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Basic Study

Dynamic alteration in the gut microbiota and metabolome during the development of methionine-choline-deficient diet-induced non-alcoholic steatohepatitis

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Abstract:

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作者：E Marcolin - 2011 - 被引用次数：25 - 相关文章

Methionine- and choline-deficient diet induces hepatic changes characteristic of non-alcoholic steatohepatitis. Marcolin E(1), Forgiarini LF, Tieppo J, ... So, the use of experimental models for non-alcoholic steatohepatitis induction and the study of its routes of development have been studied. OBJECTIVES: This study was ...

缺少字词： ~~dynamic~~ ~~gut~~ ~~microbiota~~ ~~metabolome~~

Non-alcoholic fatty liver and the gut microbiota - NCBI - NIH

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5004228/ ▾ 翻译此页

作者：S Bashiardes - 2016 - 被引用次数：33 - 相关文章

2016年6月14日 - To mechanistically understand the association between gut permeability and NAFLD development, clinical data were correlated with observations made in mice fed with methionine-choline deficient diet (MCDD) to induce NAFLD. Interestingly, in the MCDD model, liver damage was found to precede ...

Microbiota Modulation With Synbiotic Decreases Liver Fibrosis in a ...

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作者：H Cortez-Pinto - 2016 - 被引用次数：3 - 相关文章

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Non-alcoholic fatty liver and the gut microbiota - NCBI - NIH

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作者：S Bashiardes - 2016 - 被引用次数：42 - 相关文章

2016年6月14日 - Suggested microbiome-associated mechanisms contributing to NAFLD and NASH include dysbiosis-induced deregulation of the gut endothelial barrier ... Dietary models include high-fat diet (HFD), methionine-choline deficient diet (MCDD), and high-fructose diet, all leading to NAFLD development and ...

Gut Microbiota and Nonalcoholic Fatty Liver Disease: Insights on ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4813164/ ▾ 翻译此页

作者：X He - 2016 - 被引用次数：22 - 相关文章

2016年3月15日 - They found that the combination of bacteria and PEMT gene polymorphism information provided good prediction towards low-choline diet- induced fatty liver formation [44]. This study highlights the complicated impact on fatty liver development by intricate interactions between host genetics, gut microbiota ...

[PDF] Study of the Serum Metabolomic Profile in Nonalcoholic Fatty ... - MD..

www.mdpi.com/2218-1989/8/1/17/pdf ▾ 翻译此页

作者：S Gitto - 2018

2018年2月24日 - steatohepatitis. Metabolomics can help to analyze the metabolic alterations that play a main role in the progression of nonalcoholic steatohepatitis. Lipid, glucose ... biomarker detection within a dynamic field. .... Li et al. [22] used a methionine and choline deficient (MCD) diet to describe

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Non-alcoholic fatty liver and the gut microbiota - NCBI - NIH

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作者：S Bashiardes - 2016 - 被引用次数：42 - 相关文章

2016年6月14日 - Non-alcoholic fatty liver (NAFLD) is a common, multi-factorial, and poorly ... diet (HFD), methionine-choline deficient diet (MCDD), and high-fructose diet, ... A number of studies focused on microbiota alterations in NASH development. ... These include microbiome-induced regulation of gut barrier and ...

Study of the Serum Metabolomic Profile in Nonalcoholic Fatty ... - MDPI

www.mdpi.com:8080/2218-1989/8/1/17/htm ▾ 翻译此页

2018年2月24日 - Metabolomics can help to analyze the metabolic alterations that play a ... Nonalcoholic fatty liver disease (NAFLD) represents the most ... powerful technology for biomarker detection within a dynamic field. .... [22] used a methionine and choline deficient (MCD) diet to describe ..... Gut 2006, 55, 1650–1660.

The Pathogenesis of Nonalcoholic Fatty Liver Disease: Interplay ...

https://www.hindawi.com/journals/grp/2016/2862173/ ▾ 翻译此页

作者：J Yu - 2016 - 被引用次数：27 - 相关文章

2016年4月14日 - In recent years, gut microbiota has gained much attention, and ... involved in the development of NAFLD, such as diet, dysbiosis, gut-liver axis, ... while ROS-induced expression of Fas-ligand on hepatocytes may induce fratricidal cell death. .... When fed with a methionine and choline-deficient diet (MCDD), ...

Metabolomics

circgenetics.ahajournals.org/content/circcvg/8/1/187.full.pdf - 翻译此页

作者：JL Griffin - 2015 - 被引用次数：42 - 相关文章

meta-(hydroxyphenyl)-propionic acid arose from diet-induced alterations ... has on host metabolism was examined by Wikoff et al,21 who ... of choline by the gut microbiome.30–33 Dietary sources of cho- ... conversion of homocysteine to methionine (Figure). ... to developing nonalcoholic fatty liver disease, determining that.

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