

Author Keywords & MeSH

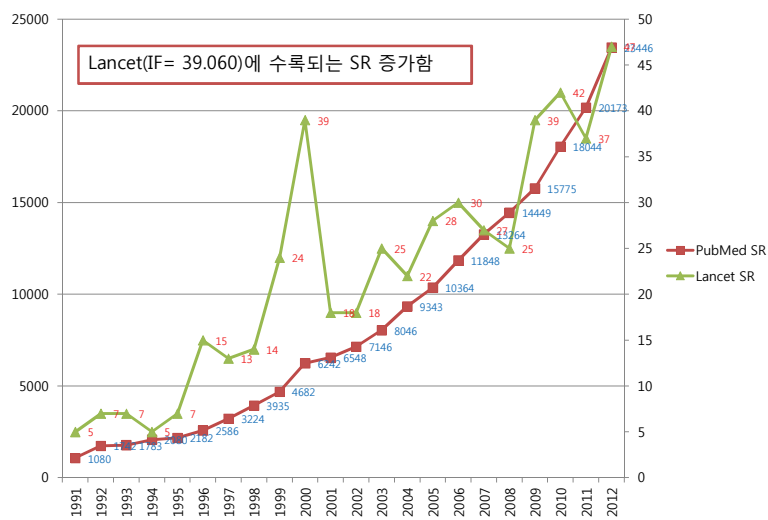
가톨릭대학교 성의교정 도서관
정 소 나 (sona@catholic.ac.kr)

목차

- Author Keywords의 중요성
- Author Keywords 분석
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 - NLM MeSH 활용
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 - MeSH Search in KoreaMed 활용
- Author Keywords & Abstracts
- 맺음말

Author Keywords 중요성

Systematic Reviews in PubMed



근거중심의학환경에서의 문헌검색 중요성

<체계적 문헌고찰(Systematic Reviews, SR)연구 흐름도>



한국보건의료연구원. NECA 체계적 문헌고찰 매뉴얼. 2011

체계적 문헌 고찰 검색 전략

- Systematic Reviews(SR): 명백하고 재현성 있는 방법론에 따라 확고한 연구 목적과 방법으로 이루어진 일차 문헌들의 개괄
- 포괄적으로 검색하면서도 배제되지 않게 검색전략을 수립
- 광범위하게 검색하기 위한 통제어가 필수적임
 - 대표적으로 MeSH 사용
- 검색: 통제어와 키워드 조합



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Notice: To support the relief effort in the aftermath of Typhoon Haiyan, we have highlighted four Cochrane Evidence Aid Special Collections below. People in the Philippines will also have free access to all Cochrane Reviews until March 2014.

COCHRANE DATABASE OF SYSTEMATIC REVIEWS

Issue 12 of 12, December 2013

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EDITORIALS

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A Metin Gülmezoglu, Jackie Chandler, Sasha Sheppard & Tomás Paritja

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Taryn Young, Paul Garner, Tamara Kredo, Lawrence Mbugabwa, Prathap Tharyan & Jimmy Volmink

Should The Cochrane Collaboration be producing reviews of efficiency?

Mike Drummond, Ian Shemilt & Luke Vale, on behalf of the Campbell and Cochrane Economic Methods Group

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Appendix 1. MEDLINE search strategy

1. exp OSTEoarthritis/
2. osteoarthr\$.tw.
3. (degenerative adj2 arthritis).tw.
4. or/1-3
5. exp CHONDroitin/
6. chondroitin.sh,rn,tw.
7. 5 or 6
8. 4 and 7
9. randomized controlled trial.pt.
10. controlled clinical trial.pt.
11. randomized controlled trials.sh.
12. random allocation.sh.
13. double blind method.sh.
14. single-blind method.sh.
15. clinical trial.pt.
16. clinical trials.sh.
17. clinical trial.tw.
18. ((singl\$ or doubl\$ or treb\$ or tripl\$) and (mask\$ or blind\$)).tw.
19. placebos.sh.
20. placebo\$.tw.
21. random\$.tw.
22. Research Design/
23. comparative study.sh.
24. evaluation studies.sh.
25. follow-up studies.sh.
26. prospective studies.sh.
27. control\$.tw.
28. prospectiv\$.tw.
29. volunteer\$.tw.
30. or/9-29
31. (animal not human).mp.
32. 30 not 31

SR 문헌의 Search strategy 사례

관련 데이터베이스에서 재현 가능한 검색전략으로 검색을 수행함. Appendix에 검색전략제시.

* 포괄적인 검색

- MeSH 검색 절대적임 (빨간색 밑줄) : DB구축시 주제색인 필요함
- 다양한 Text words를 조합하여 검색

Text Words in PubMed

- **Text Words [TW]**

all words and numbers in the **title**, **abstract**,
other abstract, **MeSH terms**, MeSH
Subheadings, Publication Types, Substance
Names, Personal Name as Subject, Corporate
Author, Secondary Source,
Comment/Correction Notes,

Other Terms (see Other Term [OT] above)
typically non-MeSH subject terms (keywords) <-
추가

http://www.ncbi.nlm.nih.gov/books/NBK3827/#pubmedhelp.PubMed_Quick_Start

Author Keywords in PubMed

- 2013-
- **PubMed now displays author keywords when supplied by publishers.** NLM will not review author keywords for accuracy or add them to non-publisher supplied citations.
- Author Keywords are available on the Abstract, MEDLINE, and XML displays.

Torre S. Author Keywords in PubMed. NLM Tech Bull. 2013 Jan-Feb;(390):e2.

Author Keywords on the Abstract Display

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Display Settings: Abstract

Korean Circ J. 2013 Oct;43(10):699-701. Epub 2013 Oct 30.

Very Early Onset of Amiodarone-Induced Pulmonary Toxicity.

Lee W, Ryu DR, Han SS, Ryu SW, Cho BR, Kwon H, Nam BB.
Department of Internal Medicine, Kangwon National University Hospital, Chuncheon, Korea.

Abstract
Amiodarone is a widely used antiarrhythmic agent. Among its various adverse effects, amiodarone-induced pulmonary toxicity (APT) is the most life threatening complication, which has been described mostly in patients who have been in treatment with high accumulative doses for a long duration of time. However, amiodarone therapy in short-term duration induced APT was rarely reported. We describe a case of a 54-year-old man who is presented with symptoms of APT after a few days of therapy for post-myocardial infarction ventricular tachycardia. For early diagnosis and successful treatment, awareness and high suspicion of this rare type of early onset APT is crucial in patients with amiodarone therapy.

KEYWORDS: Amiodarone, Arrhythmias, cardiac, Drug toxicity, Myocardial infarctions

PMID: 24255655 [PubMed - as supplied by publisher] PMCID: PMC3831017 Free PMC Article

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Related citations in PubMed
Amiodarone-induced alveolar haemorrhage: a rar [Heart Lung Circ. 2010]
Long-term low-dose amiodarone therapy in the management of ven [Clin Cardiol. 1997]
Amiodarone induced pneumonitis and hyperthyroidism [Pol Arch Med Wewn. 2008]
Review [Early diagnosis of amiodarone-induced pulmonary t [Jgeski Laeger. 1996]
Review The role of intravenous amiodarone in the m [Ann Intern Med. 1997]




