

Проект на тему: Больные гепатитом на аппарате гемодиализа

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Группа: 37-01

Факультет : общая медицина

Преподаватель: Тё Н.В.

Проблема

Изучить воздействие протеина хемоаттрактанта Моноцита 1 (MCP-1) и его вовлеченность в патогенез почечных заболеваний, диабета и клиренса вируса гепатита В (HBV).

По PICO

- **P** – больные на гемодиализе
- **I** – изучение реактивности к прививке от гепатита В и реакции МСР₁
- **C** – 3 группы пациентов, которым ввели вакцину:
 - 1- контрольная группа, в количестве 437 человека;
 - 2- группа, которой ввели вакцину, в количестве 654 человека, из которых 222 были больны диабетом;
- **O** - Не было никаких существенных различий в распределении МСР₁ между исследовательскими группами и контрольными группами, независимо от возникновения диабета и реактивности к прививке от гепатита В

Вопрос

- Оценка распределения MСР1-2518 A/G (rs1024611) у больных на гемодиализе (HD) относительно их реактивности к прививке от гепатита В

Заглавная страница PubMed

The screenshot shows the PubMed homepage in a web browser. The browser's address bar displays `www.ncbi.nlm.nih.gov/pubmed`. The page features a search bar with a dropdown menu set to 'PubMed' and a 'Search' button. Below the search bar, there is a large banner image of a bookshelf with a tablet in front of it. The main content area is divided into three columns. The left column, titled 'Using PubMed', contains links to 'PubMed Quick Start Guide', 'Full Text Articles', 'PubMed FAQs', 'PubMed Tutorials', and 'New and Noteworthy'. The middle column, titled 'PubMed Tools', contains links to 'PubMed Mobile', 'Single Citation Matcher', 'Batch Citation Matcher', 'Clinical Queries', and 'Topic-Specific Queries'. The right column, titled 'More Resources', contains links to 'MeSH Database', 'Journals in NCBI Databases', 'Clinical Trials', 'E-Utilities (API)', and 'LinkOut'. Below these columns, there are three sections: 'Latest Literature' with a list of new articles from highly accessed journals (Blood, Cell, Circulation), 'Trending Articles' with a list of recent increases in activity (Single-cell RNA-seq, Blood, Tumor and Microenvironment Evolution), and 'PubMed Commons' with featured comments (Assaying apicomplexan actin polymerization).

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- Blood (1)
- Cell (7)
- Circulation (3)

Trending Articles

PubMed records with recent increases in activity

- Single-cell RNA-seq reveals a distinct transcriptome signature of aneuploid hematopoietic cells. Blood. 2017.
- Tumor and Microenvironment Evolution during Immunotherapy

PubMed Commons

Featured comments

- Assaying apicomplexan actin polymerization: Author M Meissner highlights new report addressing point of discussion. bit.ly/2hnGmAp Oct 17

Ключевые слова

- Hemodialysis, hepatitis
- Гемодиализ, гепатит

Поиск по ключевым словам

Search results for "hemodialysis hepatitis" on PubMed.

Format: Summary Sort by: Most Recent Per page: 20

Search results

Items: 1 to 20 of 4951

1. [Glecaprevir and Pibrentasvir in Patients with HCV and Severe Renal Impairment](#)
Gane E, Lawitz E, Pugatch D, Papatheodoridis G, Bräu N, Brown A, Pol S, Leroy V, Persico M, Moreno C, Colombo M, Yoshida EM, Nelson DR, Collins C, Lei Y, Kosloski M, Mensa FJ. N Engl J Med. 2017 Oct 12;377(15):1448-1455. doi: 10.1056/NEJMoa1704053. PMID: 29020583 [Similar articles](#)

2. [A Case of Left Renal Vein Ligation in a Patient with Solitary Left Kidney Undergoing Liver Transplantation to Control Splenorenal Shunt and Improve Portal Venous Flow](#)
Martino RB, Júnior ER, Manuel V, Rocha-Santos V, D'Albuquerque LAC, Andraus W. Am J Case Rep. 2017 Oct 11;18:1086-1089. PMID: 29018183 [Similar articles](#)

3. [Successful treatment with tenofovir alafenamide of a HIV/hepatitis B virus coinfecting patient with HIV and hepatitis B virus drug resistance, end-stage renal disease on haemodialysis](#)
Tartaglia A, Ferrara SM, Sica S, Santantonio T. AIDS. 2017 Oct 23;31(16):2314-2315. doi: 10.1097/QAD.0000000000001623. No abstract available. PMID: 28991029 [Similar articles](#)

