



# PubMed 이용 매뉴얼

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1 핵심질문 설정



2 연구계획서 작성



3 문헌 검색



4 문헌 선택 / 배제



5 문헌 질 평가



6 자료 추출



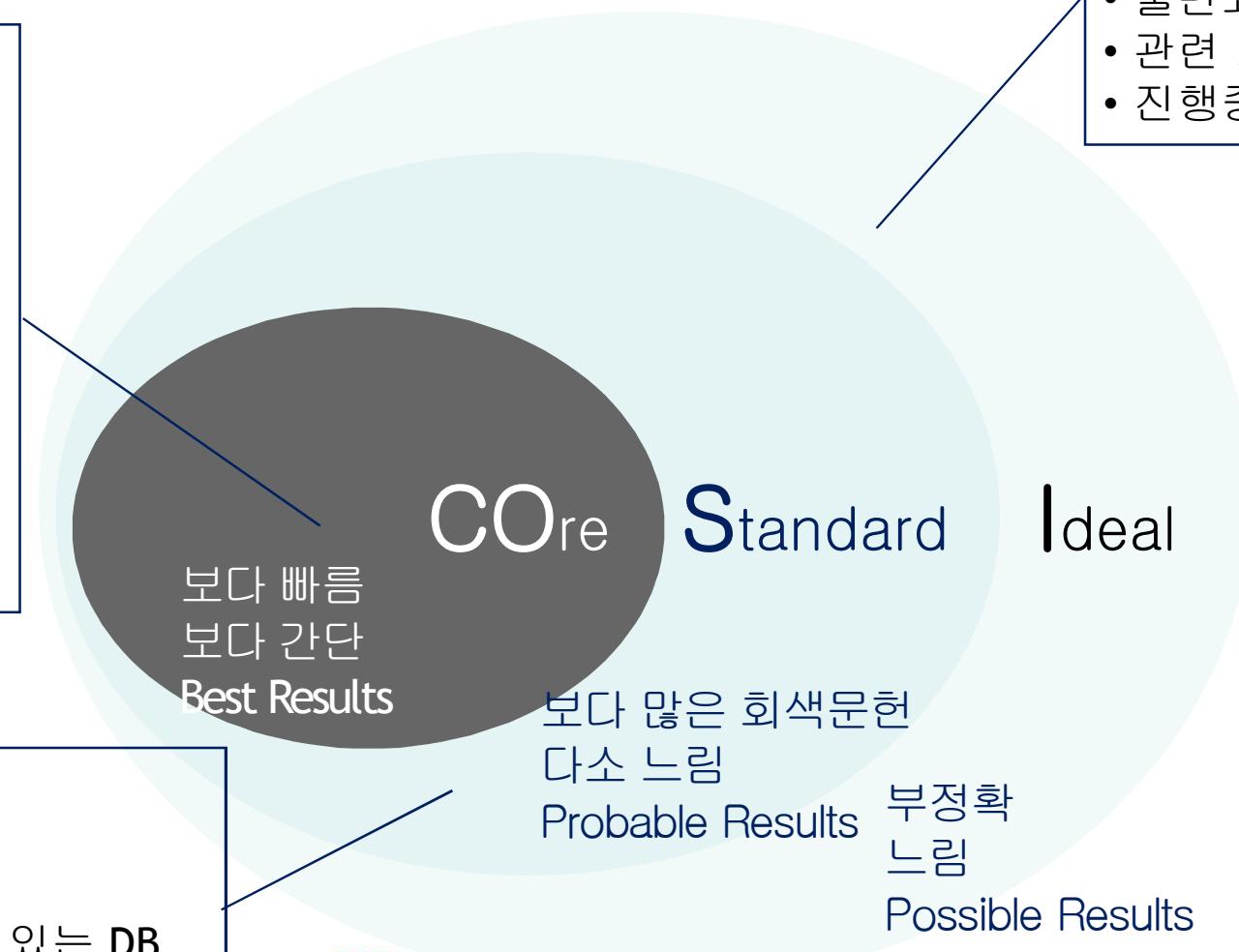
7 결과 분석, 근거해석

# Where to Search? CoSI model

- 국외 DB
  - MEDLINE
  - EMBASE
  - Cochrane CENTRAL

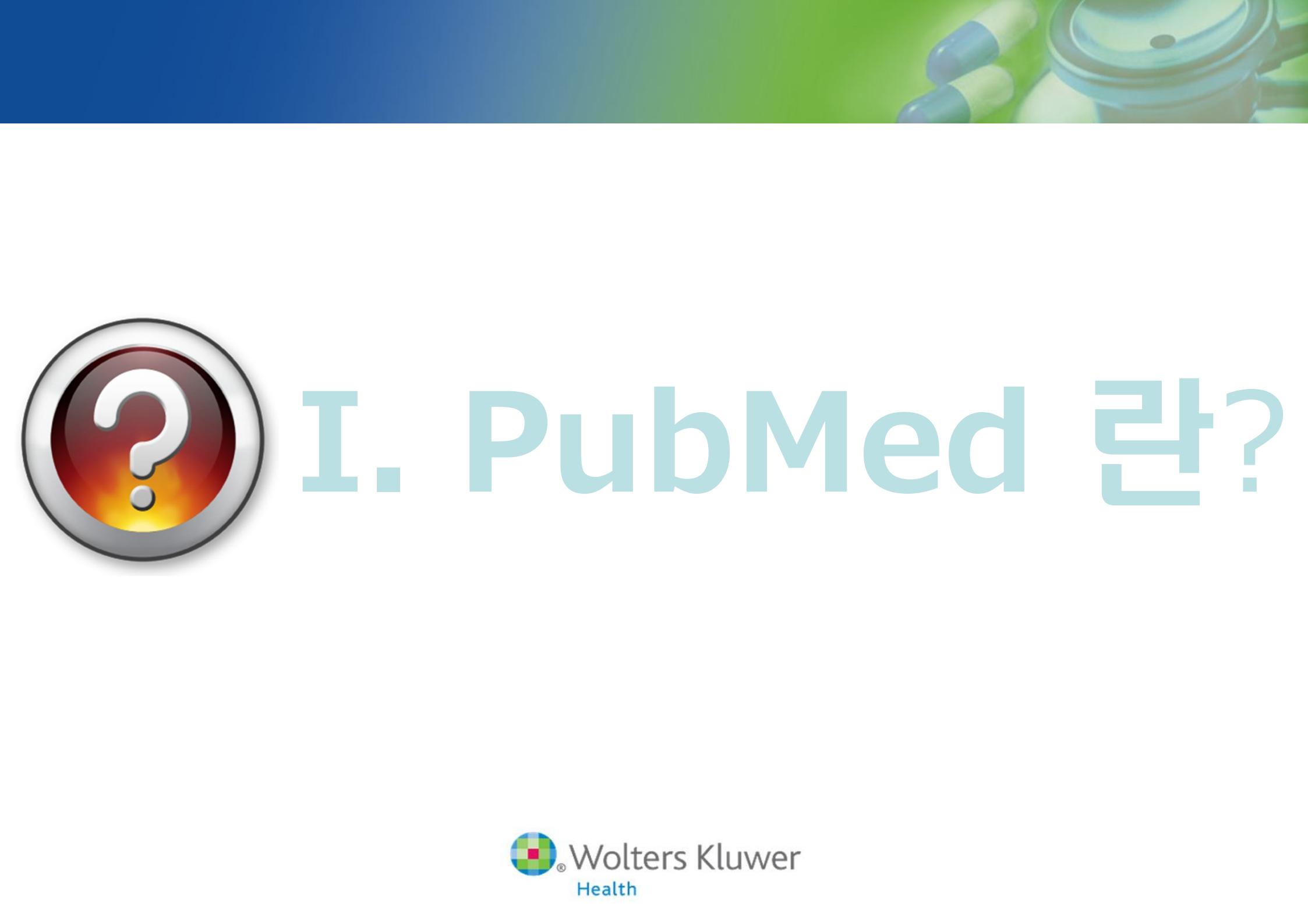
- 국내 DB
  - KoreaMed
  - Kmbase
  - KISS
  - NDSL
  - KSITI

- 전문가 접촉
- 주요저널 수기검색
- 다른 DB
- 주제별로 특성화되어 있는 DB
  - 예 . CINAHL, AMED, PsycInfo, JAMAS 등



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- 학회 초록집
- 회색문헌
- 출판되지 않은 논문
- 관련 회사 접촉
- 진행중인 임상시험



# I. PubMed 란?

# 1.1 PubMed 및 MEDLINE이란?



## 1) PubMed: 의학 문헌 서지정보 검색사이트

1. National Library Medicine의 National Center for Biotechnology Information에서 제작하는 의학 서지정보 검색사이트로 Entrez Database 중 하나입니다.
2. PubMed에 저널을 제공하는 출판사는 저널이 출판될 때마다 혹은 출판되기 이전에 저널정보를 NLM에 제공하므로 최신 의학정보를 PubMed를 통해서 이용할 수 있습니다.
3. 현재 **약 22백만건의 기사의 서지정보**를 검색할 수 있습니다.
4. 서지정보란 해당 기사에 대한 정보로 타이틀, 저자명, 수록 저널명, 초록정보 등을 검색할 수 있으나, 원문(Full Text)은 제공하지 않습니다.
5. 그러나 현재 약 315개 출판사로부터 제공되는 6,939종으로 Full Text를 연결할 수 있어, 이 중 우리기관에서 원문을 제공하는 경우 혹은 Free Full Text로 연결된 원문을 열람할 수 있습니다.
6. **Consumer Health Information, Patient Drug Information 등 관련된 다양한 정보**도 제공합니다.



Coverage: MEDLINE / 일반 과학 및 화학관련 저널 / PubMed Central에 원문을 제공하거나 NLM으로부터 리뷰된 생명과학 저널



## 2) MEDLINE: 의학 서지 데이터베이스

1. PubMed에서 가장 큰 부분(92%가량)을 차지하는 의학 서지 데이터베이스입니다.
2. NLM에서 제공하는 최고 권위의 의학 서지 데이터베이스입니다.
3. 주제: 의학, 수의학, 치의학, 간호학, 보건의학, 생명과학 등 의학관련 전반에 관한 저널의 서지정보를 제공하고 있습니다.
4. 현재 5,600종 이상의 기사를 수록하고 있으며, 1946년부터 현재까지 발간된 기사를 제공하고 있습니다.
5. MEDLINE의 가장 큰 특징은 MeSH라는 MEDLINE만의 "의학분야 통제어휘"를 통해 MEDLINE에 수록된 기사를 효율적으로 검색할 수 있습니다.

1879년

Index Medicus  
(인쇄물)

1964년

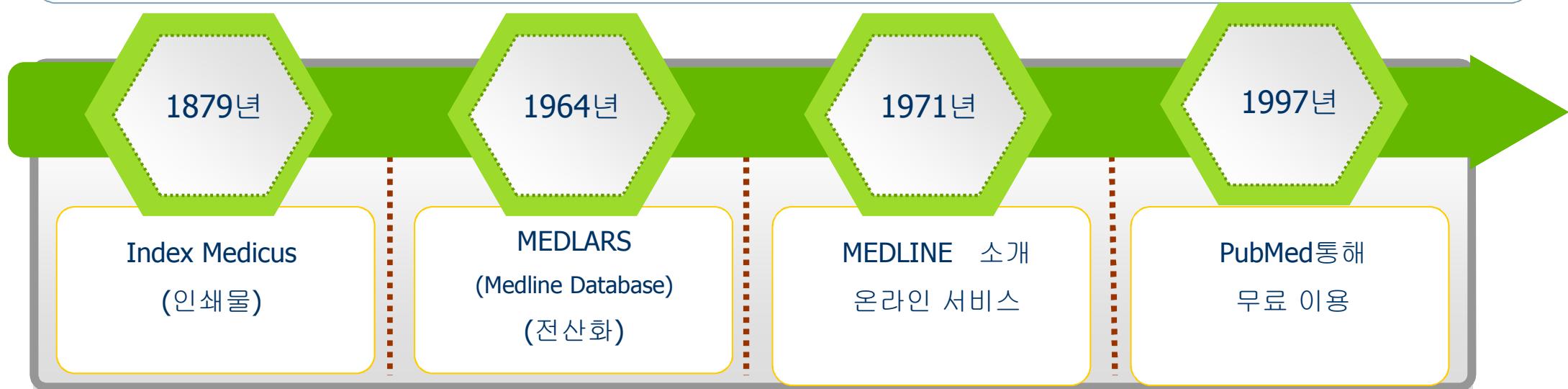
MEDLARS  
(Medline Database)  
(전산화)

1971년

MEDLINE 소개  
온라인 서비스

1997년

PubMed 통해  
무료 이용





### 3) MeSH: 의학 통제어휘 시소러스

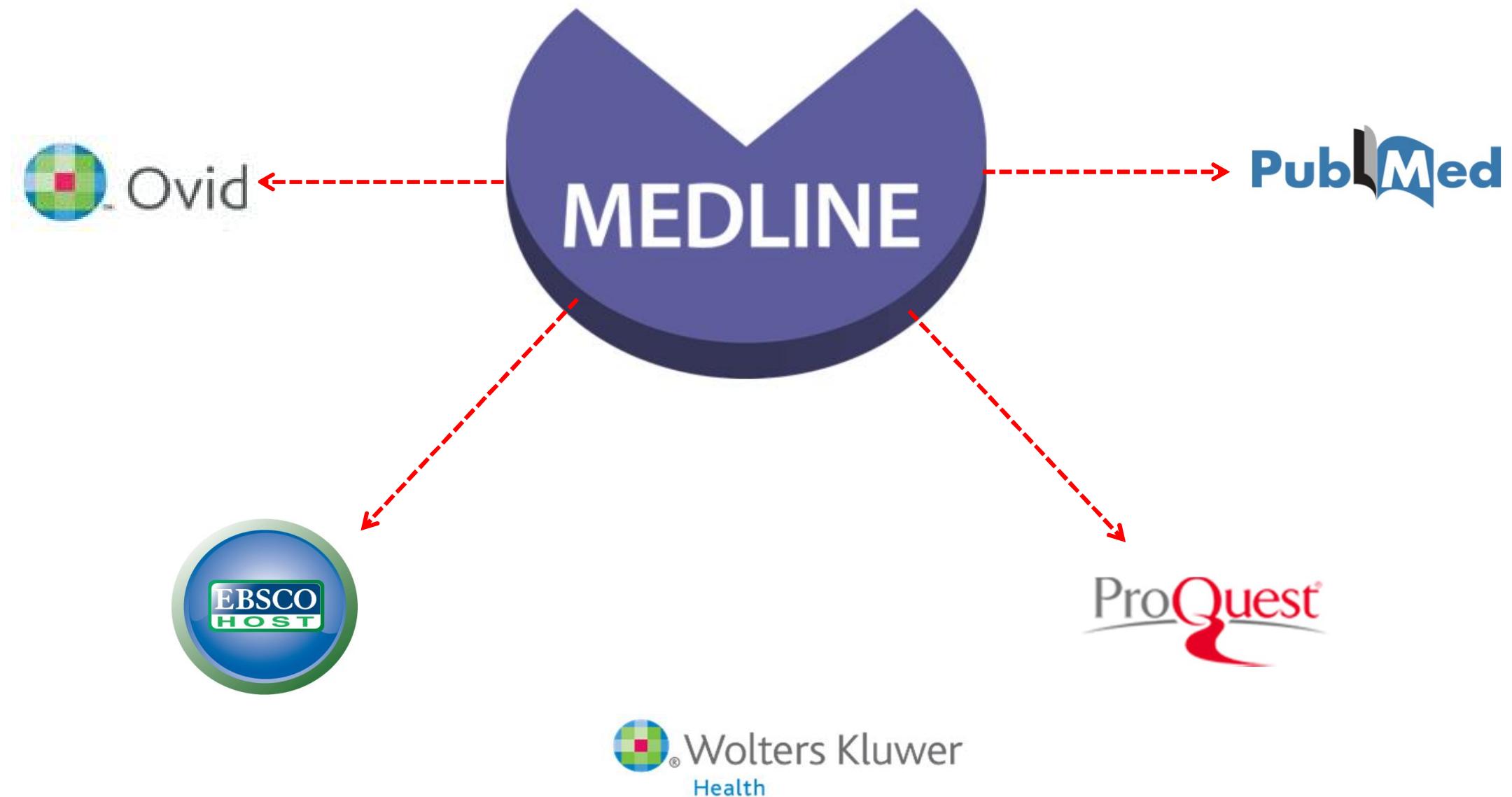
1. NLM에서 제작한 통제어휘 시소러스로 약 50년 가량 사용되며 개정된 MEDLINE만의 특징입니다.
2. MeSH를 통해 다양한 의학 개념 및 의학 문헌의 색인과 목록에 통일성과 일관성이 부여됩니다.
3. MeSH로 인하여 MEDLINE에 수록된 기사가 효율적으로 색인 / 검색될 수 있습니다.
4. 이용자들이 원하는 정보로 쉽게 접근할 수 있도록 도와줍니다.

The screenshot shows three separate MeSH search results:

- Search 1: neoplasm**  
Items 1 - 20 of 196  
1: [Neoplasms](#)  
New abnormal growth of tissue. Metastasis, compared to benign neoplasms. Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965  
2: [Neoplasm Regression, Spontan](#)
- Search 2: tumor**  
Items 1 - 20 of 1467  
1: [Neoplasms](#)  
New abnormal growth of tissue. Malignant neoplasms show a greater degree of anaplasia and metastasis, compared to benign neoplasms. Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965  
2: [Tumor Marker](#)
- Search 3: cancer**  
Items 1 - 20 of 273  
1: [Neoplasms](#)  
New abnormal growth of tissue. Malignant neoplasms show a greater degree of anaplasia and metastasis, compared to benign neoplasms. Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965  
2: [Cancer Care Facilities](#)



#### 4) MEDLINE 제공 사이트





## 5) MEDLINE 제공 사이트 비교

	Ovid MEDLINE	PubMed	EBSCOhost MEDLINE w FT
제공기관	Ovid	National Library of Medicine	EBSCO Publishing
Coverage	1946년 부터	1946년 부터	1946년 부터 원문: 1965년 부터
원문 제공	No	No (일부 무료원문 링크)	Yes (1,500종 가량)
제공 DB	MEDLINE In Process Non indexed MEDLINE OLD MEDLINE	MEDLINE In-Process Non indexed MEDLINE Out-of-scope Citations PubMed Central에 원문 제공 저널 NLM에서 리뷰한 생활과학 저널	MEDLINE
통합검색 가능 DB	PsycINFO, AMED, EMBASE	다른 NCBI 데이터베이스	CINAHL Plus w FT Health Business FT
Update	Daily	Daily (가장 빠름)	Daily
최신정보	PubMed보다 느림	More Current (In Process / 출판사 제공)	PubMed보다 느림
동시이용자 제한	제한 있음 (로그아웃 필요)	제한 없음	제한 없음
외부접속	불가	가능	가능

	Ovid MEDLINE	PubMed	EBSCOhost MEDLINE w/FT
EndNote 반출	바로 반출 가능 (2,000개 최대)	형식을 MEDLINE 형식으로 변환 후 반출 가능	바로 반출 가능 (10,000개 최대)
구검색 (Medical Education)	Medical Education	Medical AND Education <u>검색어: “Medical Education”인 경우 는 구로 인식하여 검색</u>	Medical Education
기본 검색 시, 검색 필드	tw,sh,hw,rw,pn,kf,sm, ms. OR exp	MeSH and All Fields	저자, MeSH, Keywords, 타이틀, 초록
불리언 연산자	AND, OR, NOT	AND, OR, NOT (반드시 대문자)	AND, OR, NOT
Field Code 위치	Lancet.jn.	Lancet[TA]	JN Lancet
연산자	*, \$, #, ?	*	*, #, ?
Related Articles	Find Similar: 타이틀	Related Articles: 타이틀, 초록, MeSH 주제어	Find Similar Results: 타이틀, 초록
Clinical Queries Limits	Yes (McMaster HIRU)	Yes (NLM)	Yes (McMaster & EBSCO Pub.)
모바일 App 제공	No	모바일용 화면 제공	모바일용 화면 제공 App is Coming Soon
특징	기존에 짜여진 Query가 많음 MeSH 검색 편리 검색전략 편집 용이	가장 최신의, 가장 많은 정보 무료	원문 바로 열람 CINAHL과 통합 검색

## 2. MEDLINE, CINAHL, EMBASE 비교

### 1) MEDLINE, CINAHL, EMBASE 비교

	MEDLINE	EMBASE	CINAHL
Focus on	Biomedical Health Science	Biomedical Pharmaceutical	Nursing Allied Health
Unique	Clinical Research North America Bias	Pharmaceutical European bias	Nursing (이론, 임상) 대체의학 물리/작업치료
제공 종수	5,543종	7,462종	4,975종
주제어	MeSH	EMTREE	CINAHL Headings
Interface	<u>Ovid</u> / <u>PubMed</u> / <u>EBSCOhost</u> 등	<u>Elsevier</u> / <u>Ovid</u>	<u>EBSCOhost</u>
출판사	National Library of Medicine	Elsevier	EBSCO Publishing
Coverage	1946년~	1974년~	1937년~
제공정보	Journal Article	Journal Articles, Books	Books, nursing dissertations, conference proceedings, EBN, CME 등

## 2) MEDLINE, CINAHL, EMBASE 중복저널

	MEDLINE과 중복	%	비중복 저널	%
EMBASE (7,462종)	5,130종	68.7%	2,332종	31.2%
CINAHL (4,975종)	1,714종	34.4%	3,261종	65.5%

## 3) MEDLINE, CINAHL, EMBASE 중복저널 수록 기사 수 비교

\* MEDLINE: PubMed 검색 / EMBASE: Ovid EMBASE 검색  
\*년도: 2000년 부터 현재까지

중복저널	MEDLINE	EMBASE
ACP Journal Club	1,198건	403건
Lancet	17,983건	18,078건
Trends in Pharmacological Sciences	1,107건	1,390건
Acta Pharmaceutica	315건	424건

중복저널	MEDLINE	CINAHL
RN	1,150건	4,612건
British Journal of Nursing	3,123	4,315
Evidence-based Nursing	1,048건	1,132건
American Journal of Sport Medicine	2,511건	2,632건

## 4) MeSH, EMTREE, CINAHL Headings 비교

# MeSH & EMTREE: Thalidomide 의 Subheadings 비교

### MEDLINE – MeSH

#### Qualify Subheadings:

- Analogs & Derivatives [scope]
- Administration & Dosage [scope]
- Adverse Effects [scope]
- Agonists [scope]
- Antagonists & Inhibitors [scope]
- Analysis [scope]
- Blood [scope]
- Cerebrospinal Fluid [scope]
- Chemistry [scope]
- Classification [scope]
- Chemical Synthesis [scope]
- Contraindications [scope]
- Diagnostic Use [scope]
- Economics [scope]

- History [scope]
- Immunology [scope]
- Isolation & Purification [scope]
- Metabolism [scope]
- Pharmacology [scope]
- Pharmacokinetics [scope]
- Poisoning [scope]
- Radiation Effects [scope]
- Supply & Distribution [scope]
- Standards [scope]
- Toxicity [scope]
- Therapeutic Use [scope]
- Urine [scope]

### EMBASE– EMTREE

#### Qualify Subheadings:

[Clear Selections](#)

- Drug Administration [scope]
- Adverse Drug Reaction [scope]
- Drug Analysis [scope]
- Intraarticular Drug Administration [scope]
- Buccal Drug Administration [scope]
- Intrabronchial Drug Administration [scope]
- Intrabursal Drug Administration [scope]
- Intracavernous Drug Administration [scope]
- Drug Combination [scope]
- Intracerebral Drug Administration [scope]
- Intracisternal Drug Administration [scope]
- Subconjunctival Drug Administration [scope]
- Intracamerical Drug Administration [scope]
- Drug Comparison [scope]
- Drug Concentration [scope]
- Clinical Trial [scope]
- Intracerebroventricular Drug Administration [scope]
- Intradermal Drug Administration [scope]
- Drug Dose [scope]
- Drug Therapy [scope]
- Intraduodenal Drug Administration [scope]
- Drug Development [scope]
- Endogenous Compound [scope]
- Epidural Drug Administration [scope]
- Intraarterial Drug Administration [scope]
- Intracardiac Drug Administration [scope]
- Intragastric Drug Administration [scope]
- Inhalational Drug Administration [scope]
- Intralesional Drug Administration [scope]
- Intramuscular Drug Administration [scope]
- Intraocular Drug Administration [scope]
- Intraperitoneal Drug Administration [scope]

- Drug Interaction [scope]
- Intravenous Drug Administration [scope]
- Sublingual Drug Administration [scope]
- Intralymphatic Drug Administration [scope]
- Intranasal Drug Administration [scope]
- Periorcular Drug Administration [scope]
- Intraosseous Drug Administration [scope]
- Parenteral Drug Administration [scope]
- Pharmacology [scope]
- Pharmacoeconomics [scope]
- Pharmacokinetics [scope]
- Intrapleural Drug Administration [scope]
- Oral Drug Administration [scope]
- Pharmaceutics [scope]
- Retrobulbar Drug Administration [scope]
- Rectal Drug Administration [scope]
- Regional Perfusion [scope]
- Sublabial Drug Administration [scope]
- Subcutaneous Drug Administration [scope]
- Intraspinal Drug Administration [scope]
- Transdermal Drug Administration [scope]
- Intrathecal Drug Administration [scope]
- Drug Toxicity [scope]
- Topical Drug Administration [scope]
- Intratracheal Drug Administration [scope]
- Intratumoral Drug Administration [scope]
- Intratympanic Drug Administration [scope]
- Intraurethral Drug Administration [scope]
- Intrauterine Drug Administration [scope]
- Intravaginal Drug Administration [scope]
- Intravesical Drug Administration [scope]
- Intravitreal Drug Administration [scope]

# CINAHL Headings & MeSH: Evidence-Based Medicine 의 Tree 비교

## CINAHL – CINAHL Headings

◀ Back to Term List Tree View For: Medical Practice, Evidence-Based

Check box to view subheadings. Click linked term for tree view.

- [Health Services Administration](#)
- [Management](#)
- [Professional Practice](#)
  - [Professional Practice, Evidence-Based](#)
    - [Medical Practice, Evidence-Based](#)
    - [Nursing Practice, Evidence-Based](#)
    - [Occupational Therapy Practice, Evidence-Based](#)
    - [Physical Therapy Practice, Evidence-Based](#)
    - [Professional Practice, Research-Based](#)

## MEDLINE-MeSH

### Evidence-Based Medicine

See Also:

- [Evidence-Based Dentistry](#)
- [Evidence-Based Nursing](#)

[All MeSH Categories](#)

[Disciplines and Occupations Category](#)

[Health Occupations](#)

[Evidence-Based Practice](#)

[Evidence-Based Medicine](#)

[Evidence-Based Emergency Medicine](#)

[All MeSH Categories](#)

[Disciplines and Occupations Category](#)

[Health Occupations](#)

[Medicine](#)

[Clinical Medicine](#)

[Evidence-Based Medicine](#)

[Evidence-Based Emergency Medicine](#)



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## 5) Is MEDLINE Enough?

*Can Fam Physician. 2005 June 10; 51(6): 849.*

*Controlled Clinical Trials 21:476–487 (2000)*

Can MEDLINE searches find forest or a tree?

SEARCH TERMS	EMBASE			MEDLINE		
	TOTAL CITATIONS NS	UNIQUE CITATIONS N	%	TOTAL CITATIONS NS	UNIQUE CITATIONS N	%
Diabetes	163	147	55	141	119	45
Depression	815	775	81	242	182	19
Otitis media	69	66	68	34	31	32
Coronary artery disease	6	6	55	5	5	45
Hypertension	452	425	73	191	158	27
Pharyngitis	27	26	63	16	15	37
Sinusitis	48	43	73	21	16	27
Rhinitis	11	9	90	3	1	10
Bronchitis	54	54	71	22	22	29
Asthma	281	247	46	330	290	54
Urinary tract infection	65	60	71	30	25	29
Dermatitis	7	7	64	4	4	36
Obesity	149	136	63	98	81	37
Osteoarthritis	43	38	60	32	25	40
Rheumatoid arthritis	56	53	68	30	25	32
TOTAL CITATIONS	2246	2092	68	1199	999	32

In a comprehensive search specific to family medicine, combined EMBASE and MEDLINE searches could yield more articles than MEDLINE could alone.

MEDLINE Alone Is Not Enough

- EMBASE retrieved 74% more references than MEDLINE; when only English language publications were considered, EMBASE retrieved 78% more.
- Over 25% of identified clinical trials would have been missed if MEDLINE alone had been searched ,which could result in biased conclusions.
- Using MEDLINE alone may be insufficient to perform a comprehensive review of the efficacy of interventions.

**Use of MEDLINE alone to identify CCTs is inadequate.** The use of two or more databases and hand searching of selected journals are needed to perform a comprehensive search



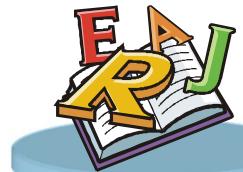
## II. PubMed

사용하기



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## 2.1. PubMed 검색방법?



### 키워드 검색



### Single Citation Matcher

- 임상질문의 키워드를 추출하여 키워드와 관련된 기사 검색



### 저널 검색

- 찾고자 하는 기사의 일부 정보(예: 수록 저널명, 저자명, 권호, 페이지) 등을 알고 있을 때 검색



### 주제어(MeSH) 검색

- MeSH에 수록된 주제어를 통한 검색으로 통제어휘 검색



### 기존 검색식 조합

- 기존에 사용하였던 검색식을 조합하여 새로운 검색식을 만들어서 검색



## 2) PubMed 화면

My NCBI  
로그인

Sign in to NCBI

The screenshot shows the PubMed search interface. A blue hand icon points to the search bar. The main search bar has a pink border. Below it is an 'Advanced' search link. To the right is a 'Search' button and a 'Help' link. The top navigation bar includes links for NCBI Home, PubMed, Help, and Sign in to NCBI.

**PubMed 검색창**: Points to the main search bar.

**고급검색**: Points to the 'Advanced' search link below the main search bar.

**PubMed 도움말**: Points to the 'PubMed Quick Start Guide' and other support links on the left sidebar.

**기본 검색 메뉴**: Points to the 'PubMed Mobile', 'Single Citation Matcher', 'Batch Citation Matcher', 'Clinical Queries', and 'Topic-Specific Queries' links in the center sidebar.

**주제어 검색, 저널검색 등**: Points to the 'MeSH Database', 'Journals in NCBI Databases', 'Clinical Trials', 'E-Utilities', and 'LinkOut' links in the right sidebar.

**PubReader**: Shows a thumbnail of a mobile device displaying a PubMed article.



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## 2.2. KEYWORD Searching – 키워드 검색



### Case 1#.

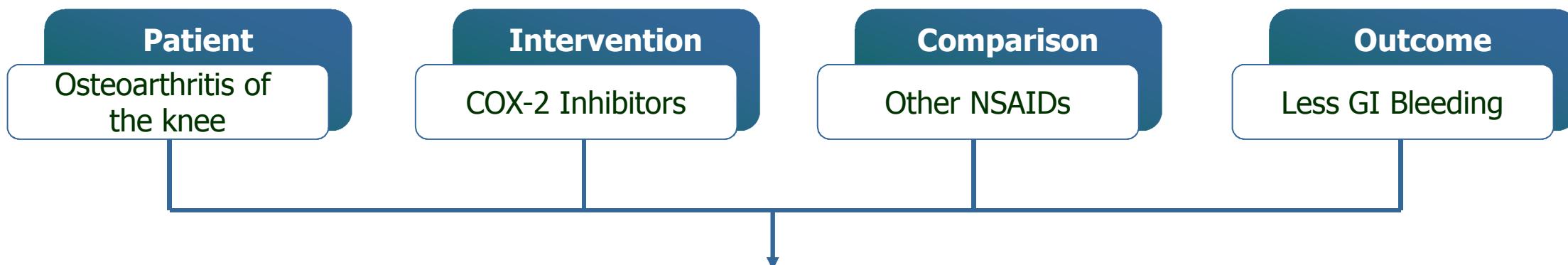
당신의 환자는 72세의 여성으로 무릎에 퇴행성 관절염과 고혈압을 앓고 있습니다. 그녀와 함께 동행한 그녀의 딸은 최근에 새로운 약물인 COX-2 Inhibitors가 다른 소염제에 비하여 위장관 출혈이 덜하다는 이야기를 들은 적이 있어 당신에게 COX-2 inhibitors 중 하나를 처방해 주기를 원합니다. 당신은 당신의 환자에게 처방전을 내리기 전에 앞서 퇴행성 무릎 관절염을 앓고 있는 72세의 여성에게 COX-2 Inhibitors가 다른 비스테로이드성 소염제 (NSAIDs)보다 위장관 출혈을 줄이는데 효과적인지 알고 싶습니다.

## 1) 검색어 조합: PICO 법칙



### PICO법칙이란?

In a 72 year old woman with osteoarthritis of the knee,  
can COX-2 Inhibitor use      Intervention  
decrease of the risk of GI Bleeding      Outcome  
compared with other NSAIDs?      Comparison



위 키워드 중 2개 이상을 불리언 연산자로 조합

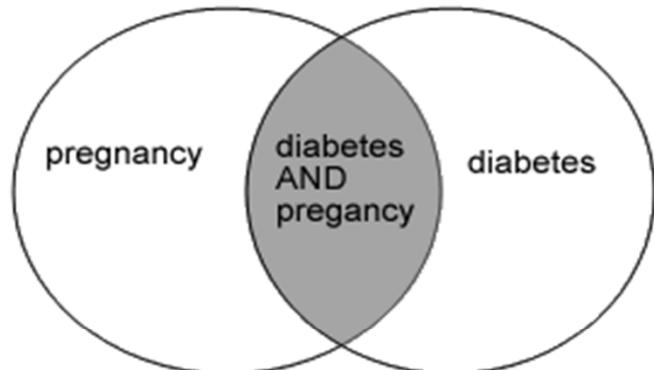


## 2) 불리언 연산자: 반드시 대문자

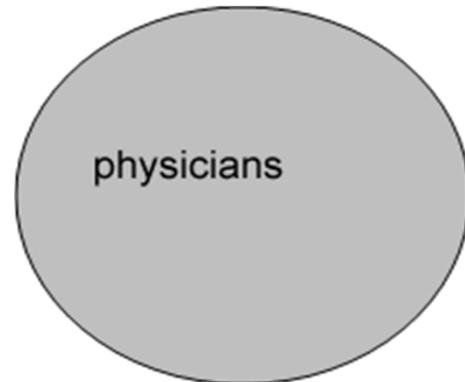
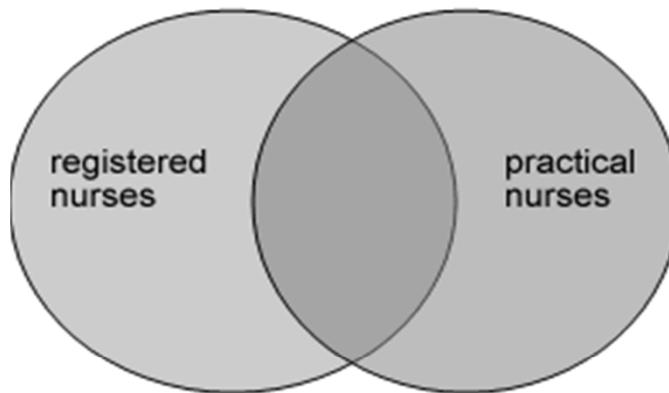


### 불리언 연산자?

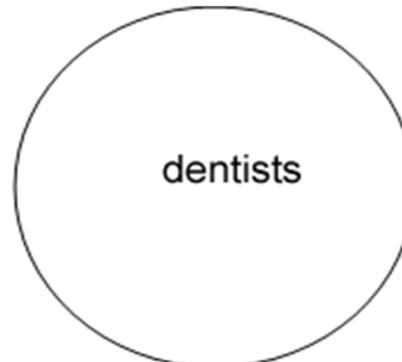
AND



OR



NOT



**Keyword:** Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c

oxidase 2) AND (other NSAIDs OR Non-steroidal anti-inflammatory drugs)  
AND GI Bleeding



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### 3) 검색 Tip!