Author Keywords on the MEDLINE Display

```

PMID- 24255655
OWN - NLM
SIAT- Publisher
DA - 2
IS - 1
IS - 1
VI - 4
IP - 1
DP - 2
TI - V
PG - 6
AB - A
effects, amiodarone-induced pulmonary toxicity (APT) is the most life threatening complication, which has been described mostly in patients who have been in treatment with high accumulative doses for a long duration of time. However, amiodarone therapy in short-term duration induced APT was rarely reported. We describe a case of a 54-year-old man who is presented with symptoms of APT after a few days of therapy for post-myocardial infarction ventricular tachycardia. For early diagnosis and successful treatment, awareness and high suspicion of this rare type of early onset APT is crucial in patients with amiodarone therapy.
AD - Department of Internal Medicine, Kangwon National University Hospital, Chuncheon, Korea.
FAU - Lee, Wonho
AU - Lee W
FAU - Ryu, Dong Rueol
AU - Ryu DR
FAU - Han, Seon-Sook
AU - Han SS
FAU - Ryu, Sook-Won
AU - Ryu SW
FAU - Cho, Byung Ryul
AU - Cho BR
FAU - Kwon, HyuckI
AU - Kwon H
FAU - Kim, Bo Ra
AU - Kim BR
LA - ENG
PT - JOURNAL ARTICLE
DEP - 20131030
TA - Korean Circ J
OT - Korean circulation journal
JID - 101247141
PMC - PMC3831017
OTO - NOTNLM
OT - Amiodarone
OT - Arrhythmias, cardiac
OT - Drug toxicity
OT - Myocardial infarctions
EDAT- 2013/11/21 06:00
MHDA- 2013/11/21 06:00
CRDT- 2013/11/21 06:00
RHSI- 2013/04/15 [received]
RHSI- 2013/05/09 [revised]
    
```

OT - Amiodarone
OT - Arrhythmias, cardiac
OT - Drug toxicity
OT - Myocardial infarctions

Author Keywords on the Abstract Display

Very Early Onset of Amiodarone-Induced Pulmonary Toxicity.

Lee W, Ryu DR, Han SS, Ryu SW, Cho BR, Kwon H, Kim BR.

Department of Internal Medicine, Kangwon National University Hospital, Chuncheon, Korea. rdr0203@gmail.com
Department of Laboratory Medicine, Kangwon National University Hospital, Chuncheon, Korea.

Abstract
Amiodarone is a widely used antiarrhythmic agent. Among its various adverse effects, amiodarone-induced pulmonary toxicity (APT) is the most life threatening complication which has been described mostly in patients who have been in treatment with high accumulative doses for a long duration of time. However, amiodarone therapy in short-duration induced APT was rarely reported. We describe a case of a 54-year-old man who is presented with symptoms of APT after a few days of therapy for post-myocardial infarction ventricular tachycardia. For early diagnosis and successful treatment, awareness and high suspicion of this rare type of early onset APT is crucial in patients with amiodarone therapy.

Images from this publication. 2 figures. Full Text

Publication Types:

- Case Reports

MeSH Terms:

- Amiodarone
- Arrhythmias, Cardiac
- Dimaprit
- Drug Toxicity
- Early Diagnosis
- Humans
- Infarction
- Middle Aged
- Myocardial Infarction
- Tachycardia, Ventricular

Substances:

- APT
- Amiodarone
- Dimaprit

Author Keywords:

- Amiodarone
- Arrhythmias, cardiac
- Drug toxicity
- Myocardial infarctions

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Diet, smoking and cardiovascular risk in people with schizophrenia - Descriptive study

저자: McCreadie, RG (McCreadie, RG)

그룹 저자: Scottish Schizophrenia Lifestyle G

학술지명: BRITISH JOURNAL OF PSYCHIATRY 권: 183 페이지: 534-539 DOI: 10.1192/bjp.183.6.534 출판연도: DEC 2003

인용 횟수: 197 (Web of Science에서)

면목 문헌: 32 [Related Records 보기] | [면목 열](#)

초록: Background Physical health of people with schizophrenia is poor and they die early from cardiovascular disease.

Aims: To describe the lifestyle of people with schizophrenia through diet, smoking habits, weight and exercise, and to report risk of coronary heart disease (CHD).

Method: Dietary habits of 102 community-dwelling people with schizophrenia were assessed by the Scottish Health Survey Questionnaire. Also assessed were smoking habits, physical activity, biochemical indices of nutrition and future risk of CHD.

Results: Fewer males, compared with the general population, reached acceptable levels for consumption of fruit, vegetables, milk, potatoes and pulses. Fewer females reached the levels for consumption of milk and potatoes. Mean number of fruit and vegetable portions consumed per week was 16 (s.d.=14); 71 (70%) were smokers; 25 (8%) females and 50 (70%) males were overweight or obese; 59 (59%) considered themselves physically active; 46 (53%) had a raised cholesterol: high-density lipoprotein ratio, and 64 (74%) a low alpha-tocopherol: cholesterol ratio. Mean 10-year risk of CHD in males was 10.5% (s.d.=6) and in females 7% (s.d.=6).

Conclusions: The lifestyle of people with schizophrenia must give cause for concern in relation to CHD. Care from secondary care services must address physical as well as mental health.

Declaration of interest: Funded by Chief Scientist Office, Scottish Executive.

식별 번호: WOS 000187250300011

문서 유형: Article

언어: English

KeyWords Plus: CORONARY HEART-DISEASE; VEGETABLE CONSUMPTION; PHYSICAL-ACTIVITY; FRUIT; ASSOCIATION; POPULATION; NITHSDALE; MORTALITY; SCOTLAND; ADULTS

교신 저자 주소: McCreadie, RG(교신 저자)
Crichton Royal Hosp, Dept Clin Res, Dumfries DG1 4TG, Scotland.

연구기관명 및 주소:
[1] Crichton Royal Hosp, Dept Clin Res, Dumfries DG1 4TG, Scotland

저자키워드 + 참고문헌의 용어

인용 횟수: 198

[인용 열람 만들기](#)

이 논문이 Web of Knowledge에서 198번 인용되었습니다.

Sweeting, Joanna. Postmortem analysis of cardiovascular deaths in schizophrenia: A 10-year review. SCHIZOPHRENIA RESEARCH, NOV 2013.

Fan, Zuowu. Schizophrenia and the risk of cardiovascular diseases: A meta-analysis of thirteen cohort studies. JOURNAL OF PSYCHIATRIC RESEARCH, NOV 2013.

Roberts, Seren Haf. An ethnographic study of the incentives and barriers to lifestyle interventions for people with severe mental illness. JOURNAL OF ADVANCED NURSING, NOV 2013.

추가 정보

- 학술지 impact factor 보기(Journal Citation Reports에서)

수정 제안

이 레코드의 데이터를 향상시키려면 수정 사항을 제안해 주십시오.

ICMJE 2005 URM의 Key words 권고

- Some journals request that, following the abstract, authors provide, and identify as such, **3 to 10 key words or short phrases** that capture the **main topics of the article**.
- These will assist indexers in cross-indexing the article and may be published with the abstract.
- Terms from the **Medical Subject Headings (MeSH) list of Index Medicus** should be used
- if suitable MeSH terms are not yet available for recently introduced terms, **present terms may be used**.

http://www.icmje.org/2005_urm.pdf

2) Abstract and Key Words

- Do not cite references in the abstract.
- Limit use of acronyms and abbreviations. Define acronym or abbreviation at its first use in parentheses.
- Be concise (250 words maximum).
- Use the following headings; Background and Objectives, Subjects (Materials) and Methods, Results, and Conclusion. Conclusion should include succinct statement of data interpretation, not the reiteration of data summary.
- Key words; Key words(5 words maximum) should be used from the Medical Subject Headings (MeSH) list of Index Medicus(<http://www.nlm.nih.gov/mesh>). If suitable MeSH terms are not available for recently introduced terms, present terms may be used.

투고규정

YMJ YONSEI
MEDICAL
JOURNAL

Key Words: List 3-6 key words from the list provided in Index Medicus under "Medical Subject Heading (MeSH)."

