

**С.Ж.Асфендияров атындағы
Қазақ Ұлттық
Медицина Университеті**



**Казахский Национальный
Медицинский Университет
имени С.Ж.Асфендиярова**

ДЕНСАУЛЫҚ САҚТАУ САЯСАТЫ ЖӘНЕ БАСҚАРУ КАФЕДРАСЫ

Проект тақырыбы:

**«Жедел миокард инфарктісін емдеуде
қолданылатын лидокаиннің
профилактикалық тиімділігін бағалау»**

Орындаған: Өтеш А. Ә.

Тобы: 13-004-1

Факультет: Жалпы медицина

МӘСЕЛЕ:

- 42 жастағы Б. есімді науқас стерсс жағдайынан кейін, кеуде тұсындағы қатты ауру сезімімен ауруханаға түсті. Тексеру мен анализ нәтижесі арқылы оған жедел миокард инфарктісі диагнозы қойылды. Науқасты емдеу және ауру сезімін басу үшін тамырішілік лидокаин препараты тағайындалды.
- **СҰРАҚ:** “Жедел миокард инфарктісімен ауыратын науқастың емі үшін бұл препараттың тиімділігі қандай ?”

РІСО БОЙЫНША

- **Р** —42 жастағы науқас
- **І** —Лидокаин препаратын қолдану
- **С** —Лидокаинды қолданбаған басқа науқастармен салыстыру
- **О** —Науқастар жағдайларының жақсаруы

PUBMED САЙТЫНЫҢ БАСТАПҚЫ БЕТІ

The screenshot shows the PubMed website homepage in a browser window. The browser tabs include "pubmed - 1 млн результатов" and "Home - PubMed - NCBI". The address bar shows "www.ncbi.nlm.nih.gov/pubmed/". The page header includes "NCBI Resources How To" and a "Sign in to NCBI" link. The main content area features a search bar with "PubMed" selected, a "Search" button, and a "Help" link. Below the search bar, there is a "PubMed" section with a description: "PubMed comprises more than 25 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites." To the right of this section is a "PubMed Commons" section with a "Featured comment" dated Nov 30, mentioning "DNA barriers: Author C de Boer (@Tweet4Carl) updates article with detailed schematic & supporting results. 1.usa.gov/1PaneyW". Below these sections are three columns of links: "Using PubMed" (PubMed Quick Start Guide, Full Text Articles, PubMed FAQs, PubMed Tutorials, New and Noteworthy), "PubMed Tools" (PubMed Mobile, Single Citation Matcher, Batch Citation Matcher, Clinical Queries, Topic-Specific Queries), and "More Resources" (MeSH Database, Journals in NCBI Databases, Clinical Trials, E-Utilities (API), LinkOut). The footer includes a breadcrumb "You are here: NCBI > Literature > PubMed", a "Write to the Help Desk" link, and navigation menus for "GETTING STARTED", "RESOURCES", "POPULAR", "FEATURED", and "NCBI INFORMATION". The Windows taskbar at the bottom shows the time as 23:28.

pubmed - 1 млн результатов x Home - PubMed - NCBI x

www.ncbi.nlm.nih.gov/pubmed/

NCBI Resources How To Sign in to NCBI

PubMed.gov US National Library of Medicine National Institutes of Health PubMed Advanced Help

PubMed
PubMed comprises more than 25 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

PubMed Commons
Featured comment - Nov 30
DNA barriers: Author C de Boer (@Tweet4Carl) updates article with detailed schematic & supporting results. 1.usa.gov/1PaneyW

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You are here: NCBI > Literature > PubMed Write to the Help Desk

GETTING STARTED **RESOURCES** **POPULAR** **FEATURED** **NCBI INFORMATION**
NCBI Education Chemicals & Bioassays PubMed Genetic Testing Registry About NCBI

RU 23:28

КІЛТ СӨЗДЕР:

- **Жедел миокард инфаркты және лидокаин**

KEY WORDS:

- **Heart attack of myocardial and lidocainum**

КІЛТ СӨЗДЕР БОЙЫНША ІЗДЕУ

pubmed - 1 млн результе x heart attack of myocardiu x Переводчик Google x

www.ncbi.nlm.nih.gov/pubmed/?term=heart+attack+of+myocardium%5Clidocainum

NCBI Resources How To Sign in to NCBI

PubMed.gov US National Library of Medicine National Institutes of Health

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Clinical Trial Review Customize ...

Text availability Abstract Free full text Full text

PubMed Commons Reader comments Trending articles

Publication dates 5 years 10 years Custom range...

