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Name of Journal: *World Journal of Hepatology*

Manuscript NO: 58589

Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

**The bioelectrical impedance vector analysis evaluates cellularity and hydration in
cirrhotics**

Fernandes SA *et al.* Bioelectrical impedance vector analysis in cirrhotics

Sabrina Alves Fernandes, Lara Rigon Leonhardt, Daniella Miranda da Silva, Fernanda
Donner Alves, Cláudio Augusto Marroni



The Bioelectrical Impedance Vector Analyses (BIVA) evaluates cel



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Including results for the bioelectrical impedance vector **analysis** biva evaluates cellularity and hydration in cirrhotics.

Do you want results only for The Bioelectrical Impedance Vector Analyses (BIVA) evaluates cellularity and hydration in cirrhotics?

Bioelectrical impedance vector analysis and phase angle in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6458958>

BIVA has been used to **evaluate hydration state** and **cell mass**, providing a graphical method for representing R and Xc corrected for body length based on **analysis of the bivariate distribution of vector impedance** in a healthy population with specific characteristics .

Author: Karina M. Vermeulen, Márcia M. G. D... **Publish Year:** 2019

Accuracy of specific BIVA for the assessment of body ...

<https://www.europepmc.org/articles/PMC3590169> ▼

Mar 06, 2013 · **Bioelectrical impedance vector analysis (BIVA)** is a technique for the **assessment of hydration** and nutritional status, used in the clinical practice. Specific **BIVA** is an **analytical variant**, recently proposed for the Italian elderly population, that adjusts **bioelectrical values** ...

Cited by: 78

Author: Roberto Buffa, Bruno Saragat, Stefano ...

Publish Year: 2013

Nutritional status and body composition by bioelectrical ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5302822>

A variant of **BIA**, **bioelectrical impedance vector analysis (BIVA)** is a stand-alone procedure based on patterns of direct **impedance measurements (impedance vectors)**. **Impedance (Z vector)** is a combination of Resistance (R), which expresses the opposition of intra- and **extracellular** body fluids to flow of an alternating current and Reactance (Xc) which consists in ...

Cited by: 10

Author: Ilaria Cova, Simone Pomati, Laura Magg...

Publish Year: 2017

(BDE) Bioelectrical Impedance Vector Analysis (BIVA) f



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[Bioelectrical phase angle and impedance vector analysis ...](#)

<https://www.sciencedirect.com/science/article/pii/S0261561412001082>

Dec 01, 2012 · **The bioelectrical impedance vector analysis** (BIVA) approach developed by Piccoli et al. 68 uses the plot of the **impedance parameters resistance** (R) and reactance (Xc) normalized per height as a **bivariate vector** in the RXc graph. The normalization for height allows for the length of the **conductor** and thus provides a qualitative measure of soft tissue that does not depend on body size.

Cited by: 437**Author:** Kristina Norman, Nicole Stobäus, Matthias ...**Publish Year:** 2012

[\(PDF\) Bioelectrical impedance vector analysis \(BIVA\) for ...](#)

<https://www.researchgate.net/publication/264941495...>

Alternatively, the **analysis** can be performed using raw data, namely phase angle (PA), or **bioelectrical impedance** vectors, i.e. PA and **vector** length jointly, as in the bioimpedance **vector analysis** ...

[\(PDF\) Bioelectrical impedance vector analysis \(BIVA\) for ...](#)

<https://www.researchgate.net/publication/317400602...>

Purpose The assessment of body **hydration** is a complex process, and no measurement is valid for all situations. **Bioelectrical impedance vector analysis** (BIVA) has emerged as a relatively novel ...

[Nutritional status and body composition by bioelectrical ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5302822>

A variant of BIA, **bioelectrical impedance vector analysis** (BIVA) is a stand-alone procedure based on patterns of direct **impedance measurements** (**impedance vectors**). **Impedance** (**Z vector**) is a combination of Resistance (R), which expresses the opposition of intra- and **extracellular** body fluids to flow of an alternating current and Reactance (Xc) which consists in the capacitive component of ...

Cited by: 10**Author:** Ilaria Cova, Simone Pomati, Laura Maggior...**Publish Year:** 2017



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[PDF] [Bioelectrical impedance analysis in clinical practice: a ...](#)

<https://www.marcellalage.com.br/font/artigos/Curr...>

corroborate its ability to **evaluate cell membrane function**. **Bioelectrical impedance vector analysis** allows a semi-quantitative estimation of body composition from information from **tissue hydration** and soft-tissue mass in a plot. It can be used in healthy individuals or patients, for a population or individual **evaluation of fluid imbalance** or an

(PDF) [Bioelectrical impedance vector analysis \(BIVA\) for ...](#)

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Dec 01, 2012 · **The bioelectrical impedance vector analysis** (BIVA) approach developed by Piccoli et al. 68 uses the plot of **the impedance parameters resistance** (R) and reactance (Xc) normalized per height as a **bivariate vector** in the RXc graph. The normalization for height allows for the length of the **conductor** and thus provides a qualitative measure of soft tissue that does not depend on body size.

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Author: Kristina Norman, Nicole Stobäus, Matthia...

Publish Year: 2012

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Nov 01, 2020 · **Bioelectrical impedance analysis**-derived phase angle (PhA) has been gaining attention in the clinical **evaluation** of nutritional status because it is t...

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