JKMS
JOURNAL OF KOREAN MEDICAL SCIENCE

Abstract and Key Words:

The abstract should be concise, less than 200 words, and describe concisely, in a paragraph the purpose, methods, important results, and derived conclusions of the study in an unstructured format. Abbreviations, if needed, should be kept to an absolute minimum with proper identifications. Up to 10 key words should be listed at the end of the abstract to be used as index terms. For the selection of key words, refer to Medical Subject Headings (MeSH) in Index Medicus, or at the internet site, <http://www.nlm.nih.gov/mesh/MBrowser.html>.

MeSH로 색인하고 검색하면 관련 유사어, 동의어를 모두 입력하지 않아도 됨

Keywords

- Amiobeta
- Betapharm Brand of Amiodarone Hydrochloride
- Cordarone
- Cordarex
- Amiodarex
- Sanofi Winthrop Brand of Amiodarone Hydrochloride
- Wyeth Brand of Amiodarone Hydrochloride
- Kordaron
- Trangorex
- Amiodarona
- Berenguer Infale Brand of Amiodarone Hydrochloride
- Amiohexal
- Hexal Brand of Amiodarone Hydrochloride
- SKF 33134-A
- SKF 33134 A
- SKF 33134A
- Braxan
- Armstrong Brand of Amiodarone Hydrochloride
- Corbionax
- G Gam Brand of Amiodarone Hydrochloride
- L-3428
- L 3428
- L3428
- Ortacrone
- Pharma Investi Brand of Amiodarone Hydrochloride
- Rytmarone
- Leurquin Brand of Amiodarone Hydrochloride
- Tachydaron
- ASTA Medica Brand of Amiodarone Hydrochloride
- Aratac
- Alphapharm Brand of Amiodarone Hydrochloride


MeSH

Amiodarone [MeSH]



"amiodarone"[MeSH Terms]의 Entry Terms인 "Aratac"의 PubMed 검색

The screenshot shows a PubMed search interface. The search bar contains 'aratac'. The search details panel on the right shows the search criteria: "amiodarone" [MeSH Terms] OR "amiodarone" [All Fields]. The search results list several articles, with the first one highlighted in a red box. The highlighted article is: "Very Early Onset of Amiodarone-Induced Pulmonary Toxicity." by Lee W, Ryu DR, Han SS, Ryu SW, Cho BR, Kwon H, Kim BR. Korean Circ J. 2013 Oct 43(10):699-701. PMID: 24255655. A blue dashed arrow points from the search details panel to the highlighted article.

Display Settings: [x] Abstract Send to: [x] 

Korean Circ J. 2013 Oct;43(10):699-701. Epub 2013 Oct 30.

Very Early Onset of Amiodarone-Induced Pulmonary Toxicity.


Lee W, Ryu DR, Han SS, Ryu SW, Cho BR, Kwon H, Kim BR.
Department of Internal Medicine, Kangwon National University Hospital, Chuncheon, Korea.

Abstract
Amiodarone is a widely used antiarrhythmic agent. Among its various adverse effects, amiodarone-induced pulmonary toxicity (APT) is the most life threatening complication, which has been described mostly in patients who have been in treatment with high accumulative doses for a long duration of time. However, amiodarone therapy in short-term duration induced APT was rarely reported. We describe a case of a 54-year-old man who is presented with symptoms of APT after a few days of therapy for post-myocardial infarction ventricular tachycardia. For early diagnosis and successful treatment, awareness and high suspicion of this rare type of early onset APT is crucial in patients with amiodarone therapy.

KEYWORDS: Amiodarone, Arrhythmias, cardiac, Drug toxicity, Myocardial infarctions

PMID: 24255855 [PubMed - as supplied by publisher] PMCID: PMC3831017 [Free PMC Article](#)

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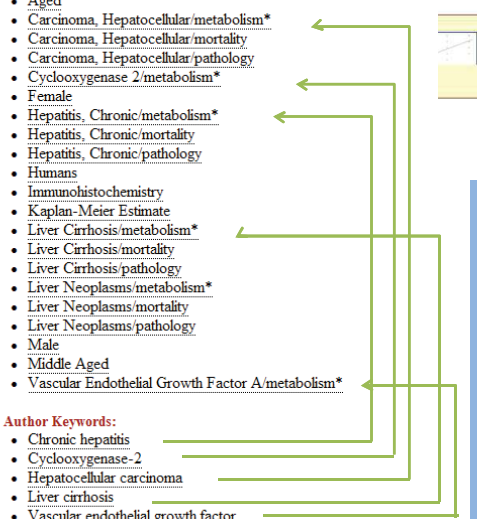
KoreaMed MeSH Terms & Author Keywords

MeSH terms:

- Adult
- Aged
- Carcinoma, Hepatocellular/metabolism*
- Carcinoma, Hepatocellular/mortality
- Carcinoma, Hepatocellular/pathology
- Cyclooxygenase 2/metabolism*
- Female
- Hepatitis, Chronic/metabolism*
- Hepatitis, Chronic/mortality
- Hepatitis, Chronic/pathology
- Humans
- Immunohistochemistry
- Kaplan-Meier Estimate
- Liver Cirrhosis/metabolism*
- Liver Cirrhosis/mortality
- Liver Cirrhosis/pathology
- Liver Neoplasms/metabolism*
- Liver Neoplasms/mortality
- Liver Neoplasms/pathology
- Male
- Middle Aged
- Vascular Endothelial Growth Factor A/metabolism*

Author Keywords:

- Chronic hepatitis
- Cyclooxygenase-2
- Hepatocellular carcinoma
- Liver cirrhosis
- Vascular endothelial growth factor



- KoreaMed의 경우 저자키워드가 주제어 검색을 대신해옴
- Author keywords 5개가 모두 KoreaMed MeSH Terms나 entry terms와 일치된 사례임
- MEDLINE 학술지 15종 대상 일치율 조사 결과 평균 54% 완전일치율을 보임

Author Keywords 분석

MeSH 용어와 Author Keywords 일치도 관련 연구

- 가정의학회지, 1992-1997년
- Author Keywords : 897종류
 - MeSH 일치 : 161개 (17.9%)
 - 단, 복수 등 부분일치: 34개(3.8%)
 - MeSH 불일치 : 702개(78.2%)
- 결론
 - MeSH와 부합하지 않음
 - 주제어 자체가 논문의 내용을 정확히 반영하지 못하는 경우가 있음

김병성, 김수영. 가정의학회지 논문의 영어 주제어 선택에 있어서 MeSH 용어 사용여부와 선택 정확도. 가정의학회지 1998. 19(7) 531-537

MeSH 용어와 Author Keywords 일치도 관련 연구

- 1993-2010년
- 대한작업치료학회지 논문 346편
- Author Keywords : 1,225개
 - MeSH 일치 : 225개 (20.8%)
 - 단, 복수 등 부분일치: 377개(30.8%)
 - MeSH 불일치 : 593개(48.4%)

박수현, 박경영. 대한작업치료학회지 논문의 영문 주제어와 MeSH 용어의 비교분석. 대한작업치료학회지 2011. 19(4) 131-145

Author Keywords 분석결과

- MeSH 용어에 대한 이해 부족
- 연구의 내용을 나타내는 Main Topics 이외의 용어 사용
 - Check tags : 연령, 성별, 연구재료 ex) child
 - Publication Types : systematic reviews
 - Study Design 관련 용어: cohort studies
 - 지리표목 ex) Korea
 - 약어사용 ex) STEM (Scanning Transmission Electron Microscopy)

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Languages Species Gender

English Korean

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- Editorial
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- In Vitro
- Letter
- Meeting Abstract
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- Toxicology