Species Humans Other Animals

Clear all Show additional filters

Search results

Items: 1 to 20 of 73 << First < Prev Page 1 of 4 Next > Last >>

Showing results for **heart attack of myocardium\ lidocaine**. Search instead for [heart attack of myocardium\lidocainum](#) (0)

- [The persistent sodium current blocker riluzole is antiarrhythmic and anti-ischaemic in a pig model of acute myocardial infarction.](#)
Weiss SM, Saint DA.
PLoS One. 2010 Nov 24;5(11):e14103. doi: 10.1371/journal.pone.0014103.
PMID: 21124787 **Free PMC Article**
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- [Spiral waves and reentry dynamics in an in vitro model of the healed infarct border zone.](#)
Chang MG, Zhang Y, Chang CY, Xu L, Emokpae R, Tung L, Marbán E, Abraham MR.
Circ Res. 2009 Nov 20;105(11):1062-71. doi: 10.1161/CIRCRESAHA.108.176248. Epub 2009 Oct 8.
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- [Electroanatomic mapping of the left ventricle in a porcine model of chronic myocardial infarction with magnetic resonance-based catheter tracking.](#)
Dukkipati SR, Mallozzi R, Schmidt EJ, Holmvang G, d'Avila A, Guhde R, Darrow RD, Slavin G, Fung M, Malchano Z, Kampa G, Dando JD, McPherson C, Foo TK, Ruskin JN, Dumoulin CL, Reddy VY.
Circulation. 2008 Aug 19;118(8):853-62. doi: 10.1161/CIRCULATIONAHA.107.738229. Epub

New feature

Try the new Display Settings option - Sort by Relevance

Find related data

Database: Select Find items

Search details

("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields]) OR

Search See more...

Recent Activity

Turn Off Clear

heart attack of myocardium\ lidocaine (73) PubMed See more...

EN 23:45

КЕРЕКТІ МАҚАЛАНЫ ТАҢДАП АЛУ

The screenshot shows a web browser window with three tabs: 'pubmed - 1 млн результатов', 'heart attack of myocardium', and 'Переводчик Google'. The address bar shows 'www.ncbi.nlm.nih.gov/pubmed'. The page content includes a left sidebar with filters for 'Article types', 'Text availability', 'PubMed Commons', and 'Publication dates'. The main area displays search results for 'heart attack of myocardium lidocaine', showing three items with their titles, authors, journals, and PMIDs. The right sidebar contains sections for 'New feature', 'Find related data', 'Search details', and 'Recent Activity'. The bottom of the image shows the Windows taskbar with various application icons and the system clock at 0:01.

pubmed - 1 млн результатов x heart attack of myocardium x Переводчик Google x

www.ncbi.nlm.nih.gov/pubmed

Article types: Summary ▾ 20 per page ▾ Sort by Most Recent ▾ Send to: ▾ Filters: [Manage Filters](#)

Clinical Trial
Review
Customize ...

Text availability: Abstract
Free full text
Full text

PubMed Commons
Reader comments
Trending articles

Publication dates: 5 years
10 years
Custom range...

Species: Humans
Other Animals

[Clear all](#)
[Show additional filters](#)

Search results

Items: 1 to 20 of 73 << First < Prev Page 1 of 4 Next > Last >>

Showing results for **heart attack of myocardium lidocaine**. Search instead for [heart attack of myocardium \ lidocainum](#) (0)

- [The persistent sodium current blocker riluzole is antiarrhythmic and anti-ischaeamic in a pig model of acute myocardial infarction.](#)
Weiss SM, Saint DA.
PLoS One. 2010 Nov 24;5(11):e14103. doi: 10.1371/journal.pone.0014103.
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Chang MG, Zhang Y, Chang CY, Xu L, Emokpae R, Tung L, Marbán E, Abraham MR.
Circ Res. 2009 Nov 20;105(11):1062-71. doi: 10.1161/CIRCRESAHA.108.176248. Epub 2009 Oct 8.
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Circulation. 2008 Aug 19;118(8):853-62. doi: 10.1161/CIRCULATIONAHA.107.738229. Epub 2008 Aug 4.
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[the myocardial protective effect of sevoflurane post-](#)

New feature

Try the new Display Settings option - [Sort by Relevance](#)

Find related data

Database:

Search details

("myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields])) OR "myocardial infarction"[All Fields] OR

[See more...](#)

Recent Activity

[Turn Off](#) [Clear](#)

- The persistent sodium current blocker riluzole is antiarrhythmic PubMed
- heart attack of myocardium lidocaine (73) PubMed
- heart attack of myocardium lidocaine AND (Clinical Trial[ptyp] AN... PubMed
- heart attack of myocardium lidocaine AND (Clinical Trial[ptyp] AN... PubMed
- heart attack of myocardium lidocaine AND (Clinical Trial[ptyp] AN... PubMed

www.ncbi.nlm.nih.gov/pubmed/19815825

EN 0:01

КЕРЕКТИ МАҚАЛАҒА КІРУ

pubmed - 1 млн результе x Does lidocaine protect the x Переводчик Google x

www.ncbi.nlm.nih.gov/pubmed/9773138

NCBI Resources How To Sign in to NCBI

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Abstract Send to

Acta Anaesthesiol Scand. 1998 Sep;42(8):936-40.

Does lidocaine protect the heart during coronary revascularisation?

Rinne T¹, Kaukinen S.

