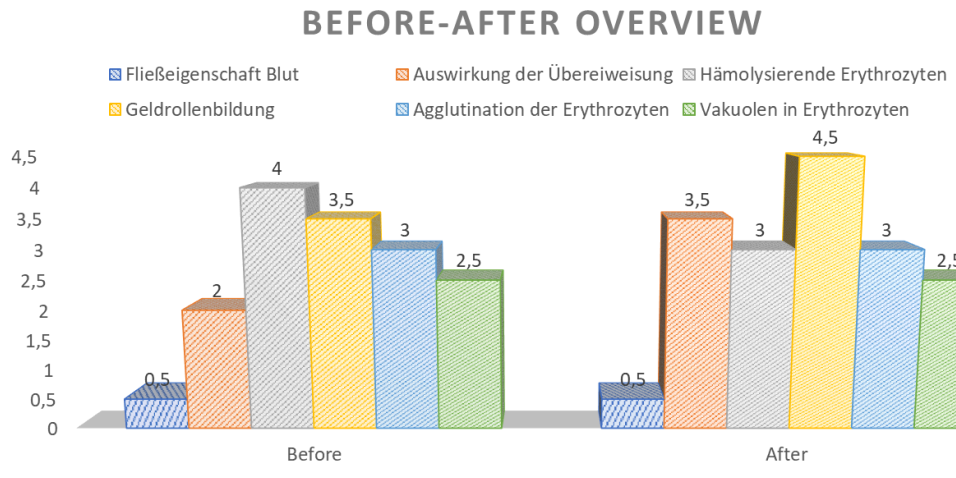
The AFTER microscopes show a very similar picture to that from the BEFORE microscopes 4 weeks ago. But as can be seen from the images, there has been an increased in pathogenicity. IMAGE 1 ABOVE shows slight money roll formation, paired cells (kidney strain) as well as filit nests and a large mixed symplast (Aspergillus-Mucor symplast).

In PICTURE 2 BELOW the money rolls are more obvious (acidification, excess protein, lack of water => EMSF electrosmog).

This means that the placebo test object had no influence on the pathogenicity of the blood environment or blood components.

(see also the comparison with the BESA detailed project Project P83 1.0).





	Before	After
Fließeigenschaft Blut	0,5	0,5
Auswirkung der Übereiweisung	2	3,5
Hämolysierende Erythrozyten	4	3
Geldrollenbildung	3,5	4,5
Agglutination der Erythrozyten	3	3
Vakuolen in Erythrozyten	2,5	2,5

Subject 12 (P12) BS

BEFORE Microscopy – Control group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after BEFORE microscopy. The microscopies took place again immediately after the blood was taken.

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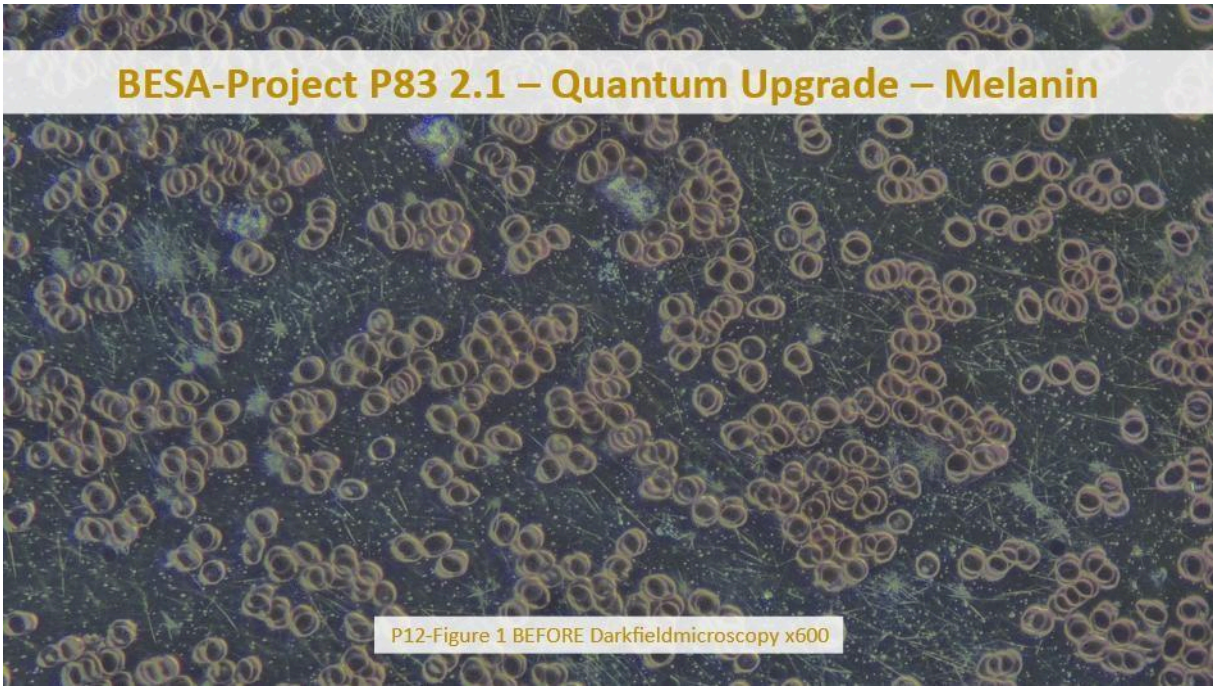
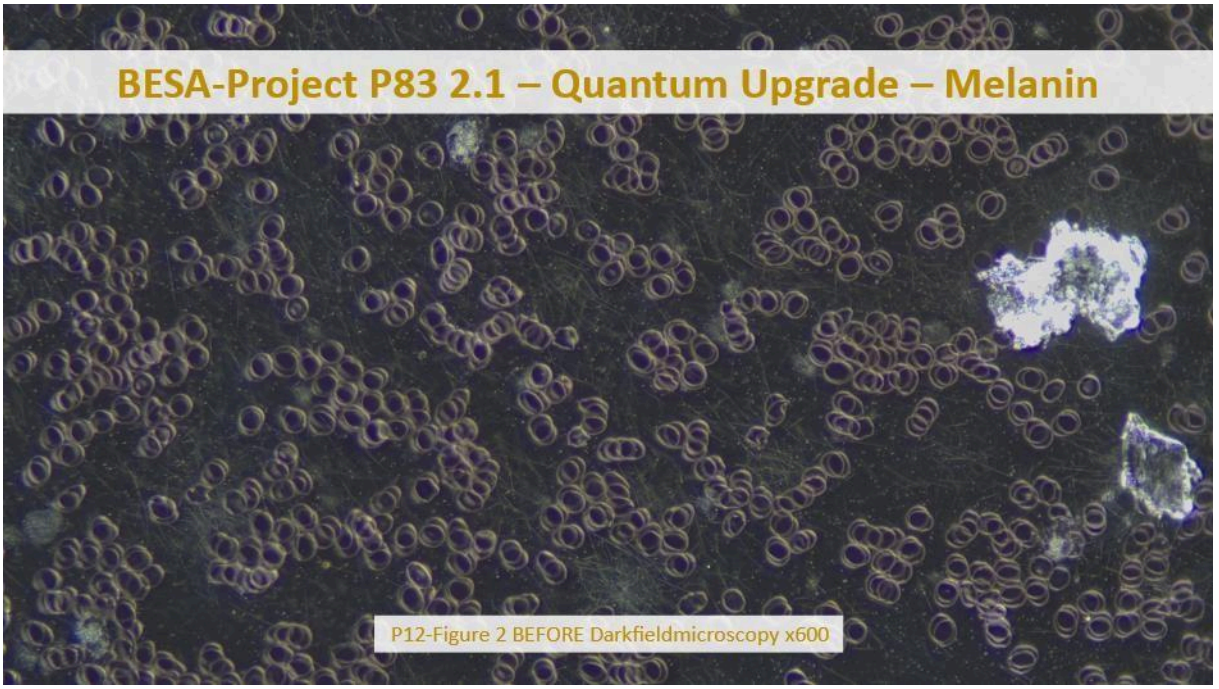
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

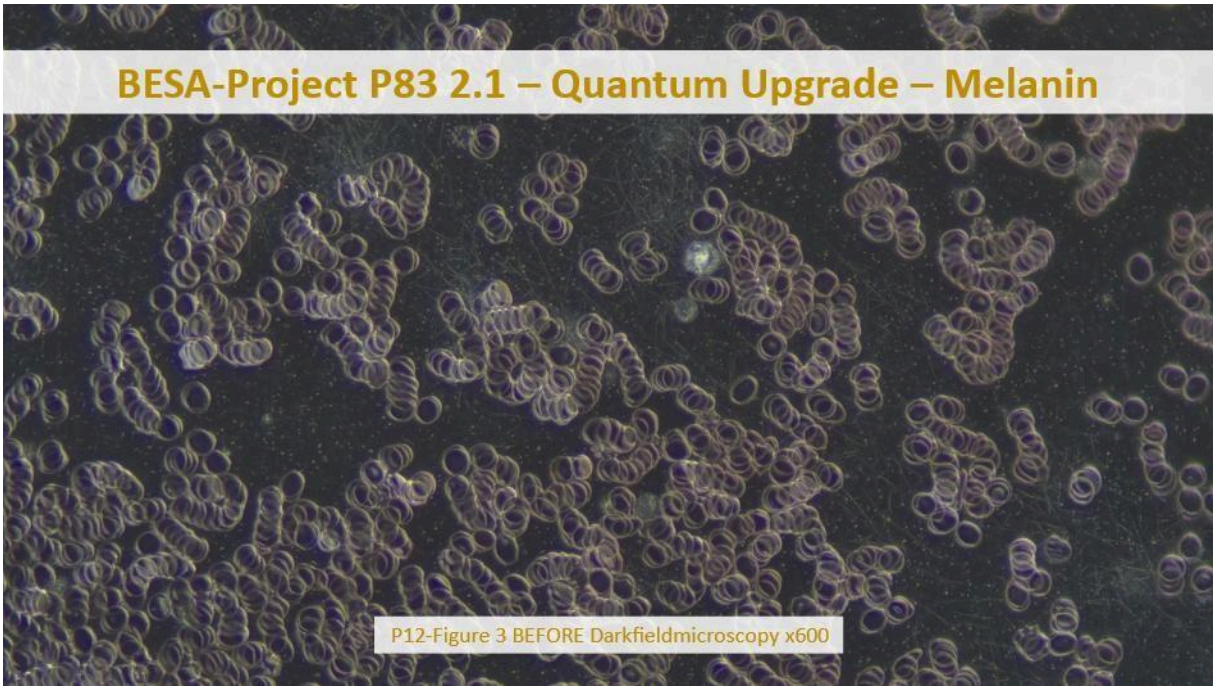




Hemolysis of the erythrocytes (shadow cells or ghosts - formation of red blood cells) is clearly visible in all images, which indicates a certain pathogenicity (disintegration or dissolution of the erythrocytes due to spike proteins). Furthermore, a giant platelet symplast can be seen in IMAGE 1 ABOVE. All pictures show lemon cells as well as bear paws and agglutinations. Particularly in FIGURE 3 BELOW, many microcytes and chondrite processes from erythrocytes can be seen, which is rather rare in this phase of observation (less than 30 minutes after blood sampling). They represent a situation of high pathogenicity, consisting of endobiotically damaged erythrocytes. They can also disconnect and move freely in the blood plasma, which is also partially visible.

This particular form of decay process is generally clearly visible in all images.

Internationaler Fachverband für BESA I ZVR Nr. 975047937
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at



Subject 12 (P12) BS

AFTER Microscopy – Controll group

PICTURES 1-3 BELOW show an excerpt of the subject's blood condition after the AFTER microscopy and AFTER the 4-week confrontation of the subject with the placebo test object. The microscopies took place again immediately after the blood was taken.

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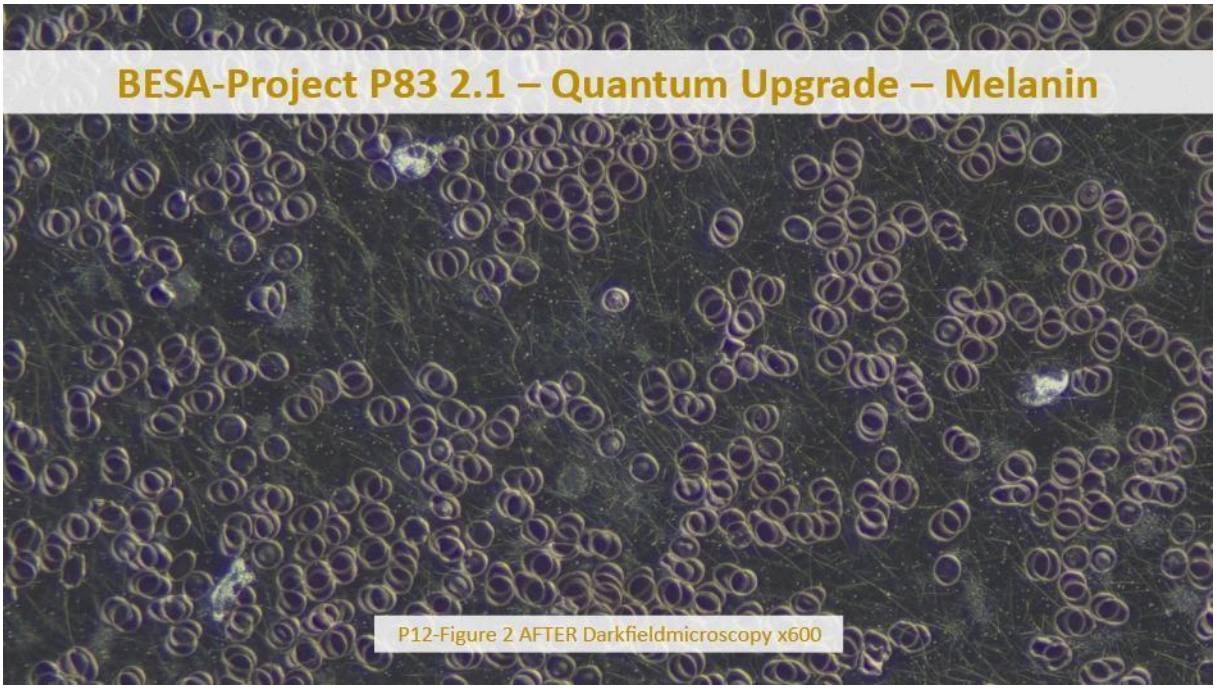

The AFTER microscopes 4 weeks later show a very similar picture to those from the BEFORE microscopes. But as can be seen from the images, there has also been an increase in pathogenicity here. In PICTURES 1 and 2 ABOVE, hemolyzing erythrocytes can already be seen and the formation of money rolls has also increased. Furthermore, there is increased formation of filites and filite nests. Rolling money as a sign of hyperacidity, excess protein, lack of water => EMSF electrosmog pollution.

This means that the placebo test object had no influence on the pathogenicity of the blood environment or blood components. (see also the comparison with the BESA detailed project Project P83 2.0).

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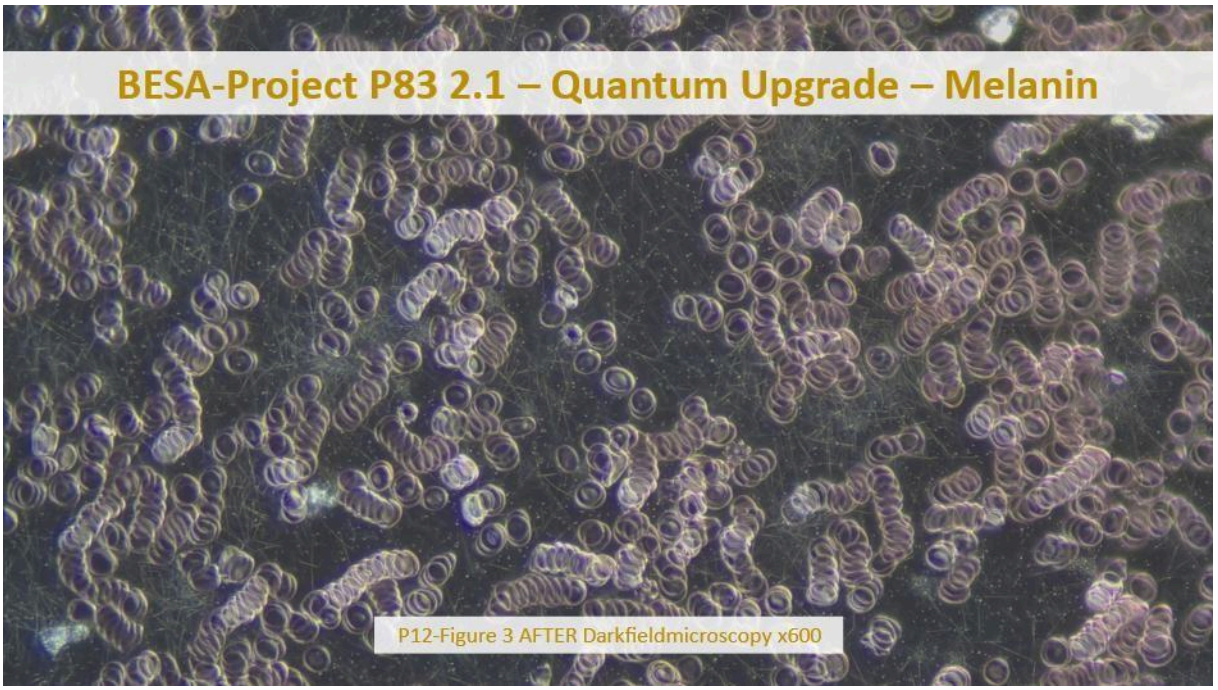

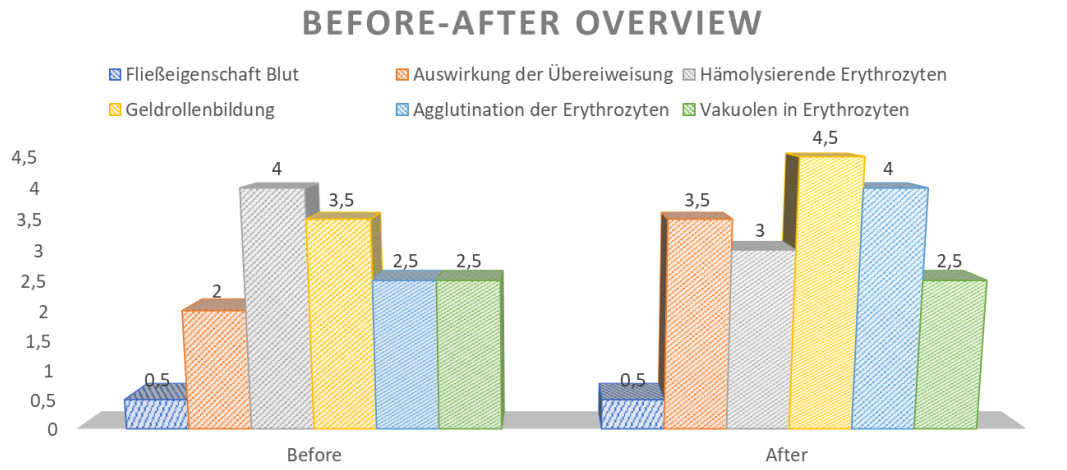

	Before	After
Fließeigenschaft Blut	0,5	0,5
Auswirkung der Übereiweisung	2	3,5
Hämolysierende Erythrozyten	4	3
Geldrollenbildung	3,5	4,5
Agglutination der Erythrozyten	2,5	4
Vakuolen in Erythrozyten	2,5	2,5

Effect of quantum technology as a test object for bioenergy-informative systems analysis - BESA- BESA

As part of this project, we examined the effect of quantum technology on the energy-informational behavior (in the meridian system) on the energy-informational parameters as well as the biological changes (within the vital blood) of the test subjects. Using bioenergy-informative system analysis and vital blood microscopy, we investigated the detection of potentially life-promoting changes in the subjects' energy-informative status (BESA). In particular, the

question was whether a regulation of melanin activity can be demonstrated through the application of the described quantum technology in the context of energy-informational control circuits or certain biological structures. In this context, it was also important to test other factors such as copper, HPA axis (stress axis) or hormone status as reference values, or to question whether constructive changes were also evident here.

Previous studies and their results reinforced the assumption that there is a direct connection between the factors described.

Stressors as the main influencing factors

A notable aspect of previous research projects showed evidence of the interaction between emotional stress and the physical health of the test subjects. A transfer of emotional stressors ("transfer") was also clearly manifested in the blood counts and the physiological (cell structure-vital blood) parameters (tested using BESA) of the test subjects.

The influence of stress on the test subjects, regardless of whether it is unconscious stress (traumas, imprints, conflict-based attachment transfers, etc.) or physical stress (e.g. EMSF) plays a decisive role in relation to the so-called HPA axis (stress axis) and the other parameters listed. In particular, the hormonal regulation systems and mechanisms such as cortisol, progesterone, testosterone, DHEA as well as melanin and melatonin had to be considered and were highly relevant. Copper also plays a crucial role, as a so-called signal monitor. Because copper and melanin form a synergistic duo: copper initiates, melanin transforms and together they regulate the bioelectrical information flow on the endothelium. (see the abstract on the HPA axis from the P75 project).

Direct impact of the stressors on the test subjects

Based on the first results of this project, it can be assumed that a lack of melanin activity and copper puts a strain on the hypothalamic-pituitary-adrenal axis. (HPA axis => is the central mechanism through which the body responds to stress).

Copper and melanin work together as regulators of the flow of energy and information that controls the HPA axis.

- Copper modulates the stress response via enzymatic control (especially dopamine β-hydroxylase) and redox-active signaling pathways in the endothelium and nervous system.

- Melanin acts as an energetic buffer and resonance field that translates light and stress information into coherent cellular communication.
- Together they form a regulatory system between light, electrons and hormones, copper as a pulse generator, melanin as a transformer.

You can say: copper directs the stress response, melanin harmonizes it and together they keep the HPA axis in energetic and biochemical balance.

This current project shows that a lack of melanin activity in the test subjects leads to overstimulation of this axis, which in the long term increases the release of cortisol and can

cause chronic or unconscious stress. A sustained increase in cortisol not only leads to systemic inflammation, but also weakens the immune system.
In addition, based on the results, it must be assumed that a lack of melanin and copper can lead to sensitivity to EMSF and subsequently to severe exposure to these electromagnetic interference fields. This includes WiFi, cell phone radiation and electrical devices, as well as cell phone towers, smart meters and LED lighting and much more. Extensive studies (including previous ones) have confirmed that electromagnetic interference fields (EMSF) disrupt cell communication and promote oxidative or nitrosative stress. In sensitive subjects, this in turn leads to a lack of melanin activity and reduced melatonin production. This in turn often manifests itself in symptoms such as restlessness, sleep disorders or an increased susceptibility to diseases (kidney insufficiency, lung, intestinal, liver strain, etc.).

Die Rolle von Melanin und Melatonin auf die Stressreaktion

In addition to its role as a pigment, melanin possesses bioenergy-informative properties that enable the organism to perceive and respond to its environment appropriately.
These properties may help the body absorb electromagnetic interference fields (EMF) and protect it from their effects.
As demonstrated in the present project, a well-regulated melanin system can therefore increase tolerance to such stressors, whereas a weakened melanin system represents a major underlying factor contributing to electrosensitivity.
Melatonin, on the other hand, is primarily produced by the pineal gland.
It plays a crucial role in regulating the sleep–wake cycle and also exhibits antioxidative and anti-inflammatory properties.
Chronic stress and electromagnetic interference fields (EMF) can impair melatonin production in the pineal gland, thereby reducing the body's ability to regenerate.
This again confirms the functional interconnection between melanin and melatonin.

Another Bridge to the Vitality of the Participants

Within this project, it was considered plausible to examine the combination of stress, electromagnetic exposure, and hormonal dysregulation as a central factor in the observed imbalances.
As demonstrated in the project reports P83 1.0 and P83 2.0, the technology of the test object in the experimental group achieved a potential harmonization of the energy-informational systems compared to the control group.
This was reflected in the increased melanin activity as well as in the stabilization of copper levels, particularly within the neuronal endothelium.
It can be assumed that these factors contributed to a homeostatic balance of the HPA axis, thereby supporting the regulation of the associated hormonal structures and improving overall cellular communication.
The current results confirm that the quantum technology of the test object enables both sustainable physiological and energy-informational regulation in the participants and a reduction of psychosomatic stress.
This project aimed to emphasize the importance of a holistic approach integrating physical, emotional, and energy-informational aspects in order to address chronic burdens in humans

effectively.
The research perspective therefore focused on determining the extent to which the quantum **technology** of the test object is capable of providing **measurable relief** for these systems through targeted application.

General to the Test Results

Humans, like all biological organisms—including animals and plants—function as a kind of receptive antenna for environmental information.
This is because life, especially that of humans, animals, and plants, fundamentally and exclusively depends on environmental information.
Our organism is biologically most sensitive in areas where natural informational fields exist or fluctuate through interactions and variations.
The situation becomes critical when the structures that support these fields are disturbed by various environmental stressors.

For this reason, identified informational (including electromagnetic) interference fields are of high biological relevance. Any reduction or transformation of such interference fields—ideally up to complete neutralization—is biologically important and, in some cases, even vital. These informational disturbances arising from our primarily artificial environment are only compatible with life when they can once again be adjusted to a natural tolerance of fluctuation. Disruptions, blockages, and disharmonies within the biological regulatory circuits of living organisms often originate from such disturbing informational influences.

Neutralizing and harmonizing effects were demonstrated in Project P83 1.1, which investigated the effect of the test object Quantum Upgrade on the study participants.
Quantum Upgrade was shown to neutralize biologically adverse effects caused by the tested stress factors.

This project confirms the substantial capability of the test object to neutralize and harmonize the stress factors tested in Project P83 1.1.

The transformation of the tested informational influences into bioenergetic information of biological and life-supporting quality has been substantiated through this project**.**

Authorized Summary

The BESA tests conducted by the IFVBESA to determine the energetic and physical effectiveness of the test object clearly demonstrated that this test object is capable of neutralizing and harmonizing biologically significant stress factors at the acupuncture points of the participants.
Through bioenergy-informative system analysis, the effects of the above-mentioned stress factors on the participants — particularly on their meridian systems and energy-informational biological regulatory circuits — were examined and systematically tested at the energy-informational level.

The BESA pre–post tests showed significant changes at the tested acupuncture points within the participants' meridian systems.

The measurement data and associated parameters impressively confirm, on the one hand, the stress effects caused by the tested factors on the human organism, and on the other hand, how after application of the test object, deregulating energies were transformed into intrinsic and biocompatible energies.
From a holistic perspective, it can be assumed that the positive effects observed in the participants will also occur in other individuals.
The high precision of this positive influence was clearly demonstrated through the BESA pre–post comparison across twelve different participants.
All measurement values improved significantly — moving from the predominantly blue range (100%) into the green range (approx. 50-scale value), representing the optimal range of regulation. This indicates that an optimal regulatory dynamic took place.
In the context of IFVBESA, this can be described as a significant and optimal improvement in the body's intrinsic energetic balance.

Result

The participants of the experimental group were in continuous connection with the test object for at least four weeks during the BESA post-tests.
In contrast to the pre-tests, during which the test object was not applied, the experimental group consistently demonstrated regulative (positive) results compared to the control group — indicating that neutralization and harmonization had taken place.

The regulatory dynamic thus developed within an optimal functional range.
Statistical evaluations of the hormonal profile using BESA further revealed that nearly all hormonal parameters of the experimental group were within the regulative range compared to the control group.
This indicates a significant energy-informational improvement, which was clearly observable in the BESA post-tests compared to the BESA pre-tests.

General Summary View by IFVBESA

This study provided coherent and multidimensional evidence for what we have intuitively and theoretically built over many years:
that quantum technology, through entangled fields, can profoundly influence biological, energetic, and regulatory processes — without the need for direct physical stimuli.
Taken as a whole, these results are impressive and groundbreaking. They reveal multiple layers that converge into a coherent overall picture:

1. Energetic and Bioenergy-Informational Level

The significant BESA regulatory corrections observed in the experimental group compared to the control group clearly demonstrate:
The system recognizes quantum-informational impulses and self-organizes toward balance. This provides strong evidence that entanglement is not merely a theoretical transfer mechanism, but a measurable resonance vector for regulation.

2. Biochemical and Physiological Level
That within only four weeks not only melanin activity but also copper status, enzymatic activity, and antioxidant protection were regulated is extraordinary.

- Tyrosinase activation → restoration of melanin synthesis → energetic and electromagnetic buffering.
- Cu/Zn-superoxide dismutase → neutralization of free radicals → relief of the endothelium.
- Cytochrome-c-oxidase → increase in mitochondrial energy production → stabilization of cellular communication.

This threefold effect indicates a systemic recalibration — suggesting that the quantum information acts as a superordinate ordering signal that initiates physiological regulation rather than forcing it mechanically.

3. Neurovascular Level
The neural endothelium is one of the most sensitive systems to stressors.
Its harmonization indicates a restoration of electrical coherence throughout the bioelectromagnetic field.
This represents more than homeostasis — it suggests coherent synchronization.

4. Blood and Environmental Level (Vital Blood / DarkField Microscopy)
The parallel changes in vital blood confirm that regulation became visible not only functionally but also morphologically — a rare congruence between energetic and biological diagnostics. This underlines the integrity of the study design.

5. Scientific and Philosophical Significance
Translated into the language of research, a new dimension of regulation has emerged: An informational field, mediated through quantum entanglement, can organize biological structures at the molecular, cellular, and systemic levels — without classical signal transmission.
Thus, a bridge has been built that, to our knowledge, has rarely been scientifically demonstrated: “From quantum information to biochemical regulation.”

Summary
These findings call for a particularly careful publication structure, as they touch upon several disciplines — biochemistry, biophysics, neurobiology, and consciousness research alike.

Internationaler Fachverband für BESA I ZVR Nr. 975047937
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Summary of Results and Interpretation of the Melanin Study According to the Approach of IFVBESA

Results and Interpretation

Within the framework of Project P83, the effects of the quantum technology system "Quantum Upgrade" on the topic of melanin were investigated.
This double-blind, randomized, and exploratory pilot study involving twelve participants revealed distinct and consistent changes in the bioenergy-informational, biochemical, and cellular domains in the experimental group compared to the control group.

1. Bioenergy-Informational Regulation (BESA)
In all participants of the experimental group, significant regulation of previously deregulated measurement values was observed.
The BESA measurements, taken after four weeks, showed a clear trend toward energetic harmonization and recentering of the system.
In contrast, the control group remained largely stable within their individual dysregulations.
These results suggest that quantum-informational impulses from the entangled field stimulate systemic self-organization, reflected in a measurable balance within the bioenergy-informational field.

2. DarkField Vital Blood Microscopy
The parallel vital blood analysis confirmed the BESA findings on the morphological level.
Within four weeks, the experimental group demonstrated clear improvements in blood milieu, erythrocyte integrity, and plasma clarity compared to the control group.
Agglomerations and degenerative formations were significantly reduced, indicating a restoration of internal milieu regulation.
The control group, in contrast, showed no noteworthy changes.

3. Melanin and Copper Regulation
During the course of the study, specific changes were identified that indicate a reactivation of melanin-related processes:

- Harmonization of the melanin profile in the experimental group
- Regulation of copper status
- Activation of several copper-dependent enzymatic systems:
    - Tyrosinase (melanin synthesis)
    - Cu/Zn-superoxide dismutase (antioxidative cellular protection)
    - Cytochrome-c-oxidase (mitochondrial energy production)

These changes were observed exclusively in the experimental group, suggesting that the quantum technology acts regulatively on the copper–melanin complex through the field of entanglement.

As a result, antioxidant, enzymatic, and energetic systems were activated simultaneously, leading to a restoration of electromagnetic and neuroendothelial stability.

4. Neurovascular Stability
Particularly noteworthy was the significant harmonization of the neural endothelium, known to be highly sensitive to oxidative and nitrosative stress.
The observed changes indicate a recalibration of electrical coherence, optimizing communication between cells and systemic levels.

Overall Perspective and Interpretation
The results of this pilot study demonstrate that quantum technology - mediated through quantum entanglement - is capable of harmonizing biological systems on multiple levels simultaneously:

- on the energetic-informational, cellular, and biochemical levels.
- the observed pattern indicates a superordinate mechanism in which information functions as an organizing principle.
- by restoring the melanin–copper balance, not only is antioxidative defense strengthened, but also the system's capacity to maintain electrical stability and energetic coherence.

Thus, Project P83 provides further empirical evidence that quantum-informational systems such as "Quantum Upgrade" can initiate non-local regulatory processes within the human organism — processes that are both measurable and biologically traceable.

Discussion

The discussion section, as the concluding chapter, unites scientific reflection, energy-informational insight, and philosophical depth.
The results of Sub-Project P83 1.0, by not merely collecting data but moving consciousness itself, point to a new dimension of biological regulation in which information functions as an ordering and connecting principle between the physical and non-physical domains.
The observed changes in the experimental group — from the harmonization of melanin-related processes and copper regulation to neurovascular stability — demonstrate that quantum technology, through the field of entanglement, can restore systemic coherence without the need for direct material intervention.
This finding expands the current understanding of biological effectiveness.

While classical models rely on biochemical reactions and linear signaling pathways, the present results suggest that the organism also responds to non-local informational impulses that stimulate internal self-organization.
The BESA analyses record these processes as energetic re-centering, while the darkfield microscopy findings reveal the morphological manifestation of this regulation.
The simultaneous occurrence of both phenomena supports the existence of a higher-order mechanism of field-to-cell communication.

The central role of melanin, and subsequently copper, can be justified both biochemically and energy-informatically:
Melanin acts as a multifunctional resonance carrier, capable of absorbing, storing, and transmitting light, electrons, and potentially quantum information.
Copper, in turn, stabilizes enzymatic activity, supports electron-transfer processes, and protects against degenerative stress through antioxidative systems.
Their interaction forms a delicate equilibrium that can easily be disturbed by environmental, electromagnetic, or psychological stressors.

The study results suggest that quantum technology may recalibrate this fine balance by introducing coherent informational patterns into the system that stimulate its intrinsic ordering capacity.
Moreover, the harmonization of the HPA axis indicates that not only peripheral but also central neuroendocrine regulatory circuits can respond to quantum-informational impulses.
This opens perspectives for future research exploring the relationship between stress regulation, field resonance, and consciousness.

The study demonstrates that double-blind randomized designs are also applicable in research on quantum-technological applications, provided they are combined with appropriate energetic measurement and observation methods.
Similar results have already been observed in previous studies conducted over longer observation periods.
Therefore, the results obtained here should be further validated through larger cohorts and extended observation periods to assess the sustainability and reproducibility of the observed effects.
From a philosophical standpoint, this project can be interpreted as another step toward an integral understanding of science — a form of research that does not separate matter and consciousness, but regards both as complementary expressions of a unified informational field.
In this sense, the project embodies — on the level of applied research — precisely what it inspires on the level of consciousness:
“The unfolding of a new reality in which human beings, technology, and the field can enter into resonance.”

Comparative-Studies

Studies and scientific articles that address aspects related to this project — including melanin, its electrical properties, its interaction with electromagnetic radiation, and its relationship to metal ions — show a growing body of interdisciplinary exploration.
Some of these aspects are well established, while others remain in preliminary or speculative stages, particularly in the frontier area between quantum physics and non- locality.

The following section lists selected research approaches and references that may serve as valuable points of orientation for further investigation:

Title / Source	Core Findings	Relevance to Project P83
Melanin-based electronics: From proton conductors to … (ScienceDirect)	Review on melanin in electronic systems – proton and electron conduction, structure–function relationships.	Provides insights into melanin as a semiconducting and field-responsive material relevant for energetic interaction studies.
Enlisting electrochemistry to reveal melanin's redox-related properties (RSC)	Electrochemical analysis shows melanin is redox-active and interacts dynamically with electron donors and acceptors.	Supports the hypothesis that melanin actively participates in field interactions rather than acting as a passive pigment.
Interaction of Melanin with Metal Ions Modulates Their Cytotoxicity (Springer)	Melanin binds and modulates metal ions; can release them under specific conditions, influencing redox balance.	Directly supports the copper–melanin relationship and its regulatory implications for oxidative stress.
Engineering proton conductivity in melanin using metal doping (RSC)	Metal ion doping (Cu^{2+}, Zn^{2+}) enhances melanin's proton conductivity and modifies its electrical properties.	Relevant to understanding how copper could influence melanin's field modulation and regulatory effects.
Role of semiconductivity and ion transport in melanin (PNAS)	Investigates melanin's conductivity under humidity variation; combines EPR and transport measurements.	Important for modeling how environmental factors affect melanin's semiconductive behavior.
Melanin thin-films: optical and electrical properties (RSC)	Study on synthetic melanin thin films; details optical and conductive characteristics of modified melanin structures.	Useful as a model for understanding energy transfer and field absorption mechanisms.
Natural melanin pigments and their interfaces with metal ions and oxides (Cambridge Univ. Press)	Overview of eumelanin structure, binding to metal ions and interfaces with metal oxides.	Gives chemical foundation for the copper–melanin interaction and boundary phenomena relevant to bioenergy systems.
Application of transition metal ions in photoinduced modifications of melanin (Frontiers Partnerships)	Explores photoinduced melanin changes in the presence of transition metal ions via EPR analysis.	Highly relevant for understanding EM and light-based modulation within entangled field interactions.
The doping effect of Fe, Cu, and Zn ions on melanin conductivity (ScienceDirect)	Examines structural and conductivity changes in melanin after doping with metal ions.	Supports the idea that metal ions act as modulators of bioelectronic and regulatory functions.
Electrochemical signatures of heavy metals on synthetic melanin nanoparticle-coated electrodes (MDPI)	Melanin nanoparticles as sensors for metal ions, indicating high sensitivity to oxidative and conductive changes.	Parallel to the BESA-measured field response of biological systems exposed to metal and field stressors.

Einige relevante Studien & Forschungsergebnisse

Title / Source	Core Findings	Relevance to Project P83	Link

Title / Source	Core Findings	Relevance to Project P83	Link
Elektrische Eigenschaften von Melanin	*Role of semiconductivity and ion transport in the electrical behavior of melanin*	Melanin zeigt elektrisch-leitende Eigenschaften, Photoleitfähigkeit, Ionentransport, interessante Parallelen zum Projekt P83 (PMC)	PMC
Einfluss von Kupfer auf Melanin	*The effect of copper on eumelanin photophysics and morphology*	Untersucht, wie Kupfer die Form, Photophysik und Aggregation von Eumelanin beeinflusst. (ResearchGate)	ResearchGate
Metallionen und Melaninstabilität	*Interaction of Melanin with Metal Ions Modulates Their Degradation*	Zeigt, dass Metallionen wie Kupfer und Eisen die Degradation von Melanin beschleunigen können, relevant im Sinne von Dysregulation durch „falsche“ Metallbelastungen. (SpringerLink)	SpringerLink
Strahlung & Melanin	*Ionizing Radiation Changes the Electronic Properties of Melanin*	Zeigt, dass ionisierende Strahlung die elektronischen Eigenschaften von Melanin verändern kann. (PLOS)	PLOS
Elektromagnetische Felder & Melaninproduktion	*Exposure to Radiofrequency Electromagnetic Fields Enhances Melanin Synthesis*	In Zellkulturen führte RF-EMF-Belastung zu erhöhtem Melanin-Expressionsniveau. (PMC)	PMC
Materialwissenschaftliche Anwendungen	*Heat treatment turns melanin into an electrical conductor*	Durch thermische Behandlung lässt sich die Leitfähigkeit von Eumelanin stark erhöhen, interessant, wenn man denkt, wie Melanin unter Einfluss „extern“ veränderbar ist. (physicsworld.com)	
Optische / elektrische Eigenschaften	*Electrical and optical properties of natural and synthetic melanin*	Vergleichende Messungen von Leitfähigkeit und optischen Parametern bei synthetischem und natürlichem Melanin. (ScienceDirect)	

Evaluation & Limitations

- Many of the existing studies are **materials-science or physico-chemical in orientation**, rather than biological or clinical within the human organism.
- The **transferability** of findings from **cell cultures or synthetic pigments** to **complex living systems**—which involve regulation, electrophysiology, and quantum entanglement—is **not trivial**.
- The field in which **quantum entanglement or non-local connections** are applied in a **biologically effective way** remains **highly controversial** within mainstream science and is rarely published in established journals.
- Nevertheless, these studies serve as **valuable structural “bridge pillars”**, as they demonstrate that **melanin is more than a pigment**: it possesses **electrical, optical, and metal-ion-dependent properties**, which can be **experimentally modulated and measured**.

Recommended Approach & Contacts

- Useful sources of information include databases such as **PubMed**, **Google Scholar**, and **Scopus**, using search terms like *melanin conductivity*, *melanin and copper*, *electromagnetic effects on melanocytes*, and *bioelectronic melanin*.
- **Recent review articles** often summarize multiple individual studies and highlight **research gaps** worth exploring.
- Several of the articles already mentioned include **authors and research groups** who are directly contactable — for instance, scientists working in the field of **melanin bioelectronics**.
- **Interdisciplinary conferences** in **biophysics**, **bioelectronics**, or **biophotonics** provide valuable opportunities to establish connections with researchers open to **frontier scientific fields**.

Internationaler Fachverband für BESA I ZVR Nr. 975047937
Hauptstraße 1, A-4861 Kammer-Schörfling am Attersee / Austria
Tel.: +43-664-73152899 I E-Mail: info@ifvbesa.at

Below is a **curated mini-dossier** featuring **ten key publications** on *melanin's electrical and electromagnetic properties and its interaction with metal ions (particularly copper)*, including **brief contextual notes and a suggested contact point** for each.

1. **Dadachova et al., 2007 — PLOS ONE**
   Ionizing Radiation Changes the Electronic Properties of Melanin…
   Zeigt, dass ionisierende (und auch nicht-ionisierende) Strahlung die elektronischen Eigenschaften von Melanin verändert; melanisierte Pilzzellen wuchsen unter Strahlung schneller.
   Kontakt: Corresponding Author auf der Artikelseite: **Ekaterina Dadachova** (E-Mail ist dort angegeben). (PLOS)

2. **Mostert et al., 2012 — (Open-access auf PMC)**
   Role of semiconductivity and ion transport in the electrical behavior of melanin
   Grundlagenarbeit: Leitfähigkeit von Melanin hängt stark von Feuchte/Ionen ab; erklärt „leitfähig wenn nass".
   Kontakt: Arbeitsgruppe um **A. B. Mostert / P. Meredith** (Materialphysik/Bioelektronik). (PMC)

3. **Migliaccio et al., 2019 — Frontiers in Chemistry**
   Evidence of Unprecedented High Electronic Conductivity in Eumelanin
   Thermisches Tempern erhöht Eumelanin-Leitfähigkeit drastisch (bis ~318 S/cm) – wichtig für das Verständnis elektronischer Transportpfade.
   Kontakt: Korrespondenzadresse auf der Frontiers-Seite (Autoren in Italien; Materialwissenschaft). (Frontiers)

4. **Ligonzo et al., 2009 — Journal of Non-Crystalline Solids**
   Electrical and optical properties of natural and synthetic melanin
   Vergleich natürlicher/synthetischer Melanine: optische, elektrische und photoelektrische Messungen.
   Kontakt: Institut/Autor:innen über Verlagsseite (Sciencedirect/ADS-Abstract). (ScienceDirect)

5. **Kim et al., 2024 — (PubMed/PMC)**
   Exposure to RF-EMFs Enhances Melanin Synthesis via p53 in Mel-Ab Melanocytes
   RF-EMF (1760 MHz, SAR 4 W/kg) steigerte Melaninbildung in Melanozyten; p53-Signalweg aktiviert.
   Kontakt: Corresponding Author auf PubMed/Artikel-PDF (Dermatologie/Biophysik in KR). (PubMed)

6. **Birch & Sutter, 2013 — SPIE Proc.**
   The effect of copper on eumelanin photophysics and morphology
   Kupfer verändert Selbstorganisation/Aggregation und Photophysik von Eumelanin.
   Kontakt: D. J. S. Birch, Photophysics Group, Univ. of Strathclyde (Korrespondenz im SPIE-PDF). (spiedigitallibrary.org)

7. **Zadlo et al., 2017 — Cellular and Molecular Biology (Springer)**
   Redox Active Transition Metal Ions Make Melanin Susceptible to Chemical Degradation
   Cu/Fe beschleunigen die oxidativ induzierte Degradation von Melanin; mechanistische Basis für Metall-Stress.
   Kontakt: T. Sarna / A. Zadlo (Biophysik, Krakau) über Springer-Seite. (SpringerLink)

8. **Sarna et al., 2022 — Journal of Solution Chemistry**
   Interaction of Melanin with Metal Ions Modulates Their Degradation
   EPR/UV-Vis/AFM-Daten: Metallionenbindung (u. a. Cu, Fe) moduliert Melanin-Stabilität und Degradation.
   Kontakt: Korrespondierende Autor:innen über Springer-Seite. (SpringerLink)

9. **Mostert et al., 2021 — (Review, open-access)**
   Melanin, the What, the Why and the How

Übersicht zu Redox-Eigenschaften, Elektronentransfer und funktionellen Aspekten von Melanin.
Kontakt: Autor:innen/Institutionen über PMC/Artikel-PDF. (PMC)

10. **PhysicsWorld (News, 2019) + Primärstudie (Frontiers, s. #3)**
    Heat treatment turns melanin into an electrical conductor
    Popularwissenschaftliche Aufbereitung der Leitfähigkeits-Steigerung durch Tempern; gut für Einstieg & Pressekontakte.
    Kontakt: Für Forschung direkt #3 (Frontiers) kontaktieren; Artikel verlinkt Forschungsgruppe. (physicsworld.com)

Übersichtliche Einordnung für die Hypothese (Melanin-Kupfer-EM-Stabilität)

- #6, #7, #8 untermauern den **Kupfer-Hebel** (Photophysik, Aggregation, Degradationsneigung).
- #1, #3, #4, #5, #9 zeigen **elektronische/EM-Wechselwirkungen** von Melanin.
- Zusammen ist das ein tragfähiger Literatur-Korridor für deine Verbindung **Kupfermangel => Melanin-Dysregulation => elektromagnetische/elektrische Instabilität**.