Ages

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- Type and cause of liver disease in Korea: single-center experience, 2005-2010.**
Lee SS, Byoun YS, Jeong SH, Kim YM, Gil H, Min BY, Seong MH, Jang ES, Kim JW.
Clin Mol Hepatol. 2012 Sep;18(3):309-315. English. <http://dx.doi.org/10.3350/cmh.2012.18.3.309>
- Iatrogenic Injury in the Lateral Segment of the Liver after Pancreatoduodenectomy: Early Follow-Up CT Features**
Kim Y, Yu JS, Chung JJ, Kim JH, Cho ES, Ahn JH, Kim KW.
J Korean Soc Radiol. 2012 May;66(5):451-457. English.
- Nutrition and Chronic Liver Disease.**
Jun DW.
Hanyang Med Rev. 2011 Nov;31(4):228-234. Korean. <http://dx.doi.org/10.7599/hmr.2011.31.4.228>
- Association between Hepatitis B Virus X Gene Mutations and Clinical Status in Patients with Chronic Hepatitis B**
Cho EY, Choi CS, Cho JH, Kim HC.
Gut Liver. 2011 Mar;5(1):70-76. English. <http://dx.doi.org/10.5009/gnl.2011.5.1.70>
- The Association Chronic Liver Diseases with Health Related Behaviors in South Korea.**
Lim J, Kim S, Ke S, Cho B.
Korean J Fam Med. 2010 Apr;31(4):302-307. Korean. <http://dx.doi.org/10.4082/kjfm.2010.31.4.302>
- Clinical application of stem cells in liver diseases.**
Bae SH.
Korean J Hepatol. 2008 Sep;14(3):309-317. Korean. <http://dx.doi.org/10.3350/kjhep.2008.14.3.309>
- A Case Report of a Ciliated Hepatic Foregut Cyst in the Liver.**
Oh KC, Park WK, Jang JC, Choi JH, Lee DS, Kim KR.
J Korean Radiol Soc. 2008 Jan;58(1):87-90. Korean.

Author Keywords:

- Diagnosis
- Etiology, Korea
- Liver disease

Subheading, Geographicals를 Author Keywords로 선정한 사례

Author keywords list according to the frequency of appearance

<Table 1> MeSH and non-MeSH keywords list from the Journal of Korean Academy of Nursing published from February 2003 (Vol. 33 No. 1) to October 2005 (Vol 35, No. 6) according to the frequency of appearance

Order	frequency	MeSH keywords	Non-MeSH Keywords
1	35	Depression	
2	28		Elderly
3	20	Stress	
4	18	Self efficacy	
5	16	Quality of life	
6	14	Exercise	
7	13	Women	Middle-aged women
9	11	Dementia	
10	10	Health promotion, Health status, Social support	
13	8	Aged, Attitude, knowledge, Qualitative research	Evaluation
18	7	Fatigue, Self-esteem	Adolescents, Cancer, Coping,
23	6	Adolescent	
24	5	Pain, Screening, Smoking, Type II Diabetes Mellitus	Home care, Nurse
30	4	Acupressure, Anger, Aromatherapy, Body composition, Cognition, Communication, Health behavior, [infant] Internet, Korean, Mental health, Nurses, Nursing, Nursing students, Patients, Postpartum depression, Program development, Risk factors, Role, Smoking cessation	Breast cancer, Health belief, San-Yin-Jian(SP-6), Serum Lipid
55	3	Aggression, Anxiety, Behavior, Behavior modification, Breast self-examination, Caregivers, Compliance, Dysmenorrhea, Feminism, Health, Health education, Hemophilia, Long-term care, Low birth weight Infant, Meta-analysis, Nursing education, Nutritional status, Problem solving, Structural model, Validity	Attachment, Bone mineral density, Cancer patient, Coping behavior, Fall, Family caregiver, High-Risk, Hope

연령관련 용어가 많음

Jeong GH, Ahn YM, Cho DS Coincidence Analysis of Keywords of the Journal of Korean Academy of Nursing with MeSH. J Korean Acad Nurs. 2005 ;35(7):1420-1425

제목, 초록, 저자키워드를 핵심단어로 작성해야 하는 이유

- 독자
 - 전문(full text)을 읽기보다는 초록을 읽음
 - 초록보다는 논문의 제목만 읽는 독자가 더 많음
 - 서지데이터베이스
 - 제목, 초록, 저자키워드를 대상으로 색인어 추출
 - 검색어와 매칭되는 색인어를 검색결과로 추출
- => 저자 혹은 편집위원회는 제목, 초록, 저자키워드를 핵심단어로 작성하고 있는가?

PubMed Author Keywords & MeSH

Author keywords can be searched untagged or using the Other Term [OT] or Text Words [TW] tags.

- MEDLINE 저널: MeSH로 색인함
- MEDLINE 학술지의 경우 MeSH로 색인되는데 소요되는 시간이 1개월 이상임

Display Settings: Abstract

Korean Circ J. 2013 Oct;43(10):699-701. Epub 2013 Oct 30.

Very Early Onset of Amiodarone-Induced Pulmonary Toxicity.

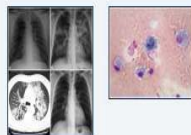
Lee W, Ryu DR, Han SS, Ryu SW, Cho BR, Kwon H, Kim BR.
Department of Internal Medicine, Kangwon National University Hospital, Chuncheon, Korea.

Abstract
Amiodarone is a widely used antiarrhythmic agent. Among its various adverse effects, amiodarone-induced pulmonary toxicity (APT) is the most life threatening complication, which has been described mostly in patients who have been in treatment with high accumulative doses for a long duration of time. However, amiodarone therapy in short-term duration induced APT was rarely reported. We describe a case of a 54-year-old man who is presented with symptoms of APT after a few days of therapy for post-myocardial infarction ventricular tachycardia. For early diagnosis and successful treatment, awareness and high suspicion of this rare type of early onset APT is crucial in patients with amiodarone therapy.

KEYWORDS: Amiodarone, Arrhythmias, cardiac, Drug toxicity, Myocardial infarctions

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Amiodarone-induced alveolar haemorrhage: a rare complication of a cor [Heart Lung Circ.
Long-term low-dose amiodarone therapy in management of ventricular an [Clin. Cardiol.
Amiodarone induced pneumonitis and hyperthyroidism: cas [Pol Arch Med Wiewn.
Review [Early diagnosis of amiodarone-induced pulmonary toxicity, are rep [Ugeskr Laeger.
Review The role of intravenous amiodarone in the management of cardiac [Ann Intern Med.

See rev
Se

PubReader

Only PMC 저널: MeSH로 색인하지 않음
우리나라 PMC 학술지 66종
-> Author Keywords의 선정이 중요함

서지 DB에서 논문이 검색되게 하려면 ?

- **“DB에서 쉽게 검색될 수 있도록 핵심단어를 사용해 제목, 초록, 저자키워드 작성”**
- **“MeSH, 관련분야 용어집을 참고하여 통제된 어휘로 저자키워드를 작성”**

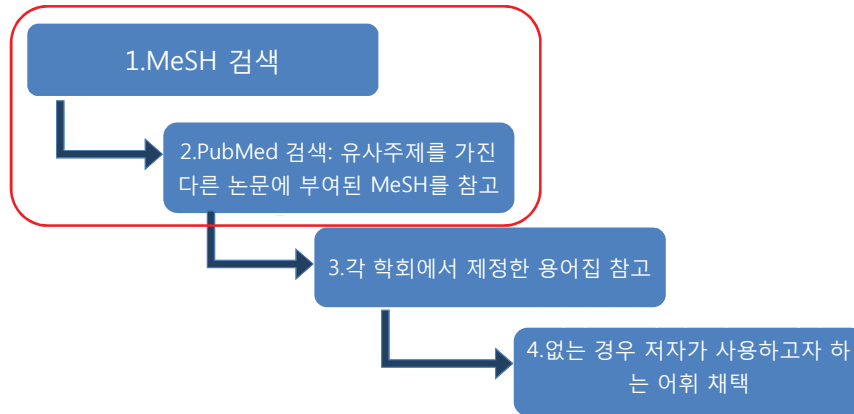
검색에 유용한 Author Keywords 작성

Author Keywords

- 3-10개의 주제어 작성
- 연구의 내용을 가장 잘 표현할 수 있는 단어 선정
- 모두 제목에 나타나는 수준의 단어로 선정
- MeSH 사용 (학술지의 투고규정에 정함)

홍성태. 의학논문 매력있게 쓰자. 서울 : 서울대학교출판문화원, 2012.

