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Basic Study

Fluctuation of zonulin levels in blood versus stability of antibodies

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Abstract

AIM

To evaluate the measurement of zonulin level and antibodies of zonulin and other tight junction proteins in the blood of controls and celiac disease patients.

METHODS

This study was conducted to assess the variability or stability of zonulin levels versus IgA and IgG antibodies against zonulin in blood samples from 18 controls at 0, 6, 24 and

20 hours after blood draw. We determined zonulin level, zonulin antibody

Match Overview

1	Crossref 77 words Datis Kharrazian, Aristo Vojdani. "Correlation between anti bodies to bisphenol A, its target enzyme protein disulfide	2%
2	Internet 71 words crawled on 03-Mar-2017 www.wjgnet.com	1%
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Fluctuation of zonulin levels in blood versus stability of antibodies

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28 Apr 2009 ... A comparison of antibody testing, permeability testing, and zonulin levels ... (TTG) antibodies, elevated zonulin levels, and increased intestinal ...

[Fluctuation of virus antibody levels in healthy adults. - NCBI](#)

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In order to determine fluctuations in virus antibody levels, blood specimens were collected weekly from 13 healthy adults during a nine-week period and tested ...

[Fluctuation of anti-Ro/SS-A antibody levels in patients with systemic ...](#)

<https://www.ncbi.nlm.nih.gov/pubmed/10084034>

Fluctuation of anti-Ro/SS-A antibody levels in patients with systemic lupus ... the titers of anti-Ro/SS-A (Ro) antibodies fluctuate during the course of SLE and Sjögren's ... The stable antibody profile in both SLE and SS patients supports the ...

[\[PDF\] The Role of Gluten in Celiac Disease and Type 1 Diabetes - MDPI](#)

www.mdpi.com/2072-6643/7/9/5329/pdf

26 Aug 2015 ... antibody levels are measured instead of traditional markers. Recently, IgG anti-deamidated gliadin has emerged as an alternative test, due to its better sensitivity and specificity ... This interaction triggers the release of zonulin leading ... correlation between T1D onset and a lower diversity and stability of the ...

[\[PDF\] Natural history of celiac disease-associated antibodies and ... - Doria](#)

www.doria.fi/bitstream/handle/10024/.../AnnalesD936Simell.pdf

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[Seroreactive marker for inflammatory bowel disease and ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4075657/)

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6 Dec 2013 ... We compared ASCA **levels** to **antibodies** against gluten, casein, EBV, HSV-1, ... its association with **antibodies** to food-derived proteins and self-reported GI **symptoms** ... however, given the **fluctuating** nature of mood cycles, the anti-inflammatory $p \leq 0.08$, mean \pm SEM = 1.59 ± 0.28 for GI-positive ($n=84$) vs.

[Fluctuations in levels of antiphospholipid antibodies and increased ...](https://www.ncbi.nlm.nih.gov/pubmed/11898913)

<https://www.ncbi.nlm.nih.gov/pubmed/11898913>

No particular pattern of **antibody** positivity, or **fluctuation** in aPL **level**, was ... **levels** of TAT (median 8.6; interquartile **range** (IQR) 6.5-20.8) between weeks 20 and ...

[Fluctuation of virus antibody levels in healthy adults. - NCBI](https://www.ncbi.nlm.nih.gov/pubmed/2848705)

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In order to determine **fluctuations** in virus **antibody levels**, **blood** specimens were collected weekly from 13 healthy adults during a nine-week period and tested ...

[\[Influence of storage conditions on results of antibody level assay in ...](https://www.ncbi.nlm.nih.gov/pubmed/22184913)

<https://www.ncbi.nlm.nih.gov/pubmed/22184913>

[Influence of storage conditions on results of **antibody level** assay in human serum ... Anti EBV IgG stored at freezing conditions were much **stable** than stored at 4 ... **Blood** Preservation/methods*; Freezing*; Humans; Immunoglobulin G/ **blood*** ...

[\[PDF\] The Role of Gluten in Celiac Disease and Type 1 Diabetes - MDPI](http://www.mdpi.com/2072-6643/7/9/5329/pdf)

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26 Aug 2015 ... **antibody levels** are measured instead of traditional markers. ... strategies for CD, such as genetically modified gluten, inhibitors of **zonulin**—the regulator of intestinal ... in vitro with gliadin express a vast **range** of pro-inflammatory correlation between T1D onset and a lower diversity and **stability** of the ...

[Graves' Hyperthyroidism Remission with Iodine Case Report by ...](https://www.linkedin.com/feed/update/urn:li:activity:6214041717212023067620)

<https://www.linkedin.com/feed/update/urn:li:activity:6214041717212023067620> graves' hyperthyroidism

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No particular pattern of antibody positivity, or fluctuation in aPL level, was ... levels of TAT (median 8.6; interquartile range (IQR) 6.5-20.8) between weeks 20 and ...

[Stability of cytomegalovirus antibodies in plasma during prolonged ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC170095/)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC170095/>

We examined the stability of CMV antibodies in plasma from platelets and ... For whole-blood units, initial testing of donor serum and plasma obtained from ...

[Stability Test Results | Cell Signaling Technology](https://www.cellsignal.com/.../stability-test.../stability-test-results/)

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As a new antibody is developed, Cell Signaling Technology scientists test the antibody's stability and activity.

[Zonulin Regulates Intestinal Permeability and Facilitates Enteric ...](https://www.nature.com/articles/srep29142)

<https://www.nature.com/articles/srep29142>

29 Jun 2016 ... How intestinal bacteria go into blood is not known. ... The plasma zonulin levels were significantly higher in CAD patients. ... CAD patients ($n = 126$) versus non- CAD ($n = 80$) subjects (7.3 ± 1.8 vs 4.0 ± 1.6 ng/ml, $P = 0.009$) (Table 1). ... with anti-zonulin antibodies (red), nucleus was stained by DAPI (blue).