Results by year

PMC Images search for hemodialysis hepatitis

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Поиск по ключевым словам

The screenshot shows a web browser window with the address bar displaying `www.ncbi.nlm.nih.gov/pubmed/`. The browser's sidebar on the left contains various icons for social media and utilities. The main content area is the PubMed website, which has a search bar containing the text "hemodialysis hepatitis". Below the search bar, there are filters for "Article types" (Clinical Trial, Review, Customize...), "Text availability" (Abstract, Free full text, Full text), "Publication dates" (5 years, 10 years, Custom range...), and "Species" (Humans, Other Animals). The search results are displayed in a table with columns for "Format", "Summary", and "Sort by: Most Recent". The results show 5 items, with the first two articles displayed. The first article is titled "Efficacy of Direct-Acting Antiviral Combination for Patients With Hepatitis C Virus Genotype 1 Infection and Severe Renal Impairment or End-Stage Renal Disease" and the second is "Conversion from Tacrolimus to Cyclosporine A Improves Glucose Tolerance in HCV-Positive Renal Transplant Recipients". The browser's taskbar at the bottom shows various application icons and the system clock indicating 22:12 on 18.10.17.

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Species clear

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Search results

Items: 5

Filters activated: Clinical Trial, Free full text, published in the last 5 years, Humans. Clear all to show 4951 items.

1. Efficacy of Direct-Acting Antiviral Combination for Patients With Hepatitis C Virus Genotype 1 Infection and Severe Renal Impairment or End-Stage Renal Disease. Pockros PJ, Reddy KR, Mantry PS, Cohen E, Bennett M, Sulkowski MS, Bernstein DE, Cohen DE, Shulman NS, Wang D, Khatri A, Abunimeh M, Podsadecki T, Lawitz E. Gastroenterology. 2016 Jun;150(7):1590-1598. doi: 10.1053/j.gastro.2016.02.078. Epub 2016 Mar 11. PMID: 26976799 Free Article Similar articles

2. Conversion from Tacrolimus to Cyclosporine A Improves Glucose Tolerance in HCV-Positive Renal Transplant Recipients. Handisurya A, Kerscher C, Tura A, Herkner H, Payer BA, Mandorfer M, Werzowa J, Winnicki W, Reiberger T, Kautzky-Willer A, Pacini G, Säemann M, Schmidt A. PLoS One. 2016 Jan 6;11(1):e0145319. doi: 10.1371/journal.pone.0145319. eCollection 2016. PMID: 26735686 Free PMC Article Similar articles

3. Polymorphism of monocyte chemoattractant protein 1 (MCP1 -2518 A/G) and responsiveness to hepatitis B vaccination in hemodialysis patients. Grzegorzewska AE, Pajdzerski D, Sowińska A, Jagodziński PP.

Titles with your search terms

Epidemiology of hepatitis C virus among hemodialysis patients in [Epidemiol Infect. 2017]

The accelerated hepatitis B virus vaccination schedule among hemodialysis [J Nephrol. 2017]

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1. [Efficacy of Direct-Acting Antiviral Combination for Patients With Hepatitis C Virus Genotype 1 Infection and Severe Renal Impairment or End-Stage Renal Disease.](#)
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3. [Polymorphism of monocyte chemoattractant protein 1 \(MCP1 -2518 A/G\) and responsiveness to hepatitis B vaccination in hemodialysis patients.](#)
Grzegorzewska AE, Pajzderski D, Sowińska A, Jagodziński PP.
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4. [Extra-high dose hepatitis B vaccination for peritoneal dialysis patients: a randomised controlled trial.](#)
Chow KM, Lo SH, Szeto CC, Yuen SK, Wong KS, Kwan BC, Leung CB, Li PK.
Hong Kong Med J. 2012 Dec;18 Suppl 6:41-3. No abstract available.
PMID: 23249854 [Free Article](#)
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5. [Intramuscular vs intradermal route for hepatitis B booster vaccine in celiac children.](#)
Leonardi S, Praticò AD, Lionetti E, Spina M, Vitaliti G, La Rosa M.
World J Gastroenterol. 2012 Oct 28;18(40):5729-33. doi: 10.3748/wjg.v18.i40.5729.

Utility of hepatitis C virus RNA as the screening test for diagnosing hepa [J Lab Physicians. 2017]
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Pol Arch Med Wewn. 2014;124(1-2):10-8. Epub 2013 Nov 4.

Polymorphism of monocyte chemoattractant protein 1 (MCP1 -2518 A/G) and responsiveness to hepatitis B vaccination in hemodialysis patients.

Grzegorzewska AE, Paizderski D, Sowińska A, Jagodziński PP.

Abstract

INTRODUCTION: Monocyte chemoattractant protein 1 (MCP-1) is involved in the pathogenesis of renal diseases, diabetes, and hepatitis B virus (HBV) clearance.

OBJECTIVES: The aim of the study was to evaluate the distribution of MCP1-2518 A/G (rs1024611) polymorphic variants in patients on hemodialysis (HD) with respect to their responsiveness to hepatitis B vaccination.