Author Keywords 어휘선정



NLM MeSH 활용

Medical Subject Headings (MeSH)

- 미국 국립의학도서관 (National Library of Medicine, NLM) 구축
- 통제어휘집, 주제명 사전 혹은 시소러스
- MeSH의 주표목 23,000여개
- 매년 갱신
- www.ncbi.nlm.nih.gov/mesh
- MeSH 추천:
<https://www.nlm.nih.gov/mesh/meshsugg.html>

MeSH, 2013

- There are **26,853 descriptors** in 2013 MeSH. There are also over **213,000 entry terms** that assist in finding the most appropriate MeSH Heading
- MeSH files are updated every week on Sunday (Supplementary Concepts)

MeSH 유형

- Descriptors
 - Main Headings
 - Publication Types
 - Geographicals
 - Check Tags
- Subheading (=Qualifiers)
- Supplementary Concepts

MeSH Categories



1. Anatomy [A]
2. Organisms [B]
3. Diseases [C]
4. Chemicals and Drugs [D]
5. Analytical, Diagnostic and Therapeutic Techniques and Equipment [E]
6. Psychiatry and Psychology [F]
7. Phenomena and Processes [G]
8. Disciplines and Occupations [H]
9. Anthropology, Education, Sociology and Social Phenomena [I]
10. Technology, Industry, Agriculture [J]
11. Humanities [K]
12. Information Science [L]
13. Named Groups [M]
14. Health Care [N]
15. Publication Characteristics [V]
16. Geographicals [Z]

MeSH Tree Structures

- Neoplasms [C04]
 - Neoplasms by Site [C04.588]
 - Abdominal Neoplasms [C04.588.033] +
 - Anal Gland Neoplasms [C04.588.083]
 - Bone Neoplasms [C04.588.149] +
 - Breast Neoplasms [C04.588.180]
 - Breast Neoplasms, Male [C04.588.180.260]
 - Carcinoma, Ductal, Breast [C04.588.180.390]
 - Hereditary Breast and Ovarian Cancer Syndrome [C04.588.180.483]
 - Inflammatory Breast Neoplasms [C04.588.180.576]
 - Digestive System Neoplasms [C04.588.274] +

MeSH Browser

- The **MeSH browser** is an online vocabulary look-up aid available for use with MeSH®. The browser does not link directly to any MEDLINE or other database retrieval system and thus is not a substitute for the PUBMED system
- (<http://www.nlm.nih.gov/mesh/MBrowser.html>)


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MeSH Browser (2013 MeSH):
 The files are updated every week on Sunday.
[Go to 2012 MeSH](#)

Search:

Search Options:

All

Main Headings

Qualifiers

Supplementary Concepts

MeSH Unique ID

Text words in Annotation & Scope Note

Search in these fields of chemicals:

Heading Mapped To (HM) (Supplementary List)


Indexing Information (II) (Supplementary List)

Pharmacological Action (PA)

CAS Registry/EC Number/UNII Code (RN)

Related Registry Number (RR)


[About MeSH Browser](#) | [MeSH Home Page](#) | [Questions or Comments](#)



[Return to Entry Page](#)
[Go to Concept View](#); [Go to Expanded Concept View](#)

Main Heading

MeSH Heading	Diabetes Mellitus, Type 2 표목
Tree Number	C18.452.394.750.149 계층번호
Tree Number	C19.246.300
Scope Note	A subclass of DIABETES MELLITUS that is not INSULIN -responsive or dependent (NIDDM). It is characterized initially by INSULIN RESISTANCE and eventually by GLUCOSE INTOLERANCE ; HYPERGLYCEMIA ; and overt diabetes. Type II diabetes mellitus is no longer considered a condition that seldom develop KETOSIS but often exhibit OBESITY . 주석
Entry Term	Diabetes Mellitus, Adult-Onset
Entry Term	Diabetes Mellitus, Ketosis-Resistant
Entry Term	Diabetes Mellitus, Maturity-Onset
Entry Term	Diabetes Mellitus, Non Insulin Dependent
Entry Term	Diabetes Mellitus, Non-Insulin-Dependent 기입어: 동의어, 유의어,
Entry Term	Diabetes Mellitus, Noninsulin Dependent
Entry Term	Diabetes Mellitus, Noninsulin-Dependent
Entry Term	Diabetes Mellitus, Slow-Onset
Entry Term	Diabetes Mellitus, Stable
Entry Term	Diabetes Mellitus, Type II
Entry Term	Maturity-Onset Diabetes
Entry Term	Maturity-Onset Diabetes Mellitus
Entry Term	MODY
Entry Term	NIDDM
Entry Term	Noninsulin-Dependent Diabetes Mellitus
Entry Term	Type 2 Diabetes Mellitus
See Also	Metabolic Syndrome X 관련어
See Also	Rats, Inbred OLETF
Allowable	BL CE CL CN CO DH DL DT EC EH EM EN EP ET GE HL IM ME MI MO NU PA PC PP PS PX RA RH RI RT SU TH UR US VE

허용부표목


NCBI Resources How To

MeSH MeSH Limits Advanced

Display Settings: Full Send to:

Aspirin

The prototypical analgesic used in the treatment of mild to moderate pain. It has anti-inflammatory and antipyretic properties and acts as an inhibitor of cyclooxygenase which results in the inhibition of the biosynthesis of prostaglandins. Aspirin also inhibits platelet aggregation and is used in the prevention of arterial and venous thrombosis. (From Martindale, The Extra Pharmacopoeia, 30th ed, p5)

Year introduced: 1965

PubMed search builder

Subheadings:

- administrative
- adverse effects
- agonists
- analogs and derivatives
- analysis
- antagonists
- blood
- cerebrospinal fluid
- chemical synthesis
- chemistry
- classification
- restriction to MeSH headings
- do not include MeSH terms

Tree Number(s): D02.4
 Registry Number: 59-7
 Entry Terms:

- Acetylsalicylic Acid
- Acetylsalicylic Acid
- Acid, Acetylsalicylic
- 2-(Acetyloxy)benzoic Acid
- Acylpyrin
- Aloxiprimum
- Colfarit
- Dispril
- Easprin
- Ecotrin
- Endosprin
- Magnecyl
- Micristin
- Polopirin
- Polopiryna
- Solprin
- Solupsan
- Zorprin
- Acetysal

Tree Structures

•MeSH Heading이나 Entry terms에서 선정
 •MeSH Tree Structures를 참고하여 용어의 상,하위어를 선정

MeSH 확인후 PubMed 연계검색

NCBI Resources How To Sign In to NCBI

MeSH MeSH Search Save search Limits Advanced Help

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Results: 1 to 20 of 39 Selected: 1

Aspirin

1. The prototypical analgesic used in the treatment of mild to moderate pain. It has anti-inflammatory and antipyretic properties and acts as an inhibitor of cyclooxygenase which results in the inhibition of the biosynthesis of prostaglandins. Aspirin also inhibits platelet aggregation and is used in the prevention of arterial and venous thrombosis. (From Martindale, The Extra Pharmacopoeia, 30th ed, p5)

Year introduced: 1965

Asthma, Aspirin-Induced

2. Asthmatic adverse reaction (e.g., BRONCHOSPASM) to conventional NSAIDS including aspirin use.

Year introduced: 2010

Bleeding Time

3. Duration of blood flow after skin puncture. This test is used as a measure of capillary and platelet function.

Year introduced: 1991(1989)

Anti-Inflammatory Agents, Non-Steroidal

4. Anti-inflammatory agents that are not steroids. In addition to anti-inflammatory actions, they have analgesic, antipyretic, and platelet-inhibitory actions. They are used primarily in the treatment of chronic arthritic conditions and certain soft tissue disorders associated with pain and inflammation. They act by blocking the synthesis of prostaglandins by inhibiting cyclooxygenase, which converts arachidonic acid to cyclic endoperoxides, precursors of prostaglandins. Inhibition of prostaglandin synthesis accounts for their analgesic, antipyretic, and platelet-inhibitory actions. Other mechanisms may contribute to their anti-inflammatory effects. Certain NSAIDs also may inhibit lipoygenase enzymes or TYPE C PHOSPHOLIPASES or may modulate T-cell function. (AMA Drug Evaluations Annual, 1994, p 1814-5)

Year introduced: 1987

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"Aspirin" [MeSH]

Add to search builder AND Search PubMed

Find related data Database: Select Find terms

Search details "aspirin" [MeSH Terms] OR aspirin [Text Word] Search See more...

Related citations in PubMed

The screenshot shows a PubMed article page. The article title is "Aspirin use after diagnosis improves survival in older adults with colon cancer." The authors are Lai SW, Liao KE. The journal is J Am Geriatr Soc, 2013 May;61(5):843-4. The PMID is 23672582. The page includes sections for MeSH Terms, Substances, and Related citations in PubMed. A blue box highlights the MeSH terms, and another blue box highlights the related citations. A red box highlights the MeSH terms and related citations sections.

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J Am Geriatr Soc, 2013 May;61(5):843-4. doi: 10.1111/jgs.12236.

Aspirin use after diagnosis improves survival in older adults with colon cancer.

Lai SW, Liao KE.

Comment on
Aspirin use after diagnosis improves survival in older adults with colon cancer: a retrospective cohort study. [J Am Geriatr Soc. 2012]

PMID: 23672582 [PubMed - indexed for MEDLINE]

Publication Types, MeSH Terms, Substances

Publication Types
Comment
Letter

MeSH Terms
[Anti-Inflammatory Agents, Non-Steroidal/therapeutic use*](#)
[Aspirin/therapeutic use*](#)
[Colonic Neoplasms/drug therapy*](#)
[Colonic Neoplasms/mortality*](#)
[Female](#)
[Humans](#)
[Male](#)

Substances
[Anti-Inflammatory Agents, Non-Steroidal](#)
[Aspirin](#)

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Related citations in PubMed
Aspirin use after diagnosis improves survival in older adults with colon [J Am Geriatr Soc. 2013].
Aspirin as colon cancer treatment? [Harv Health Lett. 2013].
Study finds possible role for aspirin as treatment for colon cancer. [BMJ. 2013].
Review [Aspirin, non-steroidal anti-inflammatory age [Gastroenterol Clin Biol. 2013].
Review Aspirin and related nonsteroidal anti-inflammatory drugs as chemopreventive agents [Prev Med. 2013].
See review
See

PubMed 간략 서지정보의 MeSH 참고

Related citations in PubMed의 유사논문에 부여된 MeSH 참고

Aspirin after heart attack or stroke. [PubMed]

MeSH Search in KoreaMed

Advanced Search

Advanced Search의 "MeSH" 검색

Search fields: Date, Volume, Issue, First page, Author Initial (e.g., Jang YS), Author Full Name (e.g., Jang, Young Shil), Corporate Author Name, Substances, Supplementary Concepts, Author Key Word, Publication Type, Article Title, Abstract.

MeSH Search Results:

- Egg Allergy (highlighted with a red box)
- Egg Allergies (highlighted with a red box)
- Egg Allergy (highlighted with a red box)
- Egg Count, Parasite
- Egg Counts, Parasite
- Egg drop syndrome virus
- Egg Hypersensitivities
- Egg Hypersensitivity [MH] (highlighted with a red box)
- Egg Proteins [MH]
- Egg Proteins, Dietary [MH]
- Egg Shell [MH]

Annotations:

- Blue box: Show index List를 클릭하면 Entry Terms와 MeSH Heading이 display됨
- Red box: Entry Terms
- Blue box: MeSH Heading

Buttons: Go, Clear

"egg allergy" MeSH 검색결과

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Search KoreaMed for "Egg Hypersensitivity" [MeSH] Go Clear Limits

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1. The Clinical Usefulness of IgE Antibodies Against Egg White and Its Components in Korean Children.
Min TK, Jeon YH, Yang HJ, Pyun BY.
Allergy Asthma Immunol Res. 2013 May;5(3):138-142. English. <http://dx.doi.org/10.4168/air.2013.5.3.138>
2. Can Allergen-Specific IgE Antibodies Diagnose Egg Allergy Accurately?.
Kim KW, Kim KE.
Allergy Asthma Immunol Res. 2013 May;5(3):117-118. English. <http://dx.doi.org/10.4168/air.2013.5.3.117>
3. If you submit a "MeSH entry term", it will be automatically mapped to a corresponding "MeSH term" and KoreaMed will search for records with the proper MeSH term. (e.g., Flu vaccines --> influenza vaccines; Egg allergy --> Egg Hypersensitivity.)
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Immune Netw. 2009 Feb;9(1):12-19. English.
Published online 2009 February 28. <http://dx.doi.org/10.4110/in.2009.9.1.12>
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Heme Oxygenase-1: Its Therapeutic Roles in Inflammatory Diseases
Hyun-Ock Pae and Hun-Taeg Chung[✉]
Department of Microbiology and Immunology, Wonkwang University School of Medicine, Iksan, Korea.

[✉] Corresponding Author. Tel: 82-63-850-6762; Fax: 82-63-851-5066; Email: htchung@wku.ac.kr
Received January 21, 2009; Accepted January 26, 2009.

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Abstract

Heme oxygenase-1 (HO-1) is an inducible enzyme that catalyzes the oxidative degradation of heme into ferrous iron, carbon monoxide (CO), and biliverdin (BV), the latter being subsequently converted into bilirubin (BR). HO-1, once expressed during inflammation, forms high concentrations of its enzymatic by-products that can influence various biological events, and this expression is proven to be associated with the resolution of inflammation. The degradation of heme by HO-1 itself, the signaling actions of CO, the antioxidant properties of BV/BR, and the sequestration of ferrous iron by ferritin all concertedly contribute to the anti-inflammatory effects of HO-1. This review focuses on the anti-inflammatory mechanisms of HO-1 actions and its roles in

Abstract Article PubReader PDF Figures + Tables References



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Immune Netw., 2009 Feb;9(1):12-9. doi: 10.4110/in.2009.9.1.12. Epub 2009 Feb 28.

Heme oxygenase-1: its therapeutic roles in inflammatory diseases.

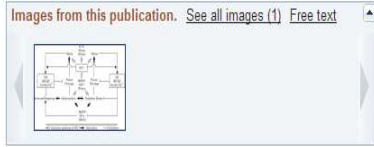
Pae HO, Chung HT.
Department of Microbiology and Immunology, Wonkwang University School of Medicine, Iksan, Korea.