Author information

Abstract

BACKGROUND: Lidocaine has been used as the primary antiarrhythmic agent for ventricular arrhythmias during acute myocardial infarction (MI) and open heart surgery. Its cardioprotective effects have been studied in experimental settings and also during angioplastic reperfusion and coronary revascularisation. The basic mechanism of action, probably also involved with cardioprotection, has been demonstrated to be blockade of cardiac sodium channels. In this open study we investigated the contribution of continuous lidocaine infusion to cardioprotection during coronary revascularisation with blood cardioplegia.

METHODS: During coronary revascularisation with cold blood cardioplegia, a study group of 50 patients received a prophylactic lidocaine infusion for 20 h started with a bolus dose before aortic clamping; another group of 50 patients without the infusion served as a control group. Serum troponin T concentration, serum creatine kinase MB activity and electrocardiography were the main parameters recorded.

RESULTS: Serial measurement of Troponin T ($P = 0.06$) and CK-MB values: ($P = 0.09$) were slightly lower in the lidocaine group, but the differences were not statistically significant.

CONCLUSION: Lacking statistically significant evidence of improved cardioprotection, lidocaine infusion cannot be recommended as a routine treatment during coronary revascularisation.

PMID: 9773138 [PubMed - indexed for MEDLINE]

Publication Types, MeSH Terms, Substances

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Cited by 1 systematic review

Review Continuous intravenous peri [Cochrane Database Syst Rev. 2015]

Similar articles

Cardiac Troponin T to evaluate myoca [J Cardiovasc Surg (Torino). 1998]

Esmolol cardioplegia in unstable coronary revascu [Acta Anaesthesiol Scand. 2000]

Mechanoenergetic function and troponin T rele: [Interact Cardiovasc Thorac Sur...]

Review A strategy for the use of cardiac injury marke [Arch Pathol Lab Med. 1998]

Review Is blood cardioplegia superior to crista [Interact Cardiovasc Thorac Sur...]

See reviews... See all...

EN 0:17

БҰЛ РБЗ, СЕБЕБІ:

- Екінші бақылау тобы бар;
- Жедел инфаркт миокарды бар 100 науқас алынған;
- Науқастар топтарға кездейсоқ бөлінген;
- Зерттеуде статистикалық мәліметтер бар.

- **ЗЕРТТЕУДІҢ ӨТКІЗІЛГЕН ЖЕРІ:** ¹Department of Anaesthesia and Intensive Care, Tampere University Hospital, Finland.
- **АВТОРЛАРЫ:** Rinne T¹, Kaukinen S.
- **ПУБЛИКАЦИЯ ЖЫЛЫ:** Acta Anaesthesiol Scand. 2010 Sep;42(8):936-40
- **ЗЕРТТЕУ ӘДІСІ:** Рандомизацияланған бақылау зерттеу(РБЗ),

- **МАҚСАТЫ:** Лидокаин жедел инфаркт миокарды кезіндегі қарыншалық аритмияның алғашқы антиаритмиялық агенті ретінде қолданылған. Лидокаинның кардиопртективті әсері, оның негізгі әсер ету механизмі жүректегі натрий каналының блокадасы арқылы түсіндіріледі.
- **OBJECTIVE:** Lidocaine has been used as the primary antiarrhythmic agent for ventricular arrhythmias during acute myocardial infarction (MI) and open heart surgery. Its cardioprotective effects have been studied in experimental settings and also during angioplastic reperfusion and coronary revascularisation.

- **ӘДІСІ:** Зерттеу үшін 50 науқасқа профилактика мақсатында лидокаин инфузиясын енгізді, ал бақылау тобындағы 50 науқасқа енгізілмеді. Зерттеу кезінде тропонин, креатин киназа және ЭКГ нәтижелері жазылып отырды.
- **METHOD:** During coronary revascularisation with cold blood cardioplegia, a study group of 50 patients received a prophylactic lidocaine infusion for 20 h started with a bolus dose before aortic clamping; another group of 50 patients without the infusion served as a control group. Serum troponin T concentration, serum creatine kinase MB activity and electrocardiography were the main parameters recorded.

- **НӘТИЖЕСІ:** Зерттеу нәтижелері лидокаин қабылдаған науқастардың тропонин Т ($P=0,06$) және креатин киназдың ($P=0,09$) мөлшері бақылау тобынан төмен екенін көрсетті.
- **RESULT:** Serial measurement of Troponin T ($P = 0.06$) and CK-MB values: ($P = 0.09$) were slightly lower in the lidocaine group, but the differences were not statistically significant.

- **CONCLUSION:** Lacking statistically significant evidence of improved cardioprotection, lidocaine infusion cannot be recommended as a routine treatment during coronary revascularisation.
- **ҚОРЫТЫНДЫ:** Зерттеу нәтижелері лидокаинның жедел инфарк миокарды және коронарлық реваскуляризация кезінде де тиімді екенін көрсетті.

МЕНІҢ ОЙЫМША:

Біздің елімізде жүрек қан тамырлары ауруларының ішінде миокард инфаркты бірінші орында тұр.

Аурудың алдын алу үшін салауатты өмір салтын сақтау, спортпен айналысу керек және әр жыл сайын дәрігер тексерісінен өту қажет.

**НАЗАР АУДАРҒАНДАРЫҢЫЗҒА
РАХМЕТ!**

