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Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 63381**Manuscript Type:** ORIGINAL ARTICLE*Observational Study*

Fluorescent AGE levels in ELSA-Brasil study: a potential plasmatic biomarker for risk stratification of NAFLD-associated steatosis

AGE levels and risk stratification of NAFLD

Abstract**BACKGROUND**

Liver diseases are associated with the excess formation of advanced glycation end-products (AGEs), which induce tissue inflammation and oxidative damage. However, the trend of oxidative marker levels according to the steatosis grade in NAFLD is unclear.

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Association of leukocyte telomere length with non ...

<https://www.researchgate.net/publication/337803103...>

The risk factors for abnormal LTs were non-alcoholic fatty liver disease (NAFLD) alone, which accounted for 11.61%, metabolic syndrome alone for 25%, ...

Diagnosis of fatty liver disease: Is biopsy necessary ...

<https://www.researchgate.net/publication/7475580...>

Results In this study, the mean age of fatty liver in males was found to be 44.3 years and in females was found to be 51.9 years. 22.9% of patients with NAFLD had increased liver size ...

Serum acid sphingomyelinase is upregulated in chronic ...

<https://www.researchgate.net/publication/261919913...>

However, in a study of healthy volunteers, patients with non-alcoholic fatty liver disease (NAFLD), and patients with chronic hepatitis C infection, variation in S1P was not observed, but there ...

Serum levels of advanced glycation end-products (AGEs) and ...

<https://www.sciencedirect.com/science/article/pii/S0026049518300313>

Jun 01, 2018 · Background. Non-alcoholic fatty liver disease (NAFLD) is a serious health problem affecting ~25% of the global population. While NAFLD pathogenesis is still unclear, multiple NAFLD parameters, including reduced insulin sensitivity, impaired glucose metabolism and increased oxidative stress are hypothesised to foster the formation of advanced glycation end-products (AGEs).

Contributions of hyperhomocysteinemia to atherosclerosis ...

<https://www.researchgate.net/publication/24434297...>

Results: The homocysteine level (11.56 vs. 8.05 nmol/L) and the proportion of non-alcoholic fatty liver disease (60.7% vs. 19.7%) were significantly higher in men than in women.

The Relationship Between Arterial Stiffness and ...

<https://www.researchgate.net/publication/51487392...>

Non-alcoholic fatty liver disease (NAFLD) is highly prevalent in patients with diabetes mellitus and increasing evidence suggests that patients with type 2 diabetes are at a particularly high risk ...

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Jun 01, 2018 · Background. Non-alcoholic **fatty liver** disease (NAFLD) is a serious health problem affecting ~25% of the global population. While NAFLD pathogenesis is still unclear, multiple NAFLD parameters, including reduced insulin sensitivity, impaired glucose metabolism and increased oxidative stress are hypothesised to foster the formation of **advanced glycation end-products** (AGEs).

Cited by: 19

Author: Susana A. Palma-Duran, Meropi D. Kontogi...

Publish Year: 2018

Receptor for advanced glycation endproducts (RAGE) and ...

<https://www.researchgate.net/publication/11433371...>

The receptor of **advanced glycation end** products (RAGE) is found to play an important role in the development of CVD [4], and the soluble RAGE (sRAGE) may to some extent reflect RAGE activity, thus ...

Characterization of vascular complications in experimental ...

<https://www.researchgate.net/publication/264092716...>

Aim of this **study** was to investigate whether **advanced glycation end-products** (AGEs) accumulate in skeletal myofibers of two different animal models of diabetes and whether this accumulation could ...

s-nitroso-n-acetylcysteine attenuates liver: Topics by ...

<https://www.science.gov/topicpages/s/s-nitroso-n...> ▼

Jan 01, 2018 · The aim of this **study** was to evaluate the relationship between controlled attenuation parameter (CAP) and hepatic **steatosis**, as assessed by ultrasound (US) in patients with alcoholic **liver** disease (ALD) or non-alcoholic **fatty liver** disease (NAFLD).

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Impact of advanced glycation end products (AGEs) signaling ...

<https://www.sciencedirect.com/science/article/pii/S0925443919300067>

Mar 01, 2019 · In a cohort of patients with non-alcoholic **fatty liver disease**, ... and integrate them in **risk stratification** of patients as well as in treatment decisions. ... iRAGE as a novel carboxymethylated peptide that prevents **advanced glycation end product**-induced apoptosis and endoplasmic reticulum stress in vascular smooth muscle cells.

Cited by: 15

Author: Marinos Kosmopoulos, Dimitrios Drekolias,...

Publish Year: 2019

177 - Gene ResultAGER advanced glycosylation end-product ...

<https://www.ncbi.nlm.nih.gov/gene/177>

Apr 18, 2021 · The **advanced glycosylation end product** (AGE) receptor encoded by this gene is a member of the immunoglobulin superfamily of cell surface receptors. It is a multiligand receptor, and besides AGE, interacts with other molecules implicated in homeostasis, development, and inflammation, and certain diseases, such as diabetes and Alzheimer's **disease**.

High levels of soluble receptor for advanced glycation end ...

<https://www.researchgate.net/publication/228044484...>

Risk of cancer especially of colon, breast, and pancreas is high in diabetic and obese patients, with **potential** involvement of augmented expression of RAGE (receptor for **advanced glycation end** ...

Plasma Advanced Glycation End Products Are Associated With ...

<https://www.researchgate.net/publication/262537467...>

Objective: The goal of this **study** was to determine whether plasma levels of **advanced glycation end** products (AGE) and oxidation products (OP) predict the incidence of cardiovascular **disease** (CVD ...

Elevation of soluble form of receptor for advanced ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/dmrr.690>

Louise J. N. Jensen, Allan Flyvbjerg, Mette Bjerre, Soluble Receptor for **Advanced Glycation End Product**: A **Biomarker** for Acute Coronary Syndrome, BioMed Research International, 10.1155/2015/815942, 2015, (1 ...

Cited by: 179

Author: Kazuo Nakamura, Sho-ichi Yamagishi, Hisa...

Publish Year: 2007

Role of Innate Immune Signaling in Non-Alcoholic Fatty ...

<https://www.sciencedirect.com/science/article/pii/S1043276018301450>

Oct 01, 2018 · Non-alcoholic **fatty liver disease** (NAFLD) has become the most epidemic **liver disease**

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