“ ”

**“Helicobacter  
pylori”**

- 따옴표 입력 시 구 검색하여 구와 일치하는 검색어만 검색
- 예) **Helicobacter Pylori**: “helicobacter pylori” [MeSH Terms] OR  
("helicobacter" [All Fields] AND "pylori" [All Fields]) OR  
"helicobacter pylori" [All Fields]
- 예) **“Helicobacter Pylori”**: “helicobacter pylori” [All Fields]

\*

**mimick\***

- Truncation: 여러 문자 대체
- Mimick\* 입력 시, Mimick, Mimicked, Mimicks, Mimicking 등 검색

?

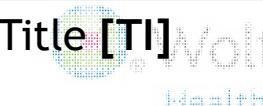
**Ne?t**

- Wild Card: 한 문자 대체
- Ne?t 입력 시, Nest, Next, Neat 등 검색

[ ]

**[sb]**

- 검색어의 검색 위치를 지정하게 되므로, 정확하고 효율적인 검색
- 필드 태그는 반드시 검색어 뒤에 작성해야 함.
- [ ] 안에 필드 약어를 입력 (예시)

All Field [ALL]	Author [AU]	Issue [IP]	Journal Title [TA]	MeSH Terms [MH]	Publication Date [DP]
Publication Type [PT]	Subset [SB]	Title [TI] 	Text Word [TX]	Title/Abstract [TIAB]	UID [PMID]



PubMed POP Quiz!

Quiz 1!

퀴즈 1. 검색창에 검색어를 입력하면,  
해당 키워드가 어느 위치에 있던,  
PubMed에 수록된 Record이면 모두  
검색 가능하다.

True      False



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Health

## MEDLINE 포맷

OWN - NLM  
STAT- MEDLINE  
DA - 20070212  
DCOM- 20070220  
LR - 20080110  
IS - 1474-547X (Electronic)  
IS - 0140-6736 (Linking)  
VI - 369  
IP - 9560  
DP - 2007 Feb 10  
TI - Assessment of upper gastrointestinal safety of etoricoxib and diclofenac in patients with osteoarthritis and rheumatoid arthritis in the Multinational Etoricoxib and Diclofenac Arthritis Long-term (MEDAL) programme: a randomised comparison.  
PG - 465-73  
AB - BACKGROUND: Upper gastrointestinal safety of cyclo-oxygenase (COX)-2 selective inhibitors versus traditional non-steroidal anti-inflammatory drugs (NSAIDs) has not been assessed in trials that simulate standard clinical practice. Our aim was to assess the effects of these drugs on gastrointestinal outcomes in a population that includes patients taking gastrointestinal protective therapy. METHODS: A prespecified pooled intent-to-treat analysis of three double-blind randomised comparisons of etoricoxib (60 or 90 mg daily) and diclofenac (150 mg daily) in 34

## PubMed 필드코드

Article Identifier [AID]  
All Fields [ALL]  
Author [AU]  
Book [book]  
Comment Corrections  
Corporate Author [CN]  
Create Date [CRDT]  
Completion Date [DCOM]  
EC/RN Number [RN]  
Editor [ED]  
Entrez Date [EDAT]  
Filter [FILTER]  
First Author Name [1AU]  
Full Author Name [FAU]  
Full Investigator Name [FIR]  
Grant Number [GR]

ISBN [ISBN]  
Issue [IP]  
Journal [TA]  
Language [LA]  
Last Author [LASTAU]  
Location ID [LID]  
MeSH Date [MHDA]  
MeSH Major Topic [MAJR]  
MeSH Subheadings [SH]  
MeSH Terms [MH]  
Modification Date [LR]  
NLM Unique ID [JID]  
Other Term [OT]  
Owner  
Pagination [PG]  
Personal Name as Subject [PS]

Pharmacological Action [PA]  
Place of Publication [PL]  
PMID [PMID]  
Publisher [PUBN]  
Publication Date [DP]  
Publication Type [PT]  
Secondary Source ID [SI]  
Subset [SB]  
Supplementary Concept [NM]  
Text Words [TW]  
Title [T]  
Title/Abstract [TIAB]  
Transliterated Title [TT]  
UID [PMID]  
Volume [VI]

## MEDLINE Display 포맷

<u>Abstract</u>	(AB)
<u>Copyright Information</u>	(CI)
<u>Affiliation</u>	(AD)
<u>Investigator Affiliation</u>	(IRAD)
<u>Article Identifier</u>	(AID)
<u>Author</u>	(AU)
<u>Full Author</u>	(FAU)
<u>Book Title</u>	(BTI)
<u>Collection Title</u>	(CTI)
<u>Comments/Corrections</u>	
<u>Corporate Author</u>	(CN)
<u>Create Date</u>	(CRDT)
<u>Date Completed</u>	(DCOM)
<u>Date Created</u>	(DA)
<u>Date Last Revised</u>	(LR)
<u>Date of Electronic Publication</u>	(DEP)
<u>Date of Publication</u>	(DP)
<u>Edition</u>	(EN)
<u>Editor and Full Editor Name</u>	(ED) (FED)
<u>Entrez Date</u>	(EDAT)
<u>Gene Symbol</u>	(GS)

rs Kluwer



## Tip1) [tw]와 [tiab]



### TW와 TIAB의 차이점?

- **TW (Text Word)**: Title, Abstract, Other Abstract, **MeSH Term**, MeSH Subheadings, Publication Type, Substance Name, Personal Names as Subject, Corporate Author, Secondary Source, and Other Terms (see Other Term [OT] above) typically non-MeSH subject terms (keywords), including NASA Space Flight Mission, assigned by an organization other than NLM
- **TIAB (Title/Abstract)**: Title, Abstract, Other Abstract

Search	Most Recent Queries	Time	Result
#8	Search sunburn[MeSH Terms]	01:09:35	<a href="#">2030</a>
#7	Search sunburn[TIAB]	00:54:59	<a href="#">1451</a>
#6	Search sunburn[TW]	00:54:50	<a href="#">2832</a>
#5	Search sunburn	00:54:43	<a href="#">2832</a>



## 2.3. 검색결과



### 1) 검색결과 화면

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

PubMed Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-ster... Search

RSS Save search Advanced

Show additional filters

Article types  
Clinical Trial  
Review  
more ...

Text availability  
Abstract available  
Free full text available  
Full text available

Publication dates  
5 years  
10 years  
Custom range...

Species  
Humans  
Other Animals

Clear all

Show additional filters

**① Display Settings:** Summary, 20 per page, Sorted by Recently Added

**② See 2463 articles about COX2 gene function**  
See also: [COX2 cytochrome c oxidase subunit II](#) in the Gene database  
[cox2](#) in [Homo sapiens](#) | [Mus musculus](#) | [Rattus norvegicus](#) | All 1000 Gene records

Results: 1 to 20 of 54

<< First < Prev Page 1 of 3 Next > Last >>

Risk factors for NSAID-associated upper GI clinical events in a long-term prospective study of 34 701  
1. [arthritis patients.](#)  
Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP.  
Aliment Pharmacol Ther. 2010 Nov;32(10):1240-8. doi: 10.1111/j.1365-2036.2010.04465.x. Epub 2010 Sep 23.  
PMID: 20955443 [PubMed - indexed for MEDLINE]  
[Related citations](#)

[NSAIDs and risk of lower gastrointestinal bleeding.](#)  
2. Rahme E, Bernatsky S.  
Lancet. 2010 Jul 17;376(9736):146-8. doi: 10.1016/S0140-6736(10)60839-2. Epub 2010 Jun 16. No abstract available.  
PMID: 20638554 [PubMed - indexed for MEDLINE]  
[Related citations](#)

[\[NSAID therapy. Gastrointestinal risks of classic NSAID are underestimated\].](#)  
3. [No authors listed]  
MMW Fortschr Med. 2010 May 20;152(20):46-7. German. No abstract available.  
PMID: 20552882 [PubMed - indexed for MEDLINE]  
[Related citations](#)

[Macroscopic small bowel mucosal injury caused by chronic nonsteroidal anti-inflammatory drugs](#)  
4. [\(NSAID\) use as assessed by capsule endoscopy.](#)

Send to: Filters: Manage Filters

1 free full-text article in PubMed Central  
Safety profile of rofecoxib as used in general practice in England: ri [Br J Clin Pharmacol. 2003]

Find related data Database: Select

Find items

Search details ("osteoarthritis"[MeSH Terms] OR "osteoarthritis"[All Fields]) AND ("cyclooxygenase 2 inhibitors"[MeSH Terms] OR "cyclooxygenase 2")

Search See more...

Recent activity Turn Off Clear

Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) A... (54) PubMed

See more...

**Searching Tip**

**1. Display Settings:**  
검색결과 제공 형태, 한 페이지 당 결과 수, 정렬 방식 설정 가능

\* Format\*  
- Summary: 저자, 기사명, PMID, 관련 기사 등 간략 정보  
- Abstract: Summary + 초록, 간행물 형태, MeSH

**Tip! 원문 이용 가능 여부 확인할 수 있는 아이콘 보려면 Abstract로 변경!**

- MEDLINE: MEDLINE 색인 정보

**Tip! EndNote로 자료 반출 시 반드시 MEDLINE으로 형식 변경!**

- XML: XML 형식으로 제공  
- PMID List: Text 형식으로 PMID 나열

**2. Are you looking for gene info.?**  
키워드가 유전자 관련 정보일 경우, 해당하는 유전자 정보 추가 제공

**Searching Tip**

**3. Filter your results:**

- All: 전체 검색 결과
- Review: 전체 검색 결과 중 간행물 형태가 Review인 검색 결과만 열람
- Free Full Text: 전체 검색 결과 중 무료로 원문 제공하는 검색 결과

**4. Find related data:**

NLM에서 제공하는 PubMed 외 다른 데이터베이스 내에서 동일한 키워드에 해당하는 정보 제공

**5. Search details:**

PubMed에서 검색 수행 시,

**6. Recent Activity:**

PubMed에 접속 후 검색한 최근 검색

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

PubMed | Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-steroids) | Search

RSS Save search Advanced

Show additional filters

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to... Filters: Manage Filters

See 2463 articles about COX2 gene function  
See also: COX2 cytochrome c oxidase subunit II in the Gene database  
cox2 in Homo sapiens | Mus musculus | Rattus norvegicus | All 1000 Gene records

1 free full-text article in PubMed Central  
Safety profile of rofecoxib as used in general practice in England: n [Br J Clin Pharmacol. 2003]

Results: 1 to 20 of 54

<< First < Prev Page 1 of 3 Next > Last >>

Risk factors for NSAID-associated upper GI clinical events in a long-term prospective study of 34 701  
1. arthritis patients.  
Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP.  
Aliment Pharmacol Ther. 2010 Nov;32(10):1240-8. doi: 10.1111/j.1365-2036.2010.04465.x. Epub 2010 Sep 23.  
PMID: 20955443 [PubMed - indexed for MEDLINE]  
[Related citations](#)

NSAIDs and risk of lower gastrointestinal bleeding.  
2. Rahme E, Bernatsky S.  
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[Related citations](#)

[NSAID therapy. Gastrointestinal risks of classic NSAID are underestimated].  
3. [No authors listed]  
MMW Fortschr Med. 2010 May 20;152(20):46-7. German. No abstract available.  
PMID: 20552882 [PubMed - indexed for MEDLINE]  
[Related citations](#)

Macroscopic small bowel mucosal injury caused by chronic nonsteroidal anti-inflammatory drugs  
4. (NSAID) use as assessed by capsule endoscopy.  
Caunedo-Alvarez A, Gómez-Rodríguez RJ, Romero-Vázquez J, Arquelles-Arias F, Romero-Castro R

Find related data Database: Select

Find items

Search details

( "osteoarthritis" [MeSH Terms] OR "osteoarthritis" [All Fields] ) AND ( "cyclooxygenase 2 inhibitors" [MeSH Terms] OR "cyclooxygenase 2

Search See more...

Recent activity Turn Off Clear

Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-steroids) (54)

See more...



## Searching Tip

[Show additional filters](#)

Article types

Clinical Trial

Review

more ...

Text availability

Abstract available

Free full text available

Full text available

Publication dates

5 years

10 years

Custom range...

Species

Humans

Other Animals

[Clear all](#)

[Show additional filters](#)

[Display Settings:](#)  Summary, 20 per page, Sorted by Recently Added

[Send to:](#)  Filters: [Manage Filters](#)

See 2463 articles about COX2 gene function

See also: [COX2 cytochrome c oxidase subunit II](#) in the Gene database

cox2 in [Homo sapiens](#) | [Mus musculus](#) | [Rattus norvegicus](#) | All 1000 Gene records

Results: 1 to 20 of 54

<< First < Prev Page 1 of 3 Next > Last >>

Risk factors for NSAID-associated upper GI clinical events in a long-term prospective study of 34 701

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Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP.

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PMID: 2055443 [PubMed - indexed for MEDLINE]

[Related citations](#)

[NSAIDs and risk of lower gastrointestinal bleeding.](#)

2. Rahme E, Bernatsky S.

Lancet. 2010 Jul 17;376(9736):146-8. doi: 10.1016/S0140-6736(10)60839-2. Epub 2010 Jun 16. No abstract available.

PMID: 20638554 [PubMed - indexed for MEDLINE]

[Related citations](#)

[\[NSAID therapy. Gastrointestinal risks of classic NSAID are underestimated\].](#)

3. [No authors listed]

MMW Fortsch Med. 2010 May 20;152(20):46-7. German. No abstract available.

PMID: 20552882 [PubMed - indexed for MEDLINE]

[Related citations](#)

[Macroscopic small bowel mucosal injury caused by chronic nonsteroidal anti-inflammatory drugs](#)

4. [\(NSAID\) use as assessed by capsule endoscopy.](#)

Caunedo-Alvarez A, Gómez-Rodríguez RJ, Romero-Vázquez J, Arquielles-Arias F, Romero-Castro R

1 free full-text article in PubMed Central

Safety profile of rofecoxib as used in general practice in England: n [Br J Clin Pharmacol. 2003]

[Find related data](#)

Database: [Select](#)

[Find items](#)

[Search details](#)

("osteoarthritis"[MeSH Terms]  
OR "osteoarthritis"[All Fields]) AND ("cyclooxygenase 2 inhibitors"[MeSH Terms]  
OR "cyclooxygenase 2"

[Search](#)

[See more...](#)

[Recent activity](#)

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

Q Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) A... (54) PubMed

[See more...](#)

### 8. Index:

- Publisher Supplied Citation:

출판사제공 서지.

- PubMed-In Process:

MEDLINE에 색인 예정 기사

- PubMed-Indexed for MEDLINE:

MEDLINE 색인 완료 기사

- PubMed-OLDMEDLINE:

OLDMEDLINE 색인 기사

- PubMed:

출판사에서 서지정보가 제공된 기사

로, MeSH에 색인되지 않은 기사.

PubMed에서는 제공되지만 위 기사

는 MEDLINE Citations에 포함되지

않음.

### 9. Free Full Text

- Free article in PMC:

PubMed Central에서 제공되는 원문

- Free article in PMC I at journal Site:

PubMed Central 및 출판사에서 제

공되는 무료 원문

- Free article at journal site:

출판사에서 무료로 제공되는 원문



## Tip2) 검색결과 Publication Type으로 제한

**PubMed**

US National Library of Medicine  
National Institutes of Health

PubMed



Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2)



RSS

Save search

Advanced

[Show additional filters](#)

**Article types**

Clinical Trial

Review

more ...

**Text availability**

Abstract available

Free full text available

Full text available

**Publication dates**

5 years

10 years

Custom range...

**Species**

Humans

Other Animals

[Clear all](#)

[Show additional filters](#)

**Display Settings:**  Summary, 20 per page, Sorted by Recently Added

[See 2463 articles about COX2 gene function](#)

See also: [COX2 cytochrome c oxidase subunit II](#) in the Gene database

[cox2 in Homo sapiens](#) | [Mus musculus](#) | [Rattus norvegicus](#) | [All 1000 Gene records](#)

**Results: 1 to 20 of 54**

<< First < Prev Page 1

[Risk factors for NSAID-associated upper GI clinical events in a long-term prospective study.](#)

1. [701 arthritis patients.](#)

Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP.

Aliment Pharmacol Ther. 2010 Nov;32(10):1240-8. doi: 10.1111/j.1365-2036.2010.04465.x. Epub 2010 Aug 11.

PMID: 20955443 [PubMed - indexed for MEDLINE]

[Related citations](#)

[NSAIDs and risk of lower gastrointestinal bleeding.](#)

2. Rahme E, Bernatsky S.

Lancet. 2010 Jul 17;376(9736):146-8. doi: 10.1016/S0140-6736(10)60839-2. Epub 2010 Jun 1.

PMID: 20638554 [PubMed - indexed for MEDLINE]

[Related citations](#)

[\[NSAID therapy. Gastrointestinal risks of classic NSAID are underestimated\].](#)

3. [No authors listed]

MMW Fortschr Med. 2010 May 20;152(20):46-7. German. No abstract available.



## Searching Tip

### 3. Filter your results:

- All: 전체 검색 결과
- Review: 전체 검색 결과 중 간행물 형태가 Review인 검색 결과만 열람
- Free Full Text: 전체 검색 결과 중 무료로 원문 제공하는 검색 결과

### 4. Find related data:

NLM에서 제공하는 PubMed 외 다른 데이터베이스 내에서 동일한 키워드에 해당하는 정보 제공

### 5. Search details:

PubMed에서 검색 수행 시,

### 6. Recent Activity:

PubMed에 접속 후 검색한 최근 검색



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## Tip3) EndNote로 반출

Display Settings:  Summary, 20 per page, Sorted by Recently Added

Limits Activated: Humans, Female, Aged: 65+ years [Change](#) | [Remove](#)

Are you looking for gene information?

**COX2** cytochrome c oxidase subunit II [Homo sapiens]

▶ cox2 in [Homo sapiens](#) | [Mus musculus](#) | [Rattus norvegicus](#) | [All 1000 Gene records](#)

**Send to:**

Filter your results:

All (6)  
Review (0)  
[Free Full Text \(2\)](#)

**Choose Destination**

File       Clipboard  
 Collections       E-mail  
 Order       My Bibliography

②  Citation manager

Generate a file for use with external citation management software.

Download 1 citation.

③



### Searching Tip

1. 검색결과화면 Send to 선택
2. Citation Manager 선택
3. Create File 선택
4. EndNote로 바로 반입

Tip! 다운로드 개수 제한 없음!



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## Tip4) Citation Sensor



### Citation Sensor?

Citation Sensor는 이용자들이 특정 기사를 찾고자 할 때 도움을 주는 기능입니다. Citation Sensor는 별도의 필드값을 입력하지 않아도 키워드에 입력된 권호 정보, 저자이름, 저널 명, 발행일 등을 인식하여 관련 기사를 검색결과로 출력해줍니다.

PubMed ▼ choi blood 2008 Search Help

RSS Save search Advanced

We found [13 articles](#) in Blood 2008 by Choi:

[Loss of red cell chemokine scavenging promotes transfusion-related lung inflammation.](#) Mangalmurti NS et al. *Blood*. (2009)

[Cooperation between integrin alpha5 and tetraspan TM4SF5 regulates VEGF-mediated angiogenic activity.](#) Choi S et al. *Blood*. (2009)

[Both primitive and definitive blood cells are derived from Flk-1+ mesoderm.](#) Lugus JJ et al. *Blood*. (2009)

**Results: 1 to 20 of 1238**

[Clinical characteristics according to sensitized allergens in adult korean patients with bronchial asthma.](#)

1. Jung JW, Choi JC, Shin JW, Kim JY, Park IW, Choi BW.  
*Allergy Asthma Immunol Res.* 2010 Apr;2(2):102-7. Epub 2010 Mar 24.  
PMID: 20358023 [PubMed - in process]  
[Related articles](#) [Free article](#)

**Blood.** 2009 Jan 29;113(5):1158-66. Epub 2008 Dec 3.

**Loss of red cell chemokine scavenging promotes transfusion-related lung inflammation.**

Mangalmurti NS, Xiong Z, Hulver M, Ranganathan M, Liu XH, Oriss T, Fitzpatrick M, Rubin M, Triulzi D, Choi A, Lee JS.

Department of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine, University of Pittsburgh, PA 15213, USA.

Red cell transfusions are associated with the development of acute lung injury in the critically ill. Recent evidence suggests that storage induced alterations of the red blood cell (RBC) collectively termed the "storage lesion" may be linked with adverse biologic consequences. Using a 2-event model of systemic endotoxemia followed by a secondary challenge of RBC transfusion, we investigated whether purified RBC concentrates from syngeneic C57BL/6 mice altered inflammatory responses in murine lungs. Transfusion of RBCs stored for 10 days increased neutrophil counts, macrophage inflammatory protein-2 (MIP-2) and chemokine (KC) concentrations in the airspaces, and lung microvascular permeability compared with transfusion of less than 1-day-old RBCs. Because RBCs have been shown to scavenge inflammatory chemokines through the blood group Duffy antigen, we investigated the expression and function of Duffy during storage. In banked human RBCs, both Duffy expression and chemokine scavenging function were reduced with increasing duration of

## Tip5) 자주 검색하는 검색 식의 최근 수록 기사정보를 이 메일로 받기.

PubMed

Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other)

**1 Save search** Limits Advanced



Your PubMed search

Search: Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-steroidal anti-inflammatory drugs) AND GI Bleeding

Name of Search: **2 Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-steroidal anti-inflammatory drugs) AND GI Bleeding**

**3**



Your PubMed search

Search: Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-steroidal anti-inflammatory drugs) AND GI Bleeding

Name of Search: Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other NSAIDs OR Non-steroidal anti-inflammatory drugs) AND GI Bleeding

E-mail: khpark@neca.re.kr

Would you like e-mail updates of new search results?

No thanks.  
 **3 Yes, once a month**  
Which day? the first Saturday

Yes, once a week.  
Which day? Saturday

Yes, every day.

Formats:

Report format: Summary

Number of items:

Send at most: 5 items

Send even when there aren't any new results

Any text you want to be added at the top of your e-mail (optional):

## How To Search

- 검색결과 상단에서 Save Search 선택 후 My NCBI 로그인
- 검색결과 저장 제목 입력 후 Save 선택
- 이메일로 전송 받기 옵션 선택 후 Save 선택



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## Tip6) 자주 찾는 저널의 최근 수록 기사정보를 이 메일로 받기.

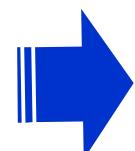
PubMed **①** lancet[TA] **②** Save search Limits Advanced



Your PubMed search  
Search: lancet[TA]

Name of Search: **③** lancet[TA]

**③** Save Cancel



Your PubMed search  
Search: lancet[TA]

Name of Search: lancet[TA]  
E-mail: khpark@neca.re.kr  
Would you like e-mail updates of new search results?

No thanks  
 Yes, once a month.  
Which day? **④** the first Saturday  
 Yes, once a week.  
Which day? Saturday  
 Yes, every day.

Formats:  
Report format: Summary

Number of items:  
Send at most: 5 items  Send even when there aren't any new results

Any text you want to be added at the top of your e-mail (optional):

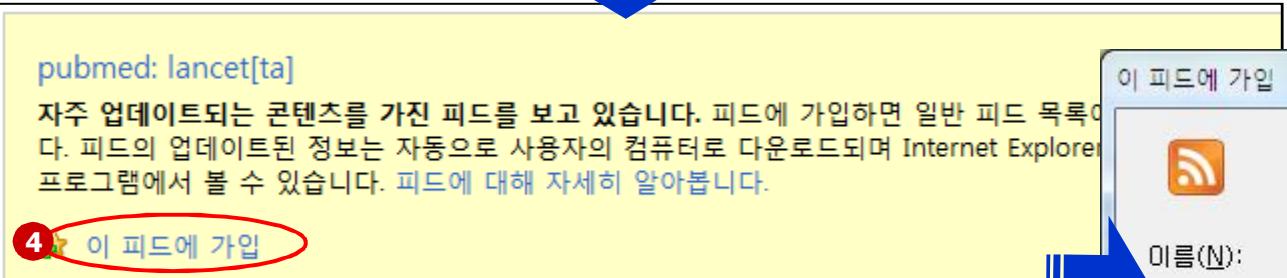
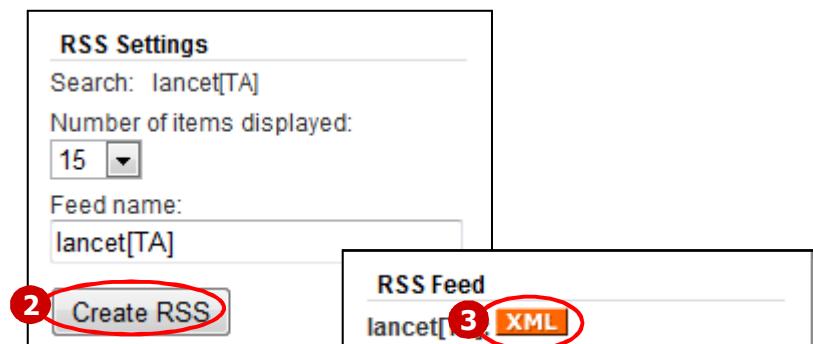
Save Cancel Delete

## How To Search

1. 검색창에 찾고자 하는 저널 및 저널 필드코드 [TA]입력, 혹은 Single Citation Matcher를 통하여 저널로 접근
2. 검색결과에서 Save Search 선택 후 My NCBI에 로그인
3. 저장하고자 하는 제목 선택 후 Save 선택
4. Search Alerts 옵션 선택 후 Save 선택

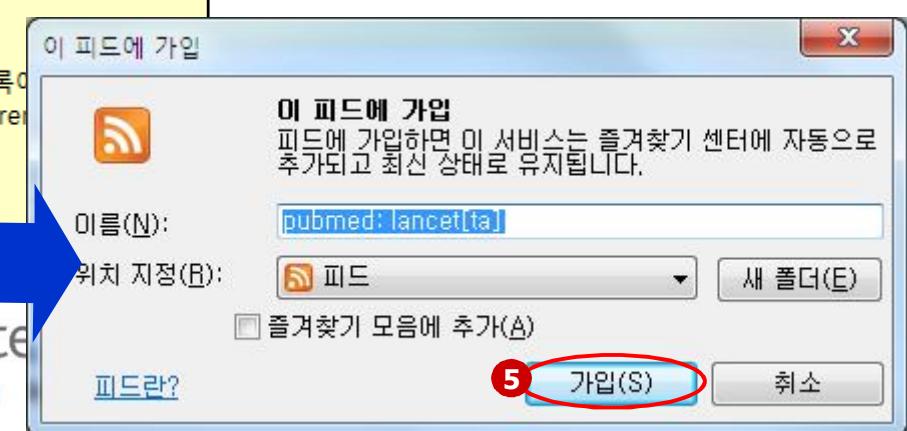


## Tip7) RSS 피드 이용하여 자주 찾는 저널 및 검색식 최근 수록 기사 받기.



### How To Search

1. 검색결과 화면에서 RSS 선택
2. 알림기능 설정 제목 및 기사 수 설정 후 Create Feed 선택
3. 주황색 XML 버튼 선택
4. 노란색 팝업창이 나타나면 하단의 "이 피드에 가입" 선택
5. RSS 가입 팝업창 나타나면 하단의 가입 버튼 선택





## How To Search

pubmed: lancet[ta] - Window  
http://eutils.naver.com

파일(F) 편집(E) 보기(V) 블로그  
NAVER 네이버

6 ★ NECA도서실

즐겨찾기 모음에 ...

즐겨찾기 피드 열어본 ...

- Bringing Health Information
- Cochrane Current News
- HSR Information Centra...
- MidContinental Region ...
- PubMed New and Note...
- pubmed: lancet[ta]

pubmed: lancet[ta]

Self-collection of vaginal specimens for human papillomavirus testing in cervical cancer prevention trial.

2011년 11월 7일 오늘, 오후 7:11:06 | Lazcano-Ponce E, Lorincz AT, Cruz-Valdez A, Salmerón J, Uribe P, Velasco-Mondragón M, et al.

Self-collection of vaginal specimens for human papillomavirus testing in cervical cancer prevention trial.

Lancet. 2011 Nov 1;

Authors: Lazcano-Ponce E, Lorincz AT, Cruz-Valdez A, Salmerón J, Uribe P, Velasco-Mondragón M, et al.

### Abstract

**BACKGROUND:** Vaginal self-sampling for human papillomavirus (HPV) DNA testing could be as sensitive as cytology for detecting cervical intraepithelial neoplasia (CIN) grade 2 or worse; and positive predictive value for HPV screening of vaginal samples self-collected at home as equivalence trial in Mexican women of low socioeconomic status aged 25-65 years. Participants were recruited from 10 sites in Mexico City and the state of Mexico. Our primary endpoint was CIN 2 or worse, detected by colposcopy or cervical cytology. Eight community nurses who were masked to patient allocation referred women with positive results in either test to colposcopy. We did per-protocol analysis. **FINDINGS:** 12 330 women were randomly allocated to HPV screening (n = 6165) or cytology (n = 6165). The median age was 35 years (range 25-65) and 51% were aged 35-44 years. The rate of CIN 2 or worse was 1·1% (95% CI 0·9-1·3) in the HPV group and 1·2% (0·9-1·5) in the cytology group (hazard ratio 0·91, 95% CI 0·78-1·04, p = 0·11). The rate of CIN 3 or worse was 0·4% (0·3-0·5) in the HPV group and 0·5% (0·4-0·6) in the cytology group (hazard ratio 0·82, 95% CI 0·68-0·96, p = 0·11). The rate of any grade 2 or worse CIN was 1·5% (1·3-1·7) in the HPV group and 1·7% (1·5-1·9) in the cytology group (hazard ratio 0·90, 95% CI 0·76-1·04, p = 0·11). The rate of any grade 3 or worse CIN was 0·5% (0·4-0·6) in the HPV group and 0·6% (0·5-0·7) in the cytology group (hazard ratio 0·83, 95% CI 0·69-0·97, p = 0·11). The rate of any grade 2 or worse CIN was 1·5% (1·3-1·7) in the HPV group and 1·7% (1·5-1·9) in the cytology group (hazard ratio 0·90, 95% CI 0·76-1·04, p = 0·11). The rate of any grade 3 or worse CIN was 0·5% (0·4-0·6) in the HPV group and 0·6% (0·5-0·7) in the cytology group (hazard ratio 0·83, 95% CI 0·69-0·97, p = 0·11).

6. RSS 알림기능 확인은 즐겨 찾기 메뉴 오른쪽의 피드 메뉴에서 확인 가능

7. 가입한 피드 목록 중 확인하고자 하는 메뉴 선택 시, 최신 정보 열람 가능



## Tip8) 자주 찾는 검색결과 즐겨 찾기 추가하기.

PubMed Osteoarthritis AND (COX-2 Inhibitors OR cytochrome c oxidase 2) AND (other)

RSS Save search Limits Advanced

<http://www.ncbi.nlm.nih.gov/sites/entrez>

Display Settings: Summary, 20 per page, Sorted by Recently Added Send to:

Limits Activated: Humans, Female, Aged: 65+ years Change Remove

Are you looking for gene information?

**COX2** cytochrome c oxidase subunit II [Homo sapiens]

cox2 in Homo sapiens | Mus musculus | Rattus norvegicus | All 1000 Gene records

**Results: 6**

1. [Gastrointestinal and cardiovascular risk of non-selective NSAIDs and COX-2 inhibitors in elderly patients with knee osteoarthritis.](#)  
Turajane T, Wongbunnak R, Patcharatrakul T, Ratansumawong K, Poigampetch Y, Songpatanasilp T.  
J Med Assoc Thai. 2009 Dec;92 Suppl 6:S19-26.  
PMID: 20128070 [PubMed - indexed for MEDLINE]  
[Related articles](#)

2. [Assessment of upper gastrointestinal safety of etoricoxib and diclofenac in patients with osteoarthritis and rheumatoid arthritis in the Multinational Etoricoxib and Diclofenac Arthritis Long-term \(MEDAL\) programme: a randomised comparison.](#)  
Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP; MEDAL Steering Committee.  
Lancet. 2007 Feb 10;369(9560):465-73.  
PMID: 17292766 [PubMed - indexed for MEDLINE]

Filter your results:  
All (6)  
Review (0)  
Free Full Text (2)  
Manage Filters

Find related data  
Database: Select  
Find items

1. Search details  
Turn Off  
("osteoarthritis" [MeSH Terms]  
OR "osteoarthritis" [All Fields]) AND  
(("cyclooxygenase 2  
inhibitors" [MeSH Terms]  
Search » See more...



## Searching Tip

기본 검색결과의 URL과 해당 키워드 고유의 URL이 상이하므로 기본 검색 결과 페이지에서 즐겨찾기 추가 시 오류 발생됨.



## How To Search

- 검색결과화면에서 검색메뉴 오른쪽 끝의 Search Details에서 See More 선택



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## How To Search

2. Query Translations 하단의 URL 선택
3. 변경된 검색결과 화면의 인터넷 메뉴에서 즐겨찾기 추가
4. 확인은 즐겨찾기 메뉴에서 가능.

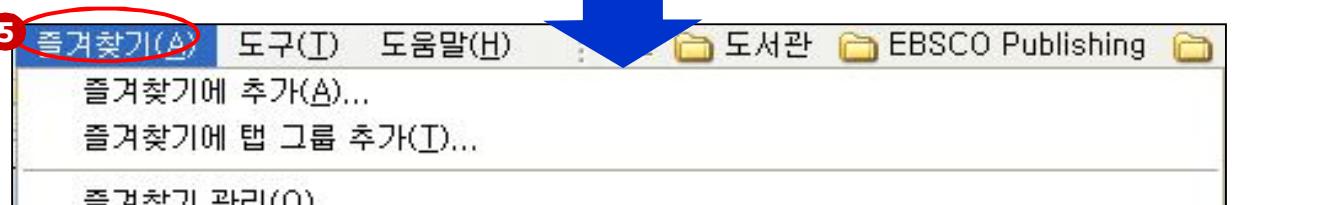
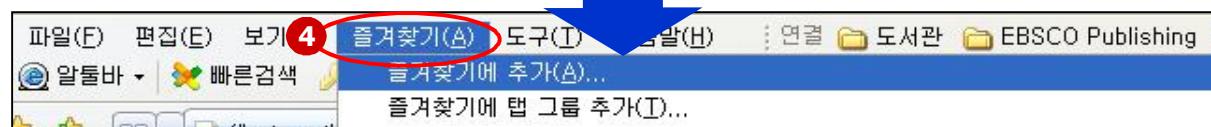
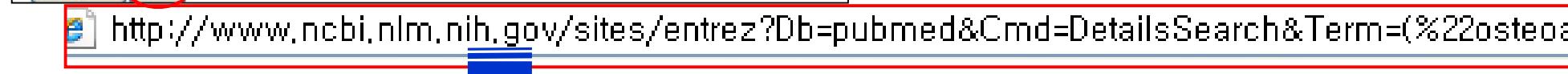
**Search Details**

Query Translation:

```
("osteoarthritis"[MeSH Terms] OR "osteoarthritis"[All Fields]) AND ((cyclooxygenase 2 inhibitors)[MeSH Terms] OR "cyclooxygenase 2 inhibitors"[All Fields] OR "cox 2 inhibitors"[All Fields] OR "cyclooxygenase 2 inhibitors"[Pharmacological Action]) OR ((electron transport complex iv)[MeSH Terms] OR ("electron"[All Fields] AND "transport"[All Fields] AND "complex"[All Fields] AND "iv"[All Fields])) OR "electron transport complex iv"[All Fields] OR "cytochrome c oxidase"[All Fields]) AND 2[All Fields])) AND ((other[All Fields] AND
```

Search **2 URL**

[http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=DetailsSearch&Term=\(%22osteoarthritis%22\) AND 2](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=DetailsSearch&Term=(%22osteoarthritis%22) AND 2)



즐겨찾기 관리(Q)...

