

PUBMED, A TOOL FOR PROFESSIONALS ?

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PRÉSENTATION ABD
JUN 2007

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PUBMED IS A PORTAL

WHAT IS A PORTAL ?

- A REFERENCE SITE
- PANEL OF RESOURCES
- SERVICES
- IN A FIELD

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RESOURCES ?

⇒ BIOMEDICAL RESOURCES

⇒ MEDLINE

⇒ OTHER DB

⇒ TOOLS :

JOURNALS DATABASE, MESH DATABASE, SINGLE CITATION MATCHER, CLINICAL QUERIES, MY NCBI (CUBBY), ACCÈS À DES DB...

⇒ LINKS TO NLM

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The image shows a screenshot of the PubMed.org website in a Microsoft Internet Explorer browser window. The browser title is "Entrez PubMed - Microsoft Internet Explorer". The address bar shows "http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?". The main content area features a search bar with "PubMed" selected in the dropdown and "for" in the input field. Below the search bar are buttons for "Limits", "Preview/Index", "History", "Clipboard", and "Details". A sidebar on the left contains a navigation menu with categories like "Entrez PubMed", "PubMed Services", "Related Resources", and "My NCBI".

Annotations on the screenshot include:

- A red box highlights the search bar and the "Limits", "Preview/Index", "History", "Clipboard", and "Details" buttons.
- A green box highlights the "Set up an automated PubMed update in My NCBI" section, with a red arrow pointing to the "My NCBI" link in the sidebar.
- A red box highlights the "PubMed Services" section, with a red arrow pointing to the "PubMed Services" link in the sidebar.
- A red box highlights the "Related Resources" section, with a red arrow pointing to the "Related Resources" link in the sidebar.

Text labels with red arrows pointing to the corresponding sections:

- Entrez Pubmed** (points to the My NCBI section)
- Pubmed Services** (points to the PubMed Services section)
- Related ressources** (points to the Related Resources section)

ENTREZ PUBMED

- **TEXT VERSION**
- **OVERVIEW** DESCRIPTION OF PUBMED.
- **HELP**
- **FAQ**
- **NEW/NOTEWORTHY** : BRIEF ANNOUNCEMENTS HIGHLIGHTING RECENT ENHANCEMENTS AND CHANGES TO THE PUBMED, JOURNALS, AND MESH DATABASE

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PUBMED SERVICES

- **JOURNALS DATABASE** : 4800 TITLES
- **MESH DATABASE** : 22 000 WORDS
- **SINGLE CITATION MATCHER**
- **CLINICAL QUERIES** : FILTERS TO AID CLINICIANS TO SEARCH LITTÉRATURE FOR RELEVANT CLINICAL ARTICLES
- **LINKOUT ACCÈS** : LINKS TO RELEVANT WEB ACCESSIBLE RESOURCES (ALSO FULL TEXT)
- **MY NCBI** : CUSTOMIZE YOUR SEARCH EXPERIENCE (QUERRIES, UPDATE...)

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RELATED RESSOURCES

- **TOXNET®** : INFORMATION RESOURCES AND SERVICES IN TOXICOLOGY, ENVIRONMENTAL HEALTH, CHEMISTRY, AND HIV/AIDS.
- **CONSUMER HEALTH** : CAREFULLY SELECTED LINKS TO WEB RESOURCES WITH HEALTH INFORMATION.

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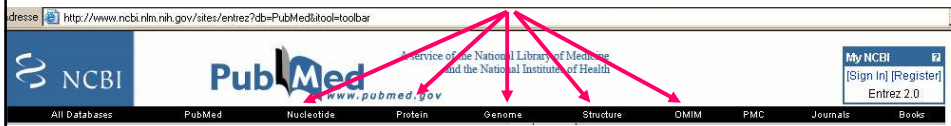
AND ALSO...

- **CLINICAL ALERTS** : NIH-FUNDED CLINICAL TRIALS
- **CLINICAL TRIALS** : UPDATED INFORMATION ABOUT FEDERALLY AND PRIVATELY SUPPORTED CLINICAL RESEARCH IN HUMAN VOLUNTEERS

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DIRECT LINKTS TO NCBI SPECIAL DB



The screenshot shows the NCBI website interface. At the top, there is a navigation bar with the following links: All Databases, PubMed, Nucleotide, Protein, Genome, Structure, OMIM, PMC, Journals, and Books. Red arrows point from the 'Nucleotide', 'Protein', 'Genome', and 'Structure' links to the corresponding database descriptions below. The text below the navigation bar is as follows:

NUCLEOTIDE : SEQUENCE DATABASE
(INCLUDES GENBANK)

PROTEIN : SEQUENCE DATABASE

GENOME : WHOLE GENOME SEQUENCES

STRUCTURE : THREE-DIMENSIONAL
MACROMOLECULAR STRUCTURES

TAXONOMY : ORGANISMS IN GENBANK

OMIM, ONLINE MENDELIAN : INHERITANCE IN
MAN. THIS DATABASE IS A CATALOG OF
HUMAN GENES AND GENETIC DISORDERS

MEDLINE ?

- BIBLIOGRAPHICAL DATABASE
 - 4800 BIOMEDICAL JOURNALS
 - USA AND 70 OTHER COUNTRIES
- 17 000 000 ARTICLES
- DEVELOPPED BY :
 - NCBI (NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION)
 - NLM (NATIONAL LIBRARY OF MEDICINE)
 - EDITORS IN BIOMEDICAL FIELD
- FROM 1950 TO 2007
- FREE ACCESS SINCE 1997

MEDLINE IS A DATABASE

- DEFINED INFORMATION :
BIBLIOGRAPHIC REFS
- ORGANISED : DATA STRUCTURE
- CONTROLLED : INDEXATION OF THE
ARTICLES

=>RULES

=>STRUCTURE = RECORDS AND
FIELDS

HOW DO THEY MAKE MEDLINE ?

- ARTICLES ARE INDEXED
- DESCRIPTORS = SPECIFIC AND
APPROPRIATE TERMS (MESH)^o
- = FROM 15 TO 25
- OTHER DESCRIPTORS :
 - AGE GROUPS, POPULATION, HUMAIN VS
ANIMALS, PUBLICATION TYPE, ETC...

MESH

- IS A THESAURUