



NUM 16 - JANUARY 2025

BIOPARHOM

NEWSLETTER



Headlines : Z-MétriX in your pocket, Android version coming soon - 01

Zoom : The non deductive bioimpedance - 02

Tip : The protein - 03

Agenda : 04

Headlines

NEW AT BIOPARHOM !

On behalf of the entire Bioparhom team, we would like to wish you all the best for 2025. May this year bring you new challenges, great success and a great deal of satisfaction in your personal and professional life.

Thank you for your loyalty !

At Bioparhom, innovation is at the heart of our priorities. That's why we're delighted to announce the imminent arrival of our **dedicated practitioner app, available on Android mobile and tablet!**

Features at a glance:

- A **modern, intuitive** interface
- A **choice of 4 color themes** to personalize your experience
- A solution designed to **simplify your practice**

We can't wait to unveil this application that will revolutionize your practice! In the meantime, take a look at the screenshots below;

And **stay tuned to our social networks** so you don't miss a thing!



Adèle

Zoom on...

GET TO THE HEART OF BIOPARHOM TECHNOLOGY : NON-DEDUCTIVE BIOIMPEDANCE

Have you ever heard of bioimpedance? This body composition analysis technique is increasingly used in the health and sports sectors.

But did you know that Bioparhom has developed an even more accurate and reliable technology: **non-deductive bioimpedance?**

Bioimpedance involves sending weak electrical currents at different frequencies through the body to measure tissue resistance. These measurements can be used to estimate the amount of water, fat and lean mass in the body.

What is non-deductive bioimpedance?

The distinctive feature of Bioparhom non-deductive bioimpedance lies in its calculation methods. Whereas deductive methods make estimates from general equations based on average population data, our technology uses over 16 independent models.

This new generation of high-performance impedance meters provides a better match with reality, particularly for patients who do not comply with normo-hydration requirements, such as overweight or underweight patients, or those suffering from kidney or heart disease, for example.

To validate this technology, a double clinical validation, carried out between 2008 and 2010, was used to develop algorithms for measuring hydric parameters (validation vs. Xitron) and tissue parameters (validation vs. DEXA).

These dedicated equations enable body composition data to be measured with less than 3.5% error and are both clinically and scientifically validated.

The benefits of Bioparhom non-deductive bioimpedance

- Unrivalled accuracy: Thanks to our specific models, results are more reliable and personalized.
- Clinical reliability: Our technology is clinically validated and recognized by healthcare professionals.
- Ease of use: Our devices are easy to use and deliver results in seconds.
- Personalized follow-up: The data collected enables precise monitoring of body composition to optimize patient care.

Bioparhom non-deductive bioimpedance is a cutting-edge technology that is revolutionizing body composition analysis.

Offering unrivalled precision and ease of use, it is an indispensable tool for health, nutrition and sports professionals.

Eva



Tip !

IMPEDANCEMETRY: THE KEY TO PERSONALIZED PROTEIN NUTRITION

Proteins are one of the building blocks of our cells and play an essential role in many bodily functions. According to the latest recommendations, optimal protein intake is between **0.8 and 2.2g/kg/day**. But this is a wide range, and tailoring this intake is crucial for optimizing muscle mass while preserving kidney function.

Impedancemetry with Z-Matrix offers a valuable tool for non-invasively assessing total protein content and active cell mass in these patients. These measurements reflect the body's protein intake and utilization, respectively.

Monitoring these indices is therefore essential in three situations in particular: artificial nutrition, nephrology patients and athletes.

When a patient at home is on artificial nutrition, protein indices enable **artificial nutrition to be tailored** to the specific needs of each patient. It is thus possible to adjust the composition of nutritional formulas according to individual needs, optimizing management and limiting the risk of undernutrition.

In patients suffering from **kidney disease**, protein balance is particularly delicate. Excessive intake can overload the kidneys and accelerate their degradation, while deficiency can lead to muscle wasting.

When chronic kidney disease (CKD) reaches stages 4 and 5, its management requires the intervention of a dietician specialising in nephrology.

One of his or her tasks will be to reduce protein intake as much as possible in order to improve quality of life and preserve patients' renal function.



Impedance measurement is also an invaluable tool for dieticians **monitoring athletes**.

It can be used to

- Evaluate the quality of the diet: By analysing protein content, the dietician can check whether intakes are sufficient and whether the quality of the proteins is optimal for the needs of the athlete.
- Prevent excesses: the measurement can detect high-protein diets that can be harmful to health and renal and/or cardiac function.

In conclusion, impedancemetry is an essential tool for accurately assessing individual protein requirements and monitoring the effectiveness of nutritional interventions.

By making it possible to personalise protein intake, this technology helps to **improve health, prevent disease and optimise physical performance**.



Justine

Agenda

JANUARY - FEBRUARY - MARCH 2025

January 2025 :

- 24th : International Women's Day : "Women in Sports"
- 30th & 31st : International Nutrition Symposium on Obesity - Paris

February 2025 :

- 4th : World Cancer Day
- 15th : International Day Against Childhood, Adolescent and Young Adult Cancer

March 2025 :

- 4th : World Obesity Day
- 12th : National registered Dietician Nutritionist Day
- 13th : World Kidney Day
- 21st : CEDE (European Club of Childhood Dietitians) study day: theme hydration
- 22nd : World Water Day

Sandrine

More information about Bioparhom

395 AVENUE DES MASSETTES - 73190 CHALLES LES EAUX
CONTACT@BIOPARHOM.COM - +33(0)9.51.95.08.18

FOR GERMANY : CONTACT.GERMANY@BIOPARHOM.COM
FOR REST OF EU : CECILE.MASCARO@BIOPARHOM.COM

Our website :
www.bioparhom.com

Our social networks :
<https://www.facebook.com/Bioparhom>
<https://www.instagram.com/bioparhom/>
<https://www.linkedin.com/company/bioparhom-sas/>

bioparhom

BIOIMPEDANCE ANALYSIS