연결 Microsoft 웹 사이트 Search Clinic PubMed® UI

Search PubMed for ("osteoarthritis"[MeSH Terms] OR "osteoarthritis"[All Fields]) AND ((cyclooxygenase 2 inhibitors)[MeSH Terms] OR "cyclooxygenase 2 inhibitors"[All Fields] OR "cox 2 inhibitors"[All Fields] OR "cyclooxygenase 2 inhibitors"[Pharmacological Action]) OR ((electron transport complex iv)[MeSH Terms] OR ("electron"[All Fields] AND "transport"[All Fields] AND "complex"[All Fields] AND "iv"[All Fields])) OR "electron transport complex iv"[All Fields] OR "cytochrome c oxidase"[All Fields]) AND 2[All Fields])) AND ((other[All Fields] AND

Items 1 - 20 of 23

1: Efficacy of the newest COX-2 selective inhibitors in rheumatic disease.  
Baraf HS.  
Curr Pharm Des. 2007;13(22):2228-36. Review.  
PMID: 17691996 [PubMed - Indexed for MEDLINE]  
Related Articles



## 2) 상세 서지사항

**Display Settings:**  Abstract

**1** Lancet. 2007 Feb 10;369(9560):465-73.

**2** Assessment of upper gastrointestinal safety of etoricoxib patients with osteoarthritis and rheumatoid arthritis in the Etoricoxib and Diclofenac Arthritis Long-term (MEDAL) p randomised comparison.

**3** Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP; MEDAL Steering Committee. Division of Gastrointestinal and Liver Diseases, Department of Medicine, University of Southern California Keck School of Medicine, Los Angeles, CA 90033, USA. llaine@usc.edu

**4** **Abstract**  
BACKGROUND: Upper gastrointestinal safety of cyclo-oxygenase (COX)-2 selective inhibitors versus traditional non-steroidal anti-inflammatory drugs (NSAIDs) has not been assessed in trials that simulate standard clinical practice. Our aim was to assess the effects of these drugs on gastrointestinal outcomes in a population that includes patients taking gastrointestinal protective therapy.

METHODS: A prespecified pooled intent-to-treat analysis of three double-blind randomised comparisons of etoricoxib (60 or 90 mg daily) and diclofenac (150 mg daily) in 34 701 patients with osteoarthritis or rheumatoid arthritis was done for upper gastrointestinal clinical events (bleeding, perforation, obstruction, or ulcer) and the subset of complicated events (perforation, obstruction, witnessed ulcer bleeding, or significant bleeding). We also assessed such outcomes in patients who were taking concomitant proton pump inhibitors (PPIs) or low-dose aspirin. These trials are registered with , with the numbers , , and .

FINDINGS: Overall upper gastrointestinal clinical events were significantly less common with etoricoxib than with diclofenac (hazard ratio [HR] 0.69, 95% CI 0.57-0.83; p=0.0001). There were significantly fewer uncomplicated gastrointestinal events with etoricoxib than there were with diclofenac (0.57, 0.45-0.74; p<0.0001); there was no difference in complicated events (0.91, 0.67-1.24; p=0.561). PPIs were used concomitantly for at least 75% of the study period by 13 862 (40%) and low-dose aspirin by 11 418 (33%) patients; treatment effects did not differ significantly in these individuals.

INTERPRETATION: There were significantly fewer upper gastrointestinal clinical events with the COX-2 selective inhibitor etoricoxib than with the traditional NSAID diclofenac due to a decrease in uncomplicated events, but not in the more serious complicated events. The reduction in uncomplicated events with etoricoxib is maintained in patients treated with PPIs and is also observed with regular low-dose aspirin use.

**5** **Comment in**  
Nat Clin Pract Gastroenterol Hepatol. 2007 Dec;4(12):648-9.  
Lancet. 2007 Apr 21;369(9570):1343-4; author reply 1344.  
Lancet. 2007 Feb 10;369(9560):439-40.

**6** **+ Publication Types, MeSH Terms, Substances**

**+ LinkOut - more resources**

**Send to:**

**Choose Destination**

- File
- Clipboard
- Collections
- E-mail
- Order

**7** **Related citations**  
Cardiovascular outcomes with etoricoxib and diclofenac in patients with osteoarthr [Lancet. 2006]  
The gastrointestinal safety of the COX-2 selective inhibitor etoricoxib ass. [Am J Gastroenterol. 2003]  
Review Cyclooxygenase-2 selective non-steroidal anti-inflar [Health Technol Assess. 2008]  
Gastrointestinal toxicity with celecoxib vs nonsteroidal anti-inflammatory drugs [JAMA. 2000]  
Review [Comparative evaluation of the safety and efficacy of etoricoxib and diclofena [Ter Arkh. 2010]  
See reviews...  
See all...

**8** **Cited by 12 PubMed Central articles**  
Prevention of NSAID-related upper gastrointestinal tc [Drug Healthc Patient Saf. 2009]  
Topical nonsteroidal anti-inflammatory drugs for the treatment of pain due to sof [J Pain Res. 2010]  
Review A review of the gastrointestinal safety data—a gastroenter [Rheumatology (Oxford). 2010]  
See all...

**Chemical Compound Information**  
etoricoxib  
MW: 358.84 g/mol  
MF: C<sub>18</sub>H<sub>15</sub>CIN<sub>2</sub>O<sub>2</sub>S  
  
See 4 citations for this compound...

**Related information**  
Related Citations



## Searching Tip

1. 저널정보: 기사 저널정보
2. Title: 기사명
3. 저자 및 저자 정보: 소속, 저자 메일 등 저자정보
4. 초록: 논문의 요약문  
New! Structured Abstract (25%)
5. Comment in: 기사의 Comment를 기술한 논문
6. Publication Types.: 간행물형태, 주제어
7. Related Citation: 관련된 다른 기사 목록으로 Title, Abstract, MeSH와 관련된 논문으로 쉽게 접근 가능
8. Cited by # PMC: 해당 기사를 인용한 PMC 수록 기사



## 2) 상세 서지사항

Display Settings:  Abstract

Lancet. 2007 Feb 10;369(9560):465-73.

### Assessment of upper gastrointestinal safety of etoricoxib and diclofenac in patients with osteoarthritis and rheumatoid arthritis in the Multinational Etoricoxib and Diclofenac Arthritis Long-term (MEDAL) programme: a randomised comparison.

Laine L, Curtis SP, Cryer B, Kaur A, Cannon CP; MEDAL Steering Committee.

Division of Gastrointestinal and Liver Diseases, Department of Medicine, University of Southern California Keck School of Medicine, Los Angeles, CA 90033, USA. llaine@usc.edu

#### Abstract

**BACKGROUND:** Upper gastrointestinal safety of cyclooxygenase (COX)-2 selective inhibitors versus traditional non-steroidal anti-inflammatory drugs (NSAIDs) has not been assessed in trials that simulate standard clinical practice. Our aim was to assess the effects of these drugs on includes patients taking gastrointestinal protective therapy.

**METHODS:** A prespecified pooled intent-to-treat analysis of the etoricoxib (60 or 90 mg daily) and diclofenac (150 mg daily) in arthritis was done for upper gastrointestinal clinical events (bleeding, subset of complicated events (perforation, obstruction, witness), also assessed such outcomes in patients who were taking co-dose aspirin. These trials are registered with , with the number

**FINDINGS:** Overall upper gastrointestinal clinical events were significantly fewer with etoricoxib than with diclofenac (hazard ratio [HR] 0.69, 95% CI 0.57-0.83;  $p=0.0001$ ). There were significantly fewer upper gastrointestinal events with etoricoxib than there were with diclofenac in the more serious complicated events (0.91, 0.67-1.24;  $p=0.561$ ). Patients discontinued the study period by 13 862 (40%) and low-dose aspirin by 11 444 (33%). There was no significant difference in discontinuation rates between the two groups, significantly in these individuals.

**INTERPRETATION:** There were significantly fewer upper gastrointestinal events with the COX-2 selective inhibitor etoricoxib than with the traditional NSAID diclofenac during the study period. This reduction in events was seen in patients treated with PPIs and is also observed with regular low-dose aspirin.

#### Comment in

Nat Clin Pract Gastroenterol Hepatol. 2007 Dec;4(12):648-9.

Lancet. 2007 Apr 21;369(9570):1343-4; author reply 1344.

Lancet. 2007 Feb 10;369(9560):439-40.

PMID: 17292766 [PubMed - indexed for MEDLINE]

Publication Types, MeSH Terms, Substances

LinkOut - more resources

10

Send to:

8

THE LANCET  
FULL-TEXT ARTICLE

9 Online Full-text

#### Related citations

Cardiovascular outcomes with etoricoxib and diclofenac in patients with osteoarthritis [Lancet. 2006]

The gastrointestinal safety of the COX-2-selective inhibitor etoricoxib ass. [Am J Gastroenterol. 2003]

Review Cyclooxygenase-2 selective non-steroidal anti-inflam [Health Technol Assess. 2008]

Gastrointestinal toxicity with celecoxib vs. nonsteroidal anti-inflammatory drugs [JAMA. 2000]

Review [Comparative evaluation of the safety and efficacy of etoricoxib and diclofenac] [Ter Arkh. 2010]

See reviews...

See all...

#### Cited by 12 PubMed Central articles

tion of NSAID-related upper gastrointestinal toxic [Drug Healthc Patient Saf. 2009]

al nonsteroidal anti-inflammatory drugs for treatment of pain due to soft tissue injury [J Pain Res. 2010]

W A review of the gastrointestinal safety of celecoxib in a gastroenterologist [Rheumatology (Oxford). 2010]

See all...

Title: Assessment of upper gastrointestinal safety and rheumatoid arthritis in the Multinational programme: a randomised comparison.

Source: Laine. *The Lancet* Volume: 369 Issue: 9560 (2007-02-10)

See Also @ NECA - Check Full Text & More

▶ 전문(Full text) 보기

- Science Direct 전문보기 1995-01-01 to present

▶ 관련 자료 검색

- Google Scholar 기사검색

- Google Scholar 저자검색

▶ 서지사항

- EndNote

▶ 문헌 복사

- MEDLARS

- NDSL 문헌

◀ 1 of 1 ▶ Result List | Refine Search

<p>Title: Efficacy of the newest COX-2 selective inhibitors in rheumatic disease.</p> <p>Author(s): Baraf HS</p> <p>Author's Address: The Center for Rheumatology &amp; Bone Research, Wheaton, MD 20902 USA. hsbaraf@mac.com</p> <p>Source: Current Pharmaceutical Design [Curr Pharm Des] 2007; Vol. 13 (22), pp. 2228-36.</p> <p>Publication Type: Journal Article; Research Support, Non-U.S. Gov't; Review</p> <p>Journal Information: Country of Publication: Netherlands NLM ID: 9602487 Publication Model: Print Cited Medium: Internet ISBN: 1873-4286 (Electronic) NLM ISO Abbreviation: Curr. Pharm. Des. Subsets: MEDLINE</p>		



## Searching Tip

8. 출판사 로고: 무료로 원문을 제공하는 경우에 한하여 원문 열람 가능

9. 우리기관 로고: 우리기관에서 원문 제공 가능한 기사일 경우, 로고 선택 시 원문 이용 가능한 Database로 이동

10. Send to: 해당 기사를 파일로 저장, 인쇄, 이메일 전송, My NCBI에 영구 저장, Clipboard에 임시저장 등이 가능하며, Order 버튼 선택 시, MEDLARS 센터로 원문 신청 가능

### 3) 검색결과 임시저장 – Clipboard



Clipboard는 검색결과에서 한 가지 이상의 기사를 임시적으로 저장하고자 할 때 사용하는 기능입니다. 최대 저장 개수는 500개이며 최대 8시간 동안 임시 저장됩니다. 영구적으로 저장하고자 할 경우, My NCBI에 로그인한 후, Collections로 저장해야 합니다. 검색결과 중 출력 및 이메일로 전송하고자 하는 논문들만 임시로 모아두고자 할 때 유용하게 사용할 수 있습니다.

The screenshot shows the PubMed search results for 'COX2'. The results list 20 items out of 25. A specific article is selected, and its details are shown in the main panel. In the top right corner of the results list, there is a 'Send to' dropdown menu with 'Clipboard' selected. Below this, a button labeled 'Add to Clipboard' is highlighted with a red circle and number 3. To the right of the results list, a sidebar titled 'PubMed Tools' includes a 'Clipboard' section showing 'Clipboard: 2 items'. This section also has a red circle and number 3 around it. At the bottom of the sidebar, the text 'Clipboard (2)' is highlighted with a red circle and number 3.

### How To Search

1. 임시 저장하고자 하는 기사의 체크박스 선택
2. Send to의 Clipboard 선택
3. Add to Clipboard 선택
3. 검색결과 우측 Clipboard 선택 시 저장된 기사 확인

Tip! 선택하지 않고 Clipboard로 보내면 검색 기사 중 500개 모두 Clipboard에 저장됨.

Tip! My NCBI에 로그인 한 경우, PubMed 메인화면에도 표기

## 4) 검색결과 영구저장 – Collection

Display Settings:  Summary, 20 per page, Sorted by Recently Added

**Results: 1 to 20 of 25** Selected: 2 << First <

**1.**  Gastrointestinal and cardiovascular risk of non-selective COX-2 inhibitors in elderly patients with knee osteoarthritis  
 Turajane T, Wongbunnak R, Patcharatrakul T, Ra...  
 Poigampetch Y, Songpatanasilp T.  
 J Med Assoc Thai. 2009 Dec;92 Suppl 6:S19-26.  
 PMID: 20128070 [PubMed - indexed for MEDLINE]  
[Related articles](#) [Item in clipboard](#)

**2.**  Pattern recognition analysis for the prediction of adverse effects by nonsteroidal anti-inflammatory drugs using <sup>1</sup>H NMR-based metabolomics in rats.  
 Um SY, Chung MW, Kim KB, Kim SH, Oh JS, Oh HY, Lee HJ, Choi KH.  
 Anal Chem. 2009 Jun 15;81(12):4734-41.

**Send to:**   
**Choose Destination**  
 File       Clipboard  
 Collections       E-mail  
 Order  
 Add 2 items.  
**3.**



Collections는 관심 있는 기사를 MyNCBI에 영구적으로 저장하는 기능입니다. 각 주제별로 별도의 Title로 저장할 수 있어 연구활동 시 유용하게 사용 가능 한 저장 폴더입니다.



### How To Search

2 items from PubMed  
 What would you like to do?

**4.**  Create new collection  
 Append to an existing collection

Enter a name for your collection **5.** Collection 명칭

**6.**

Or cancel and return to your selections.

1. 관심 있는 기사의 체크박스 선택
2. Send-to에서 Collections 선택  
 Tip! My NCBI에 로그인이 필요합니다.
3. Add to Collections 선택
4. 새로운 Collection으로 저장할 것인지, 기존 Collection에 추가할 것인지 선택
5. 저장할 Collection의 타이틀 입력
6. Save 선택

## 2.4 Single Citation Matcher – 기사정보로 검색



### Case 4#.

아래 기사의 초록 및 원문을 찾고 싶습니다.



Single Citation Matcher는 찾고자 하는 기사의 일부 정보 (Ex. 저널명, 출판일, 타이틀 명 등)을 알고 있을 경우, 사용 할 수 있습니다.

검색창이 저널명, 출판일, 권호, 페이지, 저자명, 타이틀 명으로 분류하여 입력 할 수 있도록 설계되었으므로 좀 더 편리하게 검색 어를 입력할 수 있다는 장점이 있습니다.



**Journal:** Annals of Internal Medicine

**Date:** 2008

**Volume:** 149

**Issue:** 4

**Start Page:** 242

국민일보

비타민D부족, 대퇴골 골절 위험인자  
기사입력 2008-10-01 09:23 [기사원문보기](#)

[쿠키 건강] 폐경여성에서 비타민D가 부족한 것은 대퇴골 골절의 확실한 위험인자라고 미국 피츠버그대학 연구팀이 Annals of Internal Medicine(2008; 149:242-250)에 발표했다.

연구팀은 대퇴골 골절 경험이 없고, 에스트로겐으로 치료받고 있지 않은 폐경여성 약 4만명을 중앙치로 7.1년간 추적.

대퇴골이 골절된 400례(환자군)와 연령, 인종·민족, 채혈일을 일치시킨 조절군 400례를 대상으로, 혈청25-하이드록시 비타민D(25(OH)D)치와 대퇴골 골절 위험의 관련성을 검토했다.

분석 결과, 혈청 25(OH)D치는 환자군이 조절군보다 유의하게 낮았으며(55.95 대 59.60nmol/L, P=0.007), 대퇴골 골절 위험이 높았다(25nmol/L 저하에 의한 오즈비 1.33). 혈청25(OH)D치 최고군(70.7nmol/L 이상)과 비교한 최저군(47.5nmol/L 이하)의 대퇴골 골절위험은 1.71배였다.

이러한 관계는 넘어진 횟수나 신체기능, 신장기능, 성스테로이드 호르몬치 등과는 독립적으로 골흡수의 영향을 부분적으로 받고 있는 것으로 추측됐다. 국민일보 쿠키뉴스 제휴사 / 메디칼트리뷴

olters Kluwer  
<GoodNews paper © 국민일보. 무단전재 및 재배포금지>

NCBI Resources How To

PubMed.gov U.S. National Library of Medicine National Institutes of Health

Welcome to PubMed  
PubMed comprises more than 19 million citations for biomedical articles from MEDLINE and life science journals. Citations may include links to full-text articles from PubMed Central or publisher web sites.

Using PubMed  
PubMed Quick Start  
New and Noteworthy  
PubMed Tutorials  
Full Text Articles  
PubMed FAQs

PubMed Tools  
1 Single Citation Matcher  
Batch Citation Matcher  
Clinical Queries  
Topic-Specific Queries

## PubMed Single Citation Matcher

- Use this tool to find PubMed citations. You may omit any field.
- Journal may be the full title or the title abbreviation.
- For first and last author searching, use smith jc format.