PATIENTS AND METHODS: Patients on HD, never infected with HBV, were enrolled into the study after receiving an appropriate hepatitis B vaccine. The HD group consisted of 601 individuals who responded to vaccination with anti-HBs titer exceeding 10 IU/l considered as protective and 153 nonresponders, in whom no adequate response was observed (anti-HBs, ≤ 10 IU/l). There were 175 diabetic patients among responders and 47 diabetic patients among nonresponders. Healthy subjects served as controls (n = 437). MCP1 genotyping was determined by polymerase chain reaction-restriction fragment length polymorphism.

RESULTS: The distribution of MCP1 rs1024611 polymorphic variants in controls was as follows: AA, 51%; AG, 41%; GG, 8%. There were no significant differences (P > 0.05) in MCP1 distribution between the study groups and controls, independently of the occurrence of diabetes and responsiveness to hepatitis B vaccination. HD groups that were identified based on diabetic status and responsiveness to hepatitis B vaccination did not differ in MCP1 distribution.

CONCLUSIONS: MCP1-2518 A/G polymorphism is not associated with responsiveness to hepatitis B vaccination in patients on HD, independently of whether they have diabetes or not.

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Association of the interleukin-12 polymorphic variants with the development [Mol Biol Rep. 2013]

Factors affecting response to hepatitis B vaccine among hemodialysis patients [Saudi J Kidney Dis Transpl. 2014]

Review Factors affecting effectiveness of vaccination against hepatitis B [World J Gastroenterol. 2014]

Review Hepatitis B vaccine by intradermal route in non responder patients [World J Gastroenterol. 2014]

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Это когортное исследование так как:

- Участвуют 2 группы пациентов:
 - подверженные воздействию факторов риска
 - не подверженные воздействию
- Группа пациентов со сходным признаком
- Контроль за обеими группами осуществлялся одинаково
- Была оценка исходов

- Авторы: Grzegorzewska AE, Pajzderski D, Sowińska A, Jagodziński PP.
- Дата публикаций: 2013 Nov 4

- PATIENTS AND METHODS:
Patients on HD, never infected with HBV, were enrolled into the study after receiving an appropriate hepatitis B vaccine. The HD group consisted of 601 individuals who responded to vaccination with anti-HBs titer exceeding 10 IU/l considered as protective and 153 nonresponders, in whom no adequate response was observed (anti-HBs, ≤ 10 IU/l). There were 175 diabetic patients among responders and 47 diabetic patients among nonresponders. Healthy subjects served as controls (n = 437). MCP1 genotyping was determined by polymerase chain reaction-restriction fragment length polymorphism.

- ПАЦИЕНТЫ И МЕТОДЫ:
Пациенты на HD, никогда не зараженные вирусом гепатита В, были зарегистрированы в исследовании после приема вакцины против гепатита В. Группа HD состояла из 601 человека, ответивших на вакцинацию с титром anti-HBs, превышающим 10 IU/l, которые рассматривают как защитную и 153 неответающих, в которых никакая соответствующая реакция не наблюдалась (anti-HBs, ≤ 10 IU/l). Было 175 страдающих от диабета пациентов среди отвечающих на вакцинацию и 47 страдающих от диабета пациентов среди неответающих. Здоровые люди служили контрольными группами (n = 437). Генотипирование MCP1 было определено полимеразным полиморфизмом длины фрагмента рестрикции цепной реакции.

- RESULTS: The distribution of MCP1 rs1024611 polymorphic variants in controls was as follows: AA, 51%. AG, 41%. GG, 8%. There were no significant differences ($P > 0.05$) in MCP1 distribution between the study groups and controls, independently of the occurrence of diabetes and responsiveness to hepatitis B vaccination. HD groups that were identified based on diabetic status and responsiveness to hepatitis B vaccination did not differ in MCP1 distribution.

- РЕЗУЛЬТАТЫ: распределение MCP1 rs1024611 полиморфные варианты в контрольных группах было следующие: AA, 51%. AG, 41%. GG 8%. Не было никаких существенных различий ($P > 0.05$) в распределении MCP1 между исследовательскими группами и контрольными группами, независимо от возникновения диабета и реактивности к прививке от гепатита В. Группы HD, идентифицированные на основе диабетического статуса и реактивности к прививке от гепатита В, не отличались по распределению MCP1.

- CONCLUSIONS: MCP10-2518 A/G polymorphism is not associated with responsiveness to hepatitis B vaccination in patients on HD, independently of whether they have diabetes or not.

- ЗАКЛЮЧЕНИЯ: полиморфизм MCP10-2518 A/G не связан реактивностью с прививкой от гепатита В у больных на HD, независимо от того, есть ли у них диабет или нет.

Мое мнение

Цель исследования состояла в том, чтобы оценить распределение MСР1-2518 A/G (rs1024611) полиморфные варианты у больных на гемодиализе (HD) относительно их реактивности к прививке от гепатита В.

В данном исследовании результат показал, что вакцинация не привела ни к какому результату, поэтому продолжение не является целесообразным.