Abstract
Heme oxygenase (HO)-1 is an inducible enzyme that catalyzes the first and rate-limiting step in the oxidative degradation of free heme into ferrous iron, carbon monoxide (CO), and biliverdin (BV), the latter being subsequently converted into bilirubin (BR). HO-1, once expressed during inflammation, forms high concentrations of its enzymatic by-products that can influence various biological events, and this expression is proven to be associated with the resolution of inflammation. The degradation of heme by HO-1 itself, the signaling actions of CO, the antioxidant properties of BV/BR, and the sequestration of ferrous iron by ferritin all concertedly contribute to the anti-inflammatory effects of HO-1. This review focuses on the anti-inflammatory mechanisms of HO-1 actions and its roles in inflammatory diseases.

KEYWORDS: bilirubin/biliverdin, carbon monoxide, heme oxygenase-1, inflammation, mitogen-activated protein kinase, nuclear factor E2-related factor-2

PMID: 20107533 [PubMed] PMID: PMC2803295 [Free PMC Article](#)



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- [Integrative survival response evoked by heme oxygenase-1](#) [J Clin Biochem Nutr. 2008]
- [Review Heme oxygenase-1 expression in disease states](#) [Acta Biochim Pol. 2005]
- [Review Products of heme oxygenase and carbon monoxide](#) [Am J Physiol Renal Physiol. 2006]
- [Review Heme oxygenase-1 and carbon monoxide in pulmonary disease](#) [Respir Res. 2003]
- [Review The heme oxygenase system: a novel therapeutic target in cardiovascular and cerebral diseases](#) [Circ Res. 2005]

Display Settings: Abstract Send to:  

Acta Biochim Pol. 2005;52(2):273-84. Epub 2005 May 31.

Heme oxygenase-1 expression in disease states.

Deshane J, Wright M, Agarwal A.
Department of Medicine, Nephrology Research and Training Center, Division of Nephrology, University of Alabama at Birmingham, Birmingham, AL, USA.

Abstract
Heme oxygenase-1 (HO-1) is an enzyme which catalyzes the rate-limiting step in heme degradation resulting in the formation of iron, carbon monoxide and biliverdin, which is subsequently converted to bilirubin by biliverdin reductase. The biological effects exerted by the products of this enzymatic reaction have gained much attention. The anti-oxidant, anti-inflammatory and cytoprotective functions associated with HO-1 are attributable to one or more of its degradation products. Induction of HO-1 occurs as an adaptive and beneficial response to several injurious stimuli including heme and this inducible nature of HO-1 signifies its importance in several pathophysiological disease states. The beneficial role of HO-1 has been implicated in several clinically relevant disease states involving multiple organ systems as well as significant biological processes such as ischemia-reperfusion injury, inflammation/immune dysfunction and transplantation. HO-1 has thus emerged as a key target molecule with therapeutic implications.

PMID: 15933765 [PubMed - indexed for MEDLINE] [Free full text](#)

Publication Types, MeSH Terms, Substances

Publication Types
[Review](#)

MeSH Terms

- [Animals](#)
- [Heme/metabolism*](#)
- [Heme Oxygenase-1/metabolism](#)
- [Heme Oxygenase-1/physiology*](#)
- [Humans](#)
- [Inflammation/enzymology](#)
- [Reperfusion Injury/enzymology](#)

Substances
[Heme](#)
[Heme Oxygenase-1](#)

Related citations in PubMed

- [Review Hemoxxygenase-1 in cardiovascular disease](#) [J Am Coll Cardiol. 2005]
- [Review Heme oxygenase and the kidney](#) [DNA Cell Biol. 2005]
- [Review Heme oxygenase and renal disease](#) [Curr Hypertens Rep. 2005]
- [Review Heme oxygenase-1 as a protective factor in hypertension](#) [Wien Klin Wochenschr. 2005]
- [Review Therapeutic applications of biliverdin reductase](#) [Antioxid Redox Signal. 2005]

Cited by 10 PubMed Central articles

- Hemeoxygenase-1 mediates an adaptive response to oxidative stress [Oxid Med Cell Longev. 2011]
- Up-regulation of Heme Oxygenase-1 by Korean Red Ginseng [J Ginseng Res. 2011]
- Inhaled carbon monoxide provides cerebral cytoprotection [PLoS One. 2011]

Related information

Title & Author Keywords & Abstracts

Title & Author Keywords & Abstracts

- 저자가 기술하는 단어, 어구, 문장의 종류, 단어의 출현위치 등에 의해 검색여부가 결정됨
- 제목에 채택되지 않은 중심개념은 저자키워드로 추가
- 저자키워드로 채택되지 않은 중심개념은 초록에 기술
- 연구재료의 성별, 종별, 연령, 동물명등은 초록의 <연구 재료와 방법>에 함축적으로 요약

Age Groups

- Newborn: birth-1 mo
- Infant: 1-23 mo
- Preschool Child: 2-5 yr
- Child: 6-12 yr
- Adolescent: 13-18 yr
- Young Adult: 19-24 yr
- Adult: 19-44 years
- Middle Aged: 45-64 yr
- Aged: 65+ yr
- 80 and over: 80+ yr

예) "10 patients (7 males and 3 females; 68 years and 48 to 78 years, respectively)"

-> 색인: Humans, Male, Female, Middle Aged, Aged

예) "58-yr old man", "14-yr old girl"과 같이 정형화된 어구 사용

Animals

- 동물실험의 경우 연구대상이 되는 동물명을 정확하게 초록에 기술할 필요가 있음

Sprague-Dawley rats, Hamsters, Dogs

예) hepatic damage induced by carbon tetrachloride in **Sprague-Dawley rats**

Geographical

- 지리명 (Geographical)
Korea, Seoul 등

예) The study subjects were 30~80years old, 513 women living in **Seoul** and **Kyunggi area** who participated in 2011 KNHANES

Study Designs

- Randomized Controlled Trial
- Retrospective Studies
- Cohort Studies
- Case Control Studies
- Multicenter Study

- 예) Combined treatment with headgear and the Frog appliance for maxillary molar distalization: **a randomized controlled trial**

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Species

- Humans
- Other Animals

Languages

- English
- More ...

Sex

- Female
- Male

Subjects

- AIDS
- Cancer
- Systematic Reviews
- More ...

Ages

- Child: birth-18 years
- Infant: birth-23 months

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- [Identification of Maillard reaction products on peanut allergens that influence binding to the receptor for advanced glycation end products.](#)
 Mueller GA, Maleki SJ, Johnson K, Hurlburt BK, Cheng H, Ruan S, Nesbit JB, Pomés A, Edwards LL, Schorzman A, Deterding LJ, Park H, Tomer KB, London RE, Williams JG. Allergy. 2013 Nov 23. doi: 10.1111/all.12281. [Epub ahead of print] PMID: 24266677 [PubMed - as supplied by publisher] [Related citations](#)
- [Analysis of Microsatellite Polymorphisms in South Indian Patients with Non Syndromic Cleft Lip and Palate.](#)
 Xavier D, Arif Y, Murali R, Kishore Kumar S, Vipin Kumar S, Tamang R, Thangaraj K, Bhaskar L. Baikan J Med Genet. 2013 Jun;16(1):49-54. PMID: 24265584 [PubMed - as supplied by publisher] [Free PMC Article](#) [Related citations](#)
- [Synthetic phosphoethanolamine has in vitro and in vivo anti-leukemia effects.](#)
 Ferreira AK, Santana-Lemos BA, Rego EM, Filho OM, Chierice GO, Maria DA. Br J Cancer. 2013 Nov 26;109(11):2819-28. doi: 10.1038/bjc.2013.510. Epub 2013 Nov 7. PMID: 24201752 [PubMed - in process] [Related citations](#)
- [Validation and Implementation of Targeted Capture and Sequencing for the Detection of Actionable Mutation, Copy Number Variation, and Gene Rearrangement in Clinical Cancer Specimens.](#)
 Pritchard CC, Salpante SJ, Koehler K, Smith C, Scroggins S, Wood B, Wu D, Lee MK, Dintzis S, Adey A, Liu Y, Eaton KD, Martins R, Stricker K, Margolin KA, Hoffman N, Churpek JE, Tait JF, King MC, Walsh T. J Mol Diagn. 2013 Nov 2. doi:pil: S1525-1578(13)00217-1. 10.1016/j.jmoldx.2013.08.004. [Epub ahead of print] PMID: 24189654 [PubMed - as supplied by publisher] [Related citations](#)
- [Immunostaining for Rapid Diagnosis of Acute Promyelocytic Leukemia with the Tetramethylrhodamine -5-Isothiocyanate-Conjugated Anti-Promyelocytic Leukemia Monoclonal Antibody P-G-M3.](#)

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- Humans Animals

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Journal Categories

- Dental Journals
- Nursing Journals
- Nutrition Journals
- Veterinary Science Journals

Subjects

- Cancer
- Toxicology

Ages

- All Infant: birth-23 months
- All Child: 0-18 years
- All Adult: 19+ years
- Newborn: birth-1 month
- Infant: 1-23 months
- Preschool Child: 2-5 years

Type of Article

- Brief Communication
- Case Reports
- Clinical Trial
- Comment
- Comparative Study
- Editorial
- Evaluation Studies
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Substances 단어가 MeSH/Substances 필드에 색인된 사례

Eur. J. Pharmacol. 1993 Jul 20;238(2-3):357-67.

5-HT1A autoreceptor-mediated effects of the amperozide congeners, FG5866 and FG5893, on rat brain 5-hydroxytryptamine neurochemistry in vivo.

Hjorth S, Pettersson G.

Source: Department of Pharmacology, University of Göteborg, Sweden.

Abstract

The two diphenylbutylpiperazinepyridinyl derivatives, FG5866 and FG5893, have a unique receptor binding profile in that they show very high and essentially equipotent affinities for both 5-HT1A and 5-HT2 receptors. The present report describes the acute effects of FG5866 and FG5893 on presynaptic 5-hydroxytryptamine (5-HT) neuronal function in the rat CNS, using established ex vivo and in vivo neurochemical techniques. Post-mortem measurements of tissue levels of 5-HT, its metabolite, 5-hydroxyindoleacetic acid (5-HIAA), and of the formation of 5-hydroxytryptophan (5-HTP, after inhibition of aromatic amino acid decarboxylase by NSD 1016) showed that FG5866 (0.1-20 mg/kg, s.c.) and FG5893 (0.1-20 mg/kg, s.c.) dose dependently decreased the synthesis and the metabolism/turnover of 5-HT to an extent comparable to the reference 5-HT1A receptor agonist 8-hydroxy-2-(di-n-propylamino)tetralin. Reserpine (6 mg/kg, s.c.) pretreatment did not prevent the FG5866-induced decrease of 5-HT synthesis rate. In contrast, about 25-50 times higher doses of FG5866 were required to produce a comparable decrease in brain 5-HT synthesis in reserpinized vs. non-pretreated rats. In vivo microdialysis experiments, both FG5866 (0.1-3.0 mg/kg, s.c.) and FG5893 (0.03-1.0 mg/kg, s.c.) caused a marked and dose-dependent decrease of 5-HT release in the ventral hippocampus. Pretreatment with the 5-HT1A receptor antagonist, (+/-)-pindolol (8 mg/kg, s.c.), abolished the FG5866 (0.3 mg/kg, s.c.)-induced reduction of 5-HT release, and (-)-pindolol (8 mg/kg, s.c.) similarly reversed the FG5893 (0.3 mg/kg, s.c.)-induced decrease. Local infusion of FG5866 into the ventral hippocampus (10 micromol, 20-min pulse) resulted in a rapid and transient elevation of the 5-HT output, an effect that was independent of extracellular Ca2+. FG5893, on the other hand, did not affect the 5-HT release upon local administration. The results demonstrate that FG5866 and FG5893 potentially affect a range of neurochemical indices of rat brain 5-HT neuronal activity in vivo, in a way consistent with indirect FG5866 and direct FG5866 and FG5893 stimulation of the 5-HT1A autoreceptors in the raphe nuclei.

MeSH Terms

Animals
Brain/drug effects
Brain/metabolism*
Calcium/pharmacology
Citalopram/pharmacology
Hippocampus/drug effects
Hydroxyindoleacetic Acid/metabolism
Male
Neurons/drug effects
Neurons/metabolism
Nicotinic Acids/pharmacology*
Piperazines/pharmacology*
Raphae nuclei/drug effects
Raphae Nuclei/metabolism
Rats
Rats, Sprague-Dawley
Receptors, Serotonin/drug effects
Receptors, Serotonin/metabolism*
Reserpine/pharmacology
Serotonin/metabolism*
Serotonin Antagonists/pharmacology*
serotonin Receptor Agonists/pharmacology*

Substances
Nicotinic Acids
Piperazines
Piperazine, Serotonin
Serotonin Antagonists
Serotonin Receptor Agonists
amperozide
FG 5893
FG 5866
Reserpine
Serotonin
Hydroxyindoleacetic Acid
Citalopram
Calcium

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Substances 단어가 MeSH/Substances 필드에 색인된 사례

- Gene Expression
- Granulocyte Precursor Cells
- Granulocytes
- Humans
- Intercellular Adhesion Molecule-1
- Leukemia, Promyelocytic, Acute
- Nitroblue Tetrazolium
- Oxides
- Phosphotransferases
- Pyrimidines
- Tretinoin
- src-Family Kinases

Substances:

- AG 1879
- Arsenic
- Arsenicals
- Cathepsin D
- Intercellular Adhesion Molecule-1
- Nitroblue Tetrazolium
- Oxides
- Phosphotransferases
- Pyrimidines
- Tretinoin
- arsenic trioxide
- src-Family Kinases

Author Keywords:

- Acute promyelocytic leukemia
- All-trans-retinoic acid
- Arsenic trioxide
- Cell differentiation
- Src kinase

4143/ert.2013.45.2.126

All-Trans-Retinoic Acid or Arsenic Trioxide-Induced Differentiation of an Acute

Park HS, Won JH.

Institute for Clinical Molecular Biology Research, Soonchunghang University Hospital, Soonchunghang

differentiation after exposure to retinoic acid and both differentiation and apoptosis after exposure to src-family kinases (SFKs) resulted in enhancement of retinoic acid-induced myeloid differentiation. In order to determine whether the SFK inhibitor PP2 enhanced the differentiation of NB4 cells when combined with ATRA, we attempted to determine the difference in retinoic acid-induced gene expression between cells treated with ATRA or ATRA combined with PP2. RESULTS: SFK inhibitor PP2 induced significant enhancement of ATRA- or ATO-induced differentiation when PP2 was combined with ATRA than when combined with ATO. Flow cytometric analysis showed that the percentage of CD11b+ cells was up to 60.73% and 31.58%, respectively. These results were confirmed by nitroblue tetrazolium staining. Fluorescence staining revealed that PP2 combined with ATRA or PP2 combined with ATO did not affect cell cycle progression in both groups. Inter-cellular adhesion molecule-1 expression showed a significant increase in cells treated with PP2 in combination with ATO. These results suggest that ATRA-induced differentiation of NB4 cells is not affected by ATO. ATO-induced differentiation of NB4 cells is not affected by ATRA. ATO-induced differentiation of NB4 cells is not affected by ATRA.



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맺음말

- 저자
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 - 핵심단어, MeSH (entry terms포함)로 저자키워드 작성

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