2 Journal: Annals of Internal Medicine  
Date: 2008 (month and day are optional)  
Volume: 149 Issue: 4 First page: 242  
Author name (see help) 저자명 입력(Ex. Smith JA)  
 Only as first author  Only as last author  
Title words: 기사명 입력

3 Go Clear



# How To Search

1. PubMed Services의 Single Citation Matcher 선택
2. 찾고자 하는 기사에 해당하는 정보 입력
3. Go 선택, 해당 기사로 이동
4. 해당 기사에 링크된 원문이 있는 경우, 해당 아이콘 선택 시, 원문으로 바로 이동

Display Settings:

Summary

Send to:

### Serum 25-hydroxyvitamin D concentrations and risk for hip fractures.

Cauley JA, Lacroix AZ, Wu L, Horwitz M, Danielson ME, Bauer DC, Lee JS, Jackson RD, Robbins JA, Wu C, Stanczyk FZ, LeBoff MS, Wactawski-Wende J, Sarto G, Ockene J, Cummings SR.

Ann Intern Med. 2008 Aug 1; 149(3):242-7.  
PMID: 18711154 [PubMed - Related articles] [Free article]

4

Citation PDF Full Text

Title: Serum 25-hydroxyvitamin D concentrations and risk for hip fracture  
Author(s): Cauley JA; Lacroix AZ; Wu L; Horwitz M; Danielson ME; Bauer DC; Lee JS; Jackson RD; Robbins JA; Wu C; Stanczyk FZ; LeBoff MS; Wactawski-Wende J; Sarto G; Ockene J; Cummings SR  
Author's Address: University of Pittsburgh, Department of

Images

Analysis	Odds Ratio (95% CI)				P Value for Linear Trend
	First Quartile (9.2-47 nmol/L (n = 244))	Second Quartile (47.4-61.1 nmol/L (n = 249))	Third Quartile (60.3-70.6 nmol/L (n = 267))	Fourth Quartile (70.7-121.5 nmol/L (n = 193))	
Base analysis* P value	1.71 (1.05-2.79)	1.09 (0.70-1.71)	0.82 (0.51-1.31)	1.00 (reference)	0.016
Adjusted analysis Frailty model P value	1.65 (1.01-2.69)	1.08 (0.68-1.70)	0.81 (0.50-1.30)	1.00 (reference)	0.022
RAF score >36 physical functioning scale score >90 P value	1.65 (1.02-2.76)	1.05 (0.67-1.83)	0.81 (0.50-1.31)	1.00 (reference)	0.016
Frailty number of falls during follow-up P value	1.65 (1.02-2.77)	1.04 (0.70-1.85)	0.81 (0.52-1.42)	1.00 (reference)	0.018
Baseline estradiol P value	1.75 (1.06-2.87)	1.07 (0.64-1.59)	0.79 (0.46-1.23)	1.00 (reference)	0.002
Baseline testosterone P value	1.72 (1.05-2.83)	1.06 (0.67-1.66)	0.82 (0.50-1.34)	1.00 (reference)	0.021
Baseline C-reactive protein P value	1.68 (1.02-2.76)	1.18 (0.70-1.76)	0.81 (0.50-1.31)	1.00 (reference)	0.019
Baseline C-peptide P value	1.69 (1.04-2.77)	1.08 (0.67-1.67)	0.84 (0.52-1.35)	1.00 (reference)	0.022
Baseline 25(OH)D P value	1.50 (0.97-2.60)	0.99 (0.66-1.64)	0.88 (0.51-1.40)	1.00 (reference)	0.040
P value	0.000	0.000	0.000	-	-
Summary multivariate model P value	1.72 (0.98-3.02)	1.21 (0.71-2.05)	0.84 (0.48-1.46)	1.00 (reference)	0.029
	0.000	0.000	0.000	-	-

\*CIs = serum C-terminal teleopeptide of type I collagen; PNP = arionic pentonectin proline oligopeptide; SF-36 = Short Form-36. †Median of age, race or ethnicity, and blood sample date and controlled for age, body mass index, past history of hip fracture, history of fracture, smoking, alcohol use, and education level.

‡Frailty was defined as ≥3 of the following seven weakness, slow walking speed, exhaustion, low physical activity, and unintentional weight loss (23). §Mean daily intake of calcium from diet, supplements and medications per 100 mg (increased) and corticosteroid use (geographic region); frailty score number of falls and levels of dispensable steroids. Discrepancy between systolic C-PNP and C-C is due to rounding.

## 2.5 MeSH – 주제어 검색



### MeSH의 효용성?

- 엄청난 양의 의학 정보 중에서 원하는 정보를 효과적으로 검색할 수 있게 도와줌.
- 저자들마다 다르게 표현되는 동일한 개념을 누락 없이 모두 검색 가능
- 원하는 주제만 검색하여 그 주제에서 벗어난 경우를 배제시킴으로써 정확한 검색
- 개인 논문 발간 시, MeSH를 활용하면 정확한 용어 선정 가능

#### Keyword 검색 – Breast Cancer

검색창

Search: PubMed

PubMed 수행  
질의어

#### Query Translation:

```
"breast neoplasms" [MeSH Terms]
OR ("breast" [All Fields]
AND "neoplasms" [All Fields])
OR "breast neoplasms" [All Fields]
OR ("breast" [All Fields]
AND "cancer" [All Fields])
OR "breast cancer" [All Fields]
```

검색 결과수

Results: 1 to 20 of 212160

#### MeSH 검색 – Breast Cancer

Search: MeSH

#### Query Translation:

```
"Breast Neoplasms" [Mesh]
```

비교

PubMed 검색 시스템에 의한 자동 변환으로 키워드 검색 시 MeSH용어도 OR 조합하여 검색됨.

MeSH 용어로만 제한하여 검색하므로 구체적이고 상세한 검색결과만 열람 가능.

## 2.5 MeSH – 주제어 검색



### Case 5#.

식이요법 변화가 뇌졸중 발병 확률을 줄이는데 도움을 주는지 알고 싶습니다.



Keyword1: Cerebrovascular Accident

Keyword2: Dietary

### 1) MeSH 검색하기

More Resources

① [MeSH Database](#)

[Journals in NCBI Databases](#)

[Clinical Trials](#)

[E-Utilities](#)

[LinkOut](#)

MeSH

MeSH ② Cerebrovascular Accident

[Save search](#) [Limits](#) [Advanced](#)



### How To Search

1. 왼쪽 PubMed Services 에서 MeSH Database 선택

Tip ! PubMed 메인 검색창에서 MeSH로 변경 후 검색

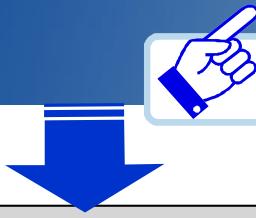
2. 상단의 MeSH 검색박스에 주제어 입력

(Cerebrovascular Accident)

3. 여러 주제어가 검색될 경우 알맞은 MeSH 선택 (Stroke)

Tip ! 각각의 MeSH 주제어 밑에 해당 주제어에 관한 간략한 설명이 제공

## 2) MeSH 상세정보



MeSH

MeSH Cerebrovascular Accident Search Help

Display Settings: Full

Save search Limits Advanced

**Stroke** (4)

A group of pathological conditions characterized by sudden, non-convulsive loss of neurological function due to BRAIN ISCHEMIA or INTRACRANIAL HEMORRHAGES. Stroke is classified by the type of tissue NECROSIS, such as the anatomic location, vasculature involved, etiology, age of the affected individual, and hemorrhagic vs. non-hemorrhagic nature. (From Adams et al., Principles of Neurology, 6th ed, pp777-810)

Year introduced: 2008 (2000)

PubMed search builder options

Subheadings:

(5)

<input type="checkbox"/> blood	<input type="checkbox"/> ethnology	<input type="checkbox"/> prevention and control
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> etiology	<input type="checkbox"/> psychology
<input type="checkbox"/> chemically induced	<input type="checkbox"/> genetics	<input type="checkbox"/> radiography
<input type="checkbox"/> classification	<input type="checkbox"/> history	<input type="checkbox"/> radionuclide
<input type="checkbox"/> complications	<input type="checkbox"/> immunology	<input type="checkbox"/> imaging
<input type="checkbox"/> congenital	<input type="checkbox"/> metabolism	<input type="checkbox"/> radiotherapy
<input type="checkbox"/> diagnosis	<input type="checkbox"/> microbiology	<input type="checkbox"/> rehabilitation
<input type="checkbox"/> diet therapy	<input type="checkbox"/> mortality	<input type="checkbox"/> surgery
<input type="checkbox"/> drug therapy	<input type="checkbox"/> nursing	<input type="checkbox"/> therapy
<input type="checkbox"/> economics	<input type="checkbox"/> parasitology	<input type="checkbox"/> ultrasonography
<input type="checkbox"/> embryology	<input type="checkbox"/> pathology	<input type="checkbox"/> urine
<input type="checkbox"/> enzymology	<input type="checkbox"/> physiopathology	<input type="checkbox"/> veterinary
<input type="checkbox"/> epidemiology		<input type="checkbox"/> virology

(6) Add to search builder AND Search PubMed

Related information

- PubMed
- PubMed - Major Topic
- Clinical Queries
- NLM MeSH Browser

Search details

"stroke" [MeSH Terms] OR Cerebrovascular Accident [Text Word]

Search See more.



## How To Search

4. 원하는 주제어 선택 시,  
해당 주제어의 상세 페이지로  
이동

5. 알맞은 부표제어 선택  
6. 검색어로 포함하고자 할  
경우, 불리언 연산자 설정 후  
Add to search builder 선택

7. 검색어 추가



## Searching Tip

1. Restrict Search to Major Topic  
**headings only:** 주제어가 Main Point인 기사만 검색

2. Do Not Explode this term: 해  
당 주제어의 하위 주제어 포함하  
지 않고 검색

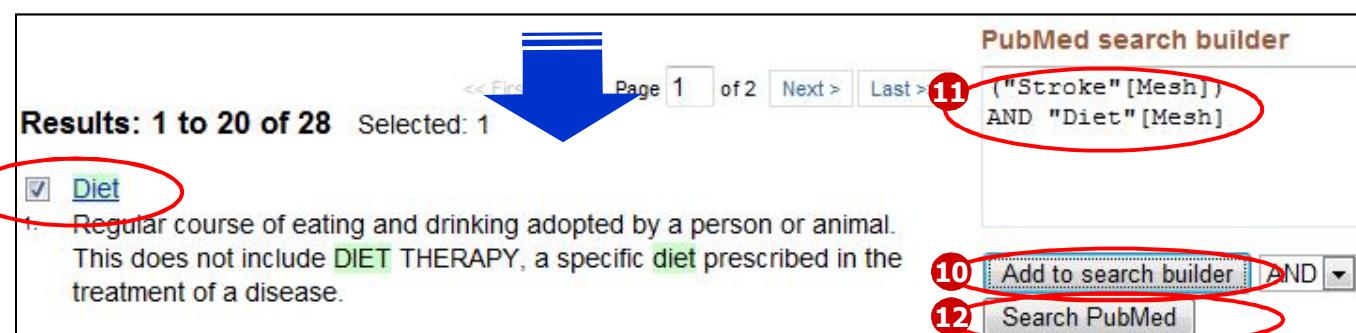


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### 3) 다른 MeSH 주제어와 연산



MeSH  8 tary



Results: 1 to 20 of 28 Selected: 1  
Page 1 of 2 Next > Last > 1.1 ("Stroke" [Mesh])  
AND "Diet" [Mesh]

9  Diet  
1. Regular course of eating and drinking adopted by a person or animal. This does not include DIET THERAPY, a specific diet prescribed in the treatment of a disease.

10 Add to search builder AND ▾  
12 Search PubMed



8. 조합하고자 하는 다른 검색어 입력 (Dietary)

9. 검색결과에서 알맞은 주제어 선택 (Diet)

Tip ! 왼쪽의 체크박스 선택 시, 검색결과 화면에서 바로 검색박스로 출력 가능

10. 부표제어 등을 선택 후 Send to 에서 불리언 연산자 선택 후 Add to Search Builder

11. 검색박스에 알맞은 검색식이 설정되었음을 확인

12. Search PubMed 선택



## 4) MeSH를 이용한 키워드 추출

### SR 검색어 추출

\* 키워드: Cerebrovascular Accident

#### Stroke

1. A group of pathological conditions characterized by sudden, non-convulsive loss of neurological function due to BRAIN ISCHEMIA or INTRACRANIAL HEMORRHAGES. **Stroke** is classified by the type of tissue NECROSIS, such as the anatomic location, vasculature involved, etiology, age of the affected individual, and hemorrhagic vs. non-hemorrhagic nature. (From Adams et al., Principles of Neurology, 6th ed, pp777-810)  
Year introduced: 2008 (2000)

#### Entry Terms:

- Strokes
- Cerebral **Stroke**
- Cerebral Strokes
- **Stroke**, Cerebral
- Strokes, Cerebral
- Vascular Accident, Bra
- Brain Vascular Accide
- Brain Vascular Accide
- Vascular Accidents, Br
- Cerebrovascular Apop
- Apoplexy, Cerebrovasc
- Cerebrovascular **Strok**

#### Previous Indexing:

- [Cerebrovascular Disorders \(1964-1999\)](#)
- [Intracranial Arteriosclerosis \(1965-1999\)](#)
- [Intracranial Embolism and Thrombosis \(1965-1999\)](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Nervous System Diseases](#)

[Central Nervous System Diseases](#)

[Brain Diseases](#)

[Cerebrovascular Disord](#)

**Stroke**

[Brain Infa](#)

[Br](#)

[Ce](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Cardiovascular Diseases](#)

[Vascular Diseases](#)

### 논문 키워드 추출

\* 대한의료정보학회지 투고지침

#### (2) 초록(Abstracts)과 중심단어(Key Words)

\* 초록은 1) 연구목적(Objective), 2) 방법(Methods), 3) 결과(Results), 4) 결론(Conclusion)의 네 항목으로 구분하여 순서대로 작성한다.

\* 초록에는 연구목적, 얕어진 새로운 지견, 연구에서 도출되는 결론을 포함하고 있어서 초록만으로도 논문의 요지를 자명하게 알 수 있도록 작성한다.

\* 초록은 영문 200 단어 미내로 작성하며, 초록 내용 중에는 약자 to 쓰지 않는다.

\* 요약의 하단에는 5개 미내의 중심단어(Key words)를 영어로만 표시한다. 중심단어는 미국국립의학도서관의 의학용어주제용어(Medical Subject Heading; MeSH)의 목록에 포함되어 있는 용어에서 논문의 중심개념에 쉽게 접근할 수 있는 단어를 선택한다(MeSH: URL <http://www.nih.gov/mesh/meshhome.html>).

\* 중심단어의 첫 단어는 모두 대문자로 표기한다. (ex) Mobile Computing, Lossless Image Compression, Unified Medical Language System

\* 대한한의학회지 투고지침

초록 아래에 논문의 주제어(중심단어, key words)를 6개 단어 미내로 표기한다. 이때 주제어는 인데 메디커스(Index Medicus)에 나열된 의학주제용어(MeSH:Medical Subject Heading)를 사용해야 한 악처방명이거나 경혈명일 때는 중국어 발음을 팔호안에 병기한다.



PubMed POP Quiz!

Quiz 2!

## 퀴즈 2. 글루코사민에 알맞은 주제어

를 포함한 검색을 하고자 합니다. 알맞

은 검색식은?

1. Glucosamine

2. Glucosamine[MeSH]

3. Glucosamine[TW]



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Health

## 퀴즈 3. 신문에서 스크랩한 기사를 검색하고자

할때, 아래 어떤 PubMed Features가 유용할까요?

(Shared Decision Making and Patient autonomy)

1. 검색창에 (Shared decision making and patient autonomy[Title])라고 입력
2. Single Citation Matcher메뉴에 타이틀 입력
3. Advanced Search의 Search Builder에서 색인어 검색



# 키워드[Title]

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

PubMed shared decision making and patient autonomy[title] Search

Save search Limits Advanced

The following term was not found in PubMed: shared decision making and patient autonomy[title].

See the search [details](#).

No items found.



Searching Tip

필드코드 입력 시,  
하나의 구 혹은  
단어에만 적용됨

# Advanced Search

shared decision making[Title]

Limits Details Help

Search Preview Clear

Search Builder

Title AND

shared decision making (469)  
shared decision making approach (3)  
shared decision making behaviors (2)  
shared decision making intervention (3)  
shared decision making interventions (1)  
shared decision making model (1)  
shared decision making models (2)  
shared decision making preferences (3)  
shared decision making process (2)  
shared decision making processes (1)

Shared decision-making and patient autonomy.  
2. Sandman L, Munthe C. Theor Med Bioeth. 2009;30(4):289-310. Epub 2009 Aug 22. PMID: 19701695 [PubMed - indexed for MEDLINE]  
[Related citations](#)

Show Index  
Previous 200  
Next 200  
Close Index List

## 2.6 Advanced Search



### 1) Advanced Search

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

PubMed

Limits Advanced

Search

**Advanced Search**

**Search Builder**

All Fields Index

Add to Search Box with: AND OR NOT

[Search Builder Instructions](#)

**Search History**

Search	Most Recent Queries	Time	Result
#28	Search (Sickle cell anemia) AND ((Genetic Counseling[filter]) OR (Genetic Testing[filter]))	01:15:10	2072
#26	Search (Cancer Patients AND Chemotherapy AND Febrile Neutropenia) AND systematic[sb]	01:12:52	119
#25	Search (Acute Pancreatitis AND enteral nutrition AND hospital ) AND (Therapy/Broad[filter])	01:02:54	102
#24	Search (#18) AND #23 Limits: Systematic Reviews	00:57:29	3
#23	Search "Intelligence Tests"[Mesh]		

[More History](#) [Clear History](#)

[Search History Instructions](#)

**검색 이력  
(Search History)**

**그 외 검색으로  
연결**

MeSH Database  
Journals Database  
Single Citation Matcher  
Clinical Queries  
Topic-Specific Queries



### Searching Tip

1. Advanced Search는 Search Builder, History가 통합되어 제공되는 고급검색
2. 8시간 동안의 PubMed 검색 History가 상단에 보여지므로, 기존에 검색했던 검색식을 재조합 하여 검색 가능
3. 위 메뉴 이용 시 Feature Bar의 메뉴를 하나하나 선택할 필요 없이 간편하게 이용 가능
4. Advanced Search에서 검색식 완성 후, Limits 선택해도 검색어 유지됨.



## 2) 여러 필드코드 입력 가능

**Search Builder**

1 Author  AND 3 Add to Search Box

2 Groves A  
Groves AM

[Search Builder Instructions](#)



### Searching Tip

1. Search Builder에서 첫번째 검색필드 및 검색어 입력 (groves a-Author)
2. 키워드 자동완성 (Frequency 순으로 보여짐)
3. Add to Search Box
4. 두번째 검색 필드 및 검색어 입력 (Positron- MeSH Terms)
5. Show Index를 누르면 해당 검색어의 색인현황 및 결과를 확인할 수 있음.
6. Ctrl을 이용하여 여러 주제어 선택 가능
7. 불리언 연산자 설정 후, Add to Search Box를 누르면, 여러 개 선택한 주제어는 OR로 조합됨.

groves a [Author]

Limits Details Help      Search Preview Clear

**Search Builder**

4 MeSH Terms  AND 7 Add to Search Box

5 Show Index

6 positron emission tomography (20000)  
positron emission tomography/adverse effects (62)  
positron emission tomography/classification (2)  
positron emission tomography/contraindications (7)  
positron emission tomography/economics (130)  
positron emission tomography/epidemiology (3)  
positron emission tomography/ethics (7)  
positron emission tomography/history (25)  
positron emission tomography/instrumentation (729)  
positron emission tomography/methods (7675)

Previous 200      Next 200      Close Index List

(Groves A [Author]) AND ("positron emission tomography/adverse effects" [MeSH Terms] OR "positron emission tomography/history" [MeSH Terms])

Limits Details Help      Search Preview Clear



## 4) 색인어 검색



### Case 3#.

아래 기사의 원문을 찾고 싶습니다.

국민일보

당뇨병도 성인난청 주요 원인

기사입력 2008-10-21 09:09

[기사원문보기]

이환율 2배 상승, 병발증으로 인식해야

【쿠키 건강】 【워싱턴】 미국립보건원(NIH)  
산하 미국립당뇨병·소화기·신장질환연구소  
(NIDDK)의 캐더린 코위(Catherine Cowie) 박  
사팀은 당뇨병 환자에서는 건강한 성인에  
비해 난청에 걸릴 확률이 2배 높다고 Annals  
of Internal Medicine(2008; 149: 1-10)에 발  
표했다.

고음역 난청 특히 많아

코위 박사는 “난청은 당뇨병의 병발증이 아닌 것 같지만 당뇨병이 증가함에 따라 난청의 주요 원인이 되고 있다”면서 당뇨병 환자는 청력 검사를 받아야 한다고 지적한다. 이미 여러 조사에서 청력장애와 당뇨병 사이에 밀접한 관련성이 나타나고 있다.

INDEX는 저자명, 저널명, 기사명 등 MEDLINE의 색인에 등록된 색인어를 선택하여 검색식을 조합할 수 있도록 도와주는 검색방법입니다.

주로 내가 소속된 기관이나 관심 있는 기관, 나라에서 발간한 기사 검색 시 유용합니다.



기존 키워드: Diabetes AND hearing loss

저자: Cowie, Catherine

저널: Annals of Internal Medicine



## How To Search

The screenshot illustrates the PubMed search process through several windows:

- Step 1: The first window shows the "Search Builder" interface with the "Full Author Name" field selected (circled in red) and the value "cowie, Catherine" entered.
- Step 2: The second window shows the search results for "cowie, Catherine". The top result, "cowie, Catherine (20)", is highlighted (circled in red).
- Step 3: The third window shows the "Search Builder" interface with the "Journal" field selected (circled in red) and the value "Annals of internal medicine" entered.
- Step 4: The fourth window shows the search results for "Annals of internal medicine". The top result, "Annals of internal medicine (26790)", is highlighted (circled in red).
- Step 5: The fifth window shows the search results for "Annals of internal medicine". The top result, "Annals of internal medicine (26790)", is highlighted (circled in red).
- Step 6: The sixth window shows the "Search Builder" interface with the "Add to Search Box with" buttons: AND, OR, NOT.
- Step 7: The seventh window shows the search results for "Annals of internal medicine". The top result, "Annals of internal medicine (26790)", is highlighted (circled in red).
- Step 8: The eighth window shows the search bar with the query: ("cowie, Catherine"[Full Author Name]) AND ("annals of internal med").
- Step 9: The ninth window shows the search results for the combined query: ("cowie, Catherine"[Full Author Name]) AND ("annals of internal med").

1. 검색창 상단의 Advance Search 선택
2. Advanced Search 첫 번째 메뉴인 Search Builder에서 검색 필드 선택 (Ex. Full Author Name)
3. 검색창에 검색어 입력
4. Index 선택
5. 알맞은 색인어 선택
6. 불리언 연산자 선택
7. 동일한 방법으로 색인어 추가
8. 불리언 연산자 선택하면 상단 검색창에 검색어 완성
9. Search 버튼 선택
  - \* Preview버튼 선택 시, Search History에만 추가됨.



Tip9) 우리 기관 소속 이용자들이 발간한 논문 전체 검색하기

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

PubMed Limit 1 Advanced Search



**Search Builder**

2 **Affiliation** 3 seoul national university 4 Index

5 seoul national university (16086)  
 seoul national university 101 (1)  
 seoul national university 101 daehangno (1)  
 seoul national university 151 (1)  
 seoul national university 151 742 (1)  
 seoul national university 28 (2)  
 seoul national university 28 yongon (1)  
 seoul national university 28 yongon dong (1)  
 seoul national university and (26)  
 seoul national university and 3bio (1)

[Previous 200](#)  
[Next 200](#)  
[Close Index List](#)

Add to Search Box with: 6 AND OR NOT



**Search: PubMed** Limits Details Help

"seoul national university"[Affiliation] 7 Search Preview Clear

 **Health**



# *How To Search*

1. Advanced Search 선택
  2. Search Builder에서 검색 필드를 Affiliation으로 변경
  3. 소속 기관명 입력
  4. Index 선택
  5. 알맞은 색인어 선택
  6. 불리언연산자 선택
  7. 검색창에서 검색어 확인 후 Search 버튼 선택



## Tip10) 특정 이용자가 발간한 논문 전체 검색하기

PubMed

US National Library of Medicine  
National Institutes of Health

Search Builder

Author: heo\_

Heo, Dae Seog [Author]

Limits Details Help

Search Preview Clear

Results: 1 to 20 of 133

1. Protein induced by vitamin K absence or antagonist-II production is a strong predictive marker for extrahepatic metastases in early hepatocellular carcinoma: a prospective evaluation.  
Bae HM, Lee JH, Yoon JH, Kim YJ, Heo DS, Lee HS.  
BMC Cancer. 2011 Oct 10;11(1):435. [Epub ahead of print]  
PMID: 21985636 [PubMed - as supplied by publisher] Free Article  
[Related citations](#)

2. Clinical outcome of central nervous system metastases from breast cancer: differences in survival depending on systemic treatment.  
Kim HJ, Im SA, Keam B, Kim YJ, Han SW, Kim TM, Oh DY, Kim JH, Lee SH, Chie EK, Han W, Kim DW, Kim TY, Noh DY, Heo DS, Park IA, Bang YJ, Ha SW.  
J Neurooncol. 2011 Sep 22. [Epub ahead of print]  
PMID: 21938531 [PubMed - as supplied by publisher]  
[Related citations](#)

3. VEGF expression is related to good response and long progression-free survival in gastrointestinal stromal tumor patients treated with Sunitinib.

Wolters Kluwer Health

1. Advanced

2. Author

3. Heo, Dae Seog

4. AND

5. Search

First < Prev Page 1 of 7 Next > Last >>



## Tip11) 관심 주제 분야에 수록된 논문 전체 검색하기

PubMed.gov

US National Library of Medicine  
National Institutes of Health

PubMed

Search

Limit Advanced

Search Builder

MeSH Terms **2 infection**

AND Add to Search Box

"infection" [MeSH Terms]

Limits Details Help **4 Search** Preview Clear

Search Builder

MeSH Terms **3 infection** (522840)

infection/abnormalities (1)  
infection/adverse effects (17)  
infection/analysis (15239)  
infection/anatomy and histology (28890)  
infection/blood (12541)  
infection/cerebrospinal fluid (657)  
infection/chemical synthesis (1)  
infection/chemically induced (3243)  
infection/chemistry (5)

AND Add to Search

Show Index  
Previous 200  
Next 200  
Close Index List

Your PubMed search  
**5 Search: "infection" [MeSH Terms]**

Name of Search: "infection" [MeSH Terms]

Save Cancel

## 2.7 History - 기존 검색식 조합



### Case 6#.

SR 검색식

#1 "Osteoarthritis"[Mesh]

#2 degenerative arthritis[tw]

#3 Osteoarthritis\*[tw]

#4 #1 OR #2 OR #3

#5 "Glucosamine"[Mesh]

#6 "Chondroitin"[Mesh]

#7 #5 OR #6

#8 #1 AND #7



History 최근 검색기록의 임시 저장소라고 할 수 있습니다.

최대 8시간동안의 검색기록을 열람할 수 있으며 최대 100개의 기록이 임시 저장되며 검색번호를 통하여 기존에 검색한 검색식을 재조합하여 재검색 할 수 있습니다.

- Search: 검색번호

- Most Recent Queries: 검색어

- Time: 검색 시간

- Result: 검색 결과 수



## PubMed Advanced Search

1 "Osteoarthritis" [Mesh]

Limits Details Help

Search Preview Clear



3 Search History

Search	Most Recent Queries	Time	Result
#20 Search "Chondroitin"[Mesh]		00:43:15	8589
#19 Search "Glucosamine"[Mesh]		00:43:09	11861
#18 Search Osteoarthritis*[tw]		00:43:01	45293
#17 Search degenerative arthritis[tw]		00:42:55	932
#16 Search "Osteoarthritis" [Mesh]		00:42:35	36061

4 AND  
OR  
NOT  
Delete  
View  
Details  
Save in My NCBI



5 #16 OR #17 OR #18

Limits Details Help

Search Preview Clear

Health



## How To Search

1. Advanced Search의 검색창에 검색어 입력
2. 여러 검색어를 입력하여 조합 할 경우, Preview 선택
3. 하단의 Search History에 표기
4. 조합하고자하는 검색번호 선택 후, 불리언연산자 선택
5. 직접 입력할 경우 #숫자 불리언연산자 순으로 일일이 나열 해야 함.

Tip! 검색기록을 지우고 다시 검색하여도 8시간동안 이전 검색이력이 있을 수 있으므로 검색번호 확인 해야 함

## 2.8 Clinical Queries – 임상정보 검색



Clinical Queries에는 세 가지 검색방법이 있습니다.

### 1. Search by Clinical Study Category:

- 치료법, 진단법 등 임상 시 필요한 정보만 추출하여 검색

### 2. Find Systematic Review:

- Systematic Review, Meta-Analysis, Clinical Trial, Clinical Reviews, Guidelines 등

### 3. Medical Genetics Studies:

- 유전학과 관련된 다양한 자료 검색



Why Clinical Queries?

1. 쉽고 빠르게 임상관련 정보만 검색 가능
2. 찾고자 하는 기사에만 초점을 맞추어서 검색 가능 (Not too Many Articles)
3. High-Quality

▷ You make a clinical decision or recommendation without having to dig through many Citations looking for "good stuff"

## 2.7 Clinical Queries – 임상정보 검색



### Case 6#.

당신의 환자는 장기간의 알콜중독을 앓고 있는 47세의 중년여성입니다. 그녀는 3일간 상복부 복통, 식욕부진, 메스꺼움으로 입원중에 있습니다. 췌장효소 상승과 1.5g/dL의 알부민 레벨을 제외한 진단 검사 결과는 정상입니다. 24시간 후, 그녀는 배고픔을 느끼지만 당신은 그녀에게 금식을 권유하였습니다. 현재 당신은 그녀의 영양상태가 걱정스러워 음식을 줄 수 있는 방법이 없는지 알고 싶습니다.” 심한 췌장염 환자에게, Enteral versus parenteral nutrition이 환자의 입원기간을 줄이는데 도움이 되는지 알고 싶습니다.



**Keyword:** Acute Pancreatitis AND enteral nutrition AND hospital / therapy

#### Keyword 검색

#### Clinical Queries

검색 결과수

Results: 1 to 20 of 142

Results: 1 to 20 of 34

비교

해당 키워드의 전체 검색결과 제공

검색결과 중 임상관련 정보만 필터링하여 제공



## Case 7#.

최근에 로체스터의대와 듀크대학 종합 암센터의 연구진이 공동 연구한 바에 의하면 백혈구 생산을 촉진하는 약을 투여 받는 암환자들은 항암치료와 관련된 합병증인 고열과 백혈구 수치 저하로 사망할 가능성이 낮다는 연구결과가 나왔다고 합니다. 위 연구 결과에 관한 Systematic Review 정보를 검색하고 싶습니다.

Cancer Patients AND Chemotherapy AND Febrile Neutropenia

Clinical Study Categories	Systematic Reviews	Medical Genetics
Category: Therapy Scope: Broad	Results: 5 of 145 Adverse events risk associated with bevacizumab addition to breast cancer chemotherapy: a meta-analysis [Ann Oncol. 2011] Trastuzumab combined to neoadjuvant chemotherapy in patients with HER2-positive breast cancer: A systematic review [Breast. 2011] Use of colony-stimulating factors with chemotherapy: opportunities for cost savings and improvement [J Natl Cancer Inst. 2011] Magnitude of risks and benefits of the addition of bevacizumab to chemotherapy for advanced breast cancer [J Exp Clin Cancer Res. 2011] Short versus long duration infusions of paclitaxel for any advanced adenocarcinoma [Cochrane Database Syst Rev. 2011]	Results: 5 of 88 Concurrence of UGT1A polymorphism and end-stage renal disease leads to severe toxicities of irinotecan in a patient [Tumori. 2011] Phase 1 study of epigenetic priming with decitabine prior to standard induction chemotherapy for patients with [Blood. 2011] TP53 status for prediction of sensitivity to taxane versus non-taxane neoadjuvant chemotherapy in breast cancer [Lancet Oncol. 2011] Mannose-binding lectin (MBL) and the risk for febrile neutropenia and infection in pediatric oncology [Pediatric Blood & Cancer. 2011] Carboplatin and gemcitabine combination in metastatic triple-negative anthracycline- and taxane-pretreated breast cancer [J Chemother. 2011]
<a href="#">See all (4568)</a>	<a href="#">See all (145)</a>	<a href="#">See all (88)</a>

## Clinical Study Categories

1. Clinical Research 보고서 및 특정 방법론에 의해 연구된 기사만 제한하도록 설정된 제한자를 사용하여 결과 제공

## Systematic Reviews

1. 키워드와 관련된 Systematic Review 기사만 제공
2. PubMed 검색창에 키워드 AND Systematic[sb]만 입력하여도 동일한 결과 제공
3. PubMed에서 이미 설정한 필터링공식에 의해 검색

## Medical Genetics

1. 입력한 키워드 검색결과 중, 유전학관련 기사만 필터링하여 제공



## III. My NCBI!

# 3.1 My NCBI - 계정 생성

The screenshot shows the PubMed homepage with the 'My NCBI' registration process highlighted. Step 1 shows the 'Register' link in the top right corner. Step 2 highlights the registration form fields: Username, Password, Repeat Password, Security Question, Answer, and CAPTCHA. Step 3 highlights the 'Sign In | My NCBI' link in the top right corner of the registration page. Step 4 highlights the sign-in form fields: Username, Password, Keep me signed in, and Remember my username.

A service of the U.S. National Library of Medicine  
and the National Institutes of Health

NCBI

PubMed

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals

Search PubMed for Go Clear Advanced Search

About Entrez Text Version

Entrez PubMed Overview Help | FAQ Tutorials New/Noteworthy E-Utilities

PubMed Services Journals Database MeSH Database Single Citation Matcher Batch Citation Matcher Clinical Queries Special Queries LinkOut My NCBI

Related Resources

My NCBI

Table of Contents

My NCBI Home My Saved Data Search Filters Preferences About My NCBI

Username: 아이디 입력하세요

Password: \*\*\*\*\*

Repeat Password: \*\*\*\*\*

Keep me signed in

Remember my username

Security Question: Pet's Name

Answer: 비밀번호 힌트

RR4CA

Please type the five characters you see above.

You can provide an e-mail address (optional)

Sign In | My NCBI

Welcome to My NCBI

Use My NCBI to save your searches and data, and to set NCBI Web site preferences [About My NCBI...](#)

Sign into My NCBI

Username: algul

Password: \*\*\*\*\*

Keep me signed in

Remember my username

Sign In

See more sign in options for My NCBI partner organizations.

Health



## My Bibliography

Your bibliography contains 201 items.

Share your bibliography with this URL:

[http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1Zc\\_m\\_c5scZ0Mi7ltEh9sBe/?sort=date&direction=ascending](http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1Zc_m_c5scZ0Mi7ltEh9sBe/?sort=date&direction=ascending)

### Most recently added citations:

Whiteside TL, Heo DS, Chen K, Adler A, Johnson JT, Herberman RB. Expansion of tumor-infiltrating lymphocytes from human solid tumors in interleukin-2. *Prog Clin Biol Res.* 1987;244:213-22. PubMed PMID: 3309998.

Kim HJ, Heo DS, Bang YJ, Lee SJ, Choi DH, Park SY, Kim BK, Kim NK, Heo M, Lee M. Multiple myeloma in Korea—clinical analysis and treatment results in 61 cases. *Korean J Intern Med.* 1987 Jan;2(1):120-4. PubMed PMID: 3154811.

Heo DS, Whiteside TL, Johnson JT, Chen KN, Barnes EL, Herberman RB. Long-term interleukin 2-dependent growth and cytotoxic activity of tumor-infiltrating lymphocytes from human squamous cell carcinomas of the head and neck. *Cancer Res.* 1987 Dec 1;47(23):6353-62. PubMed PMID: 3315186.

Whiteside TL, Heo DS, Takagi S, Johnson JT, Iwatsuki S, Herberman RB. Cytolytic antitumor effector cells in long-term cultures of human tumor-infiltrating lymphocytes in recombinant interleukin 2. *Cancer Immunol Immunother.* 1988;26(1):1-10. PubMed PMID: 3257898.

Whiteside TL, Heo DS, Takagi S, Herberman RB. Characterization of novel anti-tumor effector cells

[Manage My Bibliography »](#)

## 저장된 검색식

Search Name	What's New	Last Searched
<b>PubMed Searches</b>		
"infection"[MeSH Terms]		0 today
Helicobacter pylori AND non-ulcer dyspepsia AND improve symptoms		2 years ago

[Manage Saved Searches »](#)

## 저장된 기사

Collection Name	Items	Privacy	Type
My Bibliography	201	Public	Standard
Other Citations	0	Private	Standard
2 items	4	Private	PubMed
MEDLINE List	1000	Private	NLM Catalog

[Manage Collections »](#)

## 나만의 필터

Filters for: PubMed (5 active)		
Active	Name	Type
<input checked="" type="checkbox"/>	heo dae seog[AU]	Custom
<input checked="" type="checkbox"/>	Links to PMC	Standard filter
<input checked="" type="checkbox"/>	Meta-analysis	Standard filter
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea	Standard filter
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea	Standard provider icon

[Manage Filters »](#)

## 3.2 Save Search – 검색식 저장

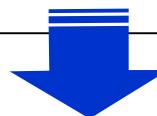


관심 있는 검색식을 저장하는 기능으로, 저장된 검색식의 최근 업데이트 내용을 이메일로 주기적으로 전송 받을 수 있습니다. 키워드, 저널, 저자의 기사 등으로 설정할 수 있으며 연구분야의 최신 내용을 자동적으로 접할 수 있는 장점이 있습니다.

The screenshot shows the PubMed search interface. The search term is 'Helicobacter pylori AND non-ulcer dyspepsia AND ir'. The results show 14 items. The first result is checked and highlighted. A context menu is open over the first result, with the 'Save Search' option circled in red and numbered 1. To the right of the search results is a 'Recent Activity' sidebar.

**Recent Activity**

- Turn Off Clear
- Helicobacter pylori AND n... (14)
- Patterns of gastritis and the effect of eradicating
- patterns of gastritis and... (37)
- PubMed for Journals (Sele... (25852) PubMed
- Ann Intern Med



Your PubMed search  
Search: neoplasm

Name of Search ② 검색식 저장 명칭

③ Save Cancel

A dialog box titled 'Your PubMed search' shows a search term 'neoplasm'. Below it, a field labeled 'Name of Search' contains the Korean text '검색식 저장 명칭' (Save Search Name). At the bottom left is a 'Save' button, which is circled in red and numbered 3. A 'Cancel' button is also present.

### Searching Tip

- 상단의 Save Search 선택
- My NCBI 팝업 창이 나타나면, 저장할 명칭 입력
- Save 선택



Your PubMed search  
**Search:** neoplasm

**① Name of Search:** 검색식 저장 명칭

E-mail: khpark@neca.re.kr

**② Would you like e-mail updates of new search results?**

No thanks.  
 Yes, once a month.  
    Which day? the first Saturday

Yes, once a week.  
    Which day? Saturday

Yes, every day.

**③ Formats:**  
Report format: Summary

**④ Number of items:**  
Send at most: 5 items   Send even when there aren't any new results

**⑤ Any text you want to be added at the top of your e-mail (optional):**

**⑥**



## Searching Tip

1. Save Search의 명칭 입력
2. 이메일 전송받을 주기 선택  
(매달, 매주, 매일)
3. 전송받을 내용 선택  
(Summary, Abstract, Abstract Plus, Citation, MEDLINE)
4. 최대 아티클 수 선택  
(최대 500개까지 전송 가능)
5. 부가 입력할 내용
6. Save 선택



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### 3.3 Filter – 검색결과 필터링

#### 자주 이용하는 필터

1 Popular

Search with terms (optional):  Search

Active	Name	Description
<input type="checkbox"/>	Clinical Trial	
<input type="checkbox"/>	English	
<input type="checkbox"/>	English & Humans	
<input checked="" type="checkbox"/>		(all available free of charge)



Filter는 특정 제한자, 특정 간행물 형태, 특정 기관에서 원문 제공 가능한 기사들만 검색결과로 출력하는 기능입니다.

#### 소속기관 원문

2 LinkOut

Search with terms (optional): 3 seoul national university Search

Active	Name	Description
<input type="checkbox"/>	Seoul National University Dental	Korea
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea (website)	



#### Searching Tip

#### 내가 설정한 필터

5 YOUR PubMed Filter List Create custom filter

Active	Name	Type	
<input checked="" type="checkbox"/>	heo dae seog[AU]	Custom	
<input checked="" type="checkbox"/>	Free Full Text	Standard filter	
<input checked="" type="checkbox"/>	Links to PMC	Standard filter	
<input checked="" type="checkbox"/>	Meta-analysis	Standard filter	
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea	Standard filter	
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea	Standard provider icon	

1. Popular: 자주 이용하는 필터 제공, 나열된 필터기능 중에서 원하는 필터 선택
2. LinkOut: 내가 속한 소속기관의 원문링크 필터링
3. 소속기관 검색
4. Filter, Link Icon 모두 선택
5. 내가 설정해 놓은 필터 열람

# Custom 필터

Active	Name	Type
<input checked="" type="checkbox"/>	heo dae seog[AU]	
<input checked="" type="checkbox"/>	Free Full Text	
<input checked="" type="checkbox"/>	Links to PMC	
<input checked="" type="checkbox"/>	Meta-analysis	
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea	
<input checked="" type="checkbox"/>	Seoul National University Medical Library, Korea	

6 Create custom filter

Add Custom Filter in PubMed

Supply query terms to be used as a filter in PubMed:

Query terms: 7 neo, dae seog [AU]

8 Test This Query

9 133 results found.

Save filter as: 10 heo dae seog AU

Cancel 11 Save Filter



## Searching Tip

6. Custom 필터 생성: 내가 설정한 검색식의 필터링 설정
7. 검색식 입력: 저자명, 키워드 등 가능
8. Test This Query 버튼 선택으로 검색
9. 검색결과 수 확인
10. Save Filter
11. 필터링 설정 시, 검색결과 우측에 나열됨.

Display Settings:  Summary, 20 per page, Sort by Date Recently Added Send to:  Filter your results:

Results: 1 to 20 of 2327227 << First < Prev Page 1 of 116362 Next > Last >> 12

All (2327227)

Free Full Text (380106)

Links to PMC (148854)

Meta-analysis (5082)

Seoul National University Medical Library, Korea (137459)

heo dae seog[AU] (113)

Manage Filters

1. Acute lymphoblastic leukemia: age and biology  
Foà R. Pediatr Rep. 2011 Jun 22;3 Suppl 2:e2. PMID: 22053278 [PubMed - in process] Related citations

2. Inactivation of polycomb repressive complex 2 components in myeloproliferative and myelodysplastic/myeloproliferative neoplasms.

### 3.4 Bibliographies– 서지관리



Bibliographies는 이용자가 스크랩한 논문을 My NCBI에 저장하여 쉽게 관리

할 수 있고, 쉽게 접근할 수 있도록 만들어진 기능입니다.

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to:

Results: 1 to 20 of 133

1. [Protein induced by vitamin K absence or antagonist-II production is a](#)  
[extrahepatic metastases in early hepatocellular carcinoma: a prospec](#)

Bae HM, Lee JH, Yoon JH, Kim YJ, Heo DS, Lee HS.

BMC Cancer. 2011 Oct 10;11(1):435. [Epub ahead of print]

PMID: 21985636 [PubMed - as supplied by publisher] Free Article

[Related citations](#)

2. [Clinical outcome of central nervous system metastases from breast cancer: differences in survival depending](#)  
[on systemic treatment.](#)

Kim HJ, Im SA, Keam B, Kim YJ, Han SW, Kim TM, Oh DY, Ki

Noh DY, Heo DS, Park IA, Bang YJ, Ha SW.

J Neurooncol. 2011 Sep 22. [Epub ahead of print]

PMID: 21938531 [PubMed - as supplied by publisher]

[Related citations](#)

3. [VEGF expression is related to good response and long prog](#)  
[tumor patients treated with Sunitinib.](#)

Koh Y, Lee HE, Im SA, Kim SH, Kim TM, Han SW, Oh DY, Ki

Bang YJ.

Diagn Mol Pathol. 2011 Sep;20(3):143-7. doi: 10.1097/PDM.0b013e3182107ea0.

PMID: 21817899 [PubMed - in process]

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Add 133 items.

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Or cancel and return to your selections.

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2. Add to My Bibliography 선택
3. My Bibliography 선택
4. Save



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Your bibliography contains 4133 items.

Share your bibliography with this URL:  
[http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1Zc\\_m\\_c5scZ0Mi/IEh9sBeI?sort=date&direction=ascending](http://www.ncbi.nlm.nih.gov/sites/myncbi/collections/public/1Zc_m_c5scZ0Mi/IEh9sBeI?sort=date&direction=ascending)

5 Most recently added citations:

Kim JH, Bang YJ, Park BJ, Yoo T, Kim CW, Kim TY, Heo DS, Lee HS, Kim NK. Hepatitis B virus infection and B-cell non-Hodgkin's lymphoma in a hepatitis B endemic area: a case-control study. *Jpn J Cancer Res.* 2002 May;93(5):471-7. PubMed PMID: 12036441.

Kim TY, Yang SH, Lee SH, Park YS, Im YH, Kang WK, Ha SH, Park CI, Heo DS, Bang YJ, Kim NK. A phase III randomized trial of combined chemoradiotherapy versus radiotherapy alone in locally advanced non-small-cell lung cancer. *Am J Clin Oncol.* 2002 Jun;25(3):238-43. PubMed PMID: 12040280.

Kim DW, Bang YJ, Park BJ, Yoo T, Kim CW, Kim TY, Heo DS, Lee HS, Kim NK. Hepatitis B virus infection and B-cell non-Hodgkin's lymphoma in a hepatitis B endemic area: a case-control study. *Jpn J Cancer Res.* 2002 May;93(5):471-7. PubMed PMID: 12036441.

Bang YJ, Kang WK, Park BJ, Yoo T, Kim CW, Kim TY, Heo DS, Lee HS, Kim NK. Hepatitis B virus infection and B-cell non-Hodgkin's lymphoma in a hepatitis B endemic area: a case-control study. *Jpn J Cancer Res.* 2002 May;93(5):471-7. PubMed PMID: 12036441.

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Select: All, None 2 items selected | Move | Delete | View | Suggest | Add citation

You have 2 suggestions for your bibliography

**Journal Articles**

- 1:  Kim KH, Kim TM, Go H, Kim WY, Jeon YK, Lee SH, Kim DW, In Khwarg S, Kim CW, Heo DS. [Clinical significance of tumor-infiltrating FOXP3+ T cells in patients with ocular adnexal mucosa-associated lymphoid tissue lymphoma](#). *Cancer Sci.* 2011 Nov;102(11):1972-6. doi: 10.1111/j.1349-7006.2011.02051.x. Epub 2011 Sep 6. PubMed PMID: 21812857.  
[Related citations](#)
- 2:  Bae HM, Lee JH, Yoon JH, Kim YJ, Heo DS, Lee HS. [Protein induced by vitamin K absence or antagonist-II production is a strong predictive marker for extrahepatic metastases in early hepatocellular carcinoma: a prospective evaluation](#). *BMC Cancer.* 2011 Oct 10;11(1):435. [Epub ahead of print] PubMed PMID: 21985636.  
[Related citations](#)
- 3:  Kim HJ, Im SA, Keam B, Kim YJ, Han SW, Kim TM, Oh DY, Kim JH, Lee SH, Chie EK, Han W, Kim DW, Kim TY, Noh DY, Heo DS, Park IA, Bang YJ, Ha SW. [Clinical outcome of central nervous system metastases from breast cancer: differences in survival depending on systemic treatment](#). *J Neurooncol.* 2011 Sep 22. [Epub ahead of print] PubMed PMID: 21938531.  
[Related citations](#)



## How To Search

4. My NCBI의 My Bibliography  
에 스크랩한 논문 저장된 것 확인 가능
5. 내가 설정한 My Bibliography 고유 URL로 언제 어디서나 손쉽게 접근 가능 (공개/비공개 설정 가능)
6. 편집 가능

### Related PubMed Citations

- Phase II clinical study on the modified DCF regimen for treatment of [Chin Med J (Engl). 2011]
- PIK3CA exon 20 mutations as a potential biomarker for resistance to anti [Ann Oncol. 2011]
- Establishing an EGFR mutation screening service for non-small cell lung [Eur J Cancer. 2011]
- Perioperative docetaxel, cisplatin, and 5-fluorouracil (DCF) for locally ad [Ann Oncol. 2011]
- Expression of ALB1 protein as a prognostic factor in breast cancer. [World J Surg Oncol. 2011]

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### 3.5 Preferences – 환경설정



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- Purple
- Aqua
- Gold
- Yellow
- Sky Blue
- Lime Green
- Hot Pink
- Red

Save

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Green  
None  
None



#### How To Search

1. My NCBI에서 Custom This Page선택
2. Highlighting 선택
3. 원하는 Highlight 색깔 선택
4. 검색결과에서 키워드에 색깔 표시됨.

③ → ④

③ Red

④ neoplasms

Search PubMed for heoplasma

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort By

All: 2099187 Review: 235433

Items 1 - 20 of 2099187

1: Predictors of postoperative stricture after esophageal endoscopy in patients with esophageal neoplasms

Ono S, Fujishiro M, Niimi K, Goto O, Kodashima S, Yamamichi H, Endoscopy. 2009 Jun 29. [Epub ahead of print]

PMID: 19565442 [PubMed - as supplied by publisher]

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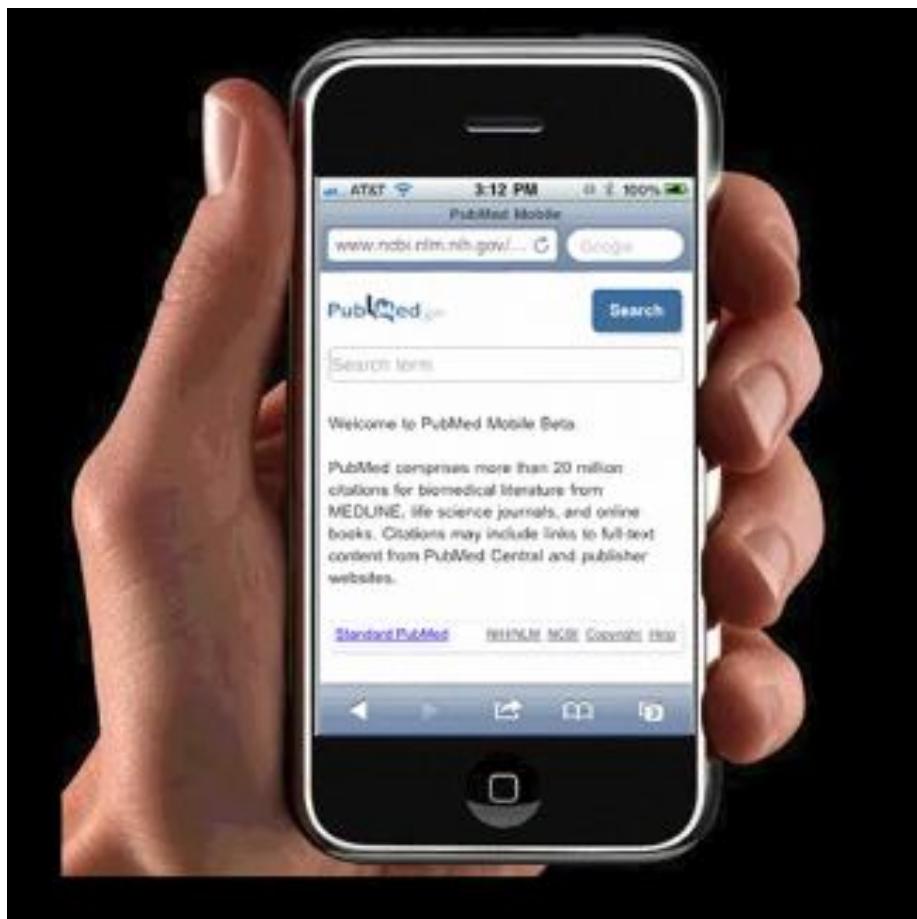
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phototherapy diabetic neuropathy

Search Results (23)

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[Complementary therapy in diabetic patients with chronic complications: a pilot study.](#)  
Palacka P, et al. Bratisl Lek Listy. 2010

[Laserotherapy of diabetic angiopathy.](#)  
Zolotova NB, et al. Vopr Kurortol Fizioter

[Phototherapy \(LEDs 660/890nm\) in the patients: case study.](#)  
Minatel DG, et al. An Bras Dermatol. 200

[Treatment of osteomyelitis in the feet of antimicrobial chemotherapy.](#)  
Tardivo JP, et al. Photomed Laser Surg

[Pulsed infrared light therapy does not in blood of patients with type 1 and type 2.](#)  
Arnall DA, et al. Acta Diabetol. 2009

PubMed

phototherapy diabetic neuropathy

Phototherapy (LEDs 660/890nm) in the treatment of leg ulcers in diabetic patients: case study.

Minatel DG, et al. [Show all](#)  
Fisioterapeuta. Doutora em Biotecnologia pela Universidade Federal do Amazonas (UFAM), Manaus (AM), Brazil.

An Bras Dermatol. 2009 Jul;84(3):279-83. Article in English, Portuguese.

**Abstract**  
This study evaluated the use of phototherapy in the healing of mixed leg ulcers in two diabetic patients (type 2) with arterial hypertension. The device had probe 1 (one 660 nm LED, 5 mW) applied in 3 ulcers and probe 2 (32 690 nm LEDs associated with 4 660 nm LEDs, 600 mW) in 6 ulcers. After asepsis, ulcers were treated with probes to 3 J/cm<sup>2</sup>, 30 sec per point, twice a week, followed by topical daily dressing with 1% silver sulphadiazine during 12 weeks. The following analyses of ulcers with software Image J showed that probe 2 presented mean healing rates of 0.6, 0.7 and 0.9, whereas probe 1 had 0.2, 0.4 and 0.6 at 30, 60 and 90 days, respectively. Phototherapy accelerated wound healing of leg ulcers in diabetic patients.

PMID: 19668943 [PubMed - indexed for MEDLINE]  
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