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Glutathione-S-transferases genes - promising predictors of hepatic

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The roles of GSTM1 and GSTT1 null genotypes and other ...

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Glutathione S-transferases (GST) play a crucial protective role in the detoxifying mechanisms of drugs. Several studies have investigated the **genetic** null variants of GSTM1 and GSTT1 as possible risk factors for ATD-induced liver injury; however, those findings are inconsistent.

Cited by: 20 Author: T. P. Monteiro, K. B. El-Jaick, A. L. Jeovanio...

Publish Year: 2012

2944 - Gene ResultGSTM1 glutathione S-transferase mu 1 ...

<https://www.ncbi.nlm.nih.gov/gene/2944>

Findings indicate that **glutathione S-transferases** GSTM1, GSTT1 and GSTP1 null **genotypes** might serve as potential **genetic** biomarkers of leukemia in certain ethnicities [Meta-Analysis]. The GSTM1 null **genotype** is significantly associated with poor overall survival compared with the wild-type GSTM1 **genotype** among bladder cancer patients.

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Glutathione S Transferases Polymorphisms Are Independent ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4803192>

Mar 22, 2016 · Introduction. Systemic lupus erythematosus (SLE) is an autoimmune **disease** that particularly affects young women with a prevalence of 50-150/100,000 in Caucasians [1,2].Renal involvement is frequent, from 30–74%, depending on the study and the definition of lupus nephritis (LN) and strongly impact prognosis [3,4,5].Clinical trials have shown that intravenous (IV) CYC, an ...

Cited by: 11

Author: Alexandra Audemard-Verger, Nicolas Mar...

Publish Year: 2016

Prediction of Progression to Cirrhosis by a Glutathione S ...

<https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/486682> ▾

Sep 12, 2005 · **Glutathione S-transferases** are a family of sulfur-containing enzymes (GSTA, GSTM, GSTT, and GSTP) that inactivate reactive oxygen species and many toxic and carcinogenic xenobiotics through conjugation with glutathione. 13 The isoenzyme **GSTP1** is expressed in the liver, and its **gene** reveals a functional polymorphism leading to an amino acid substitution (codon 105 Ile→Val) that results in a markedly decreased capability of **GSTP1** ...

Cited by: 32

Author: Felix Stickel, Christoph H. Österreicher, C...

Publish Year: 2005

Name of Journal: *World Journal of Hepatology*

Manuscript NO: 65897

Manuscript Type: REVIEW

Glutathione-S-transferases genes-promising predictors of hepatic dysfunction

Vasyl Prisyazhnyuk, Larysa Sydorчук, Ruslan Sydorчук, Iryna Prisyazhniuk,
Kateryna Bobkovich, Inna Buzdugan, Valentina Dzuryak, Petro Prisyazhnyuk

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Author: Alexandra Audemard-Verger, Nicolas Mar...

Publish Year: 2016

Human Alpha Class Glutathione S-Transferases: Genetic ...

<https://www.sciencedirect.com/science/article/pii/S0076687905010025>

Jan 01, 2005 · The human alpha class glutathione S-transferases (GSTs) consist of 5 genes, hGSTA1–hGSTA5, and 7 pseudogenes on chromosome 6p12.1–6p12.2. hGSTA1–hGSTA4 have been well...

Cited by: 197

Author: Brian F. Coles, Fred F. Kadlubar

Publish Year: 2005

PEOPLE ALSO ASK

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How is glutathione S-transferase 1 inactivated in prostate cancer?



How is glutathione S-transferase related to low birth weight?



How are glutathione S-transferase Mu 1 polymorphisms linked to bladder cancer?



Feedback

Are Polymorphisms in Genes Relevant to Drug Disposition ...

<https://pubmed.ncbi.nlm.nih.gov/28028769>

In the case of genes relevant to drug metabolism, polymorphisms in cytochromes P450, UDP-glucuronosyltransferases, N-acetyltransferases and glutathione S-transferases as risk factors for DILI...

2944 - Gene ResultGSTM1 glutathione S-transferase mu 1 ...

<https://www.ncbi.nlm.nih.gov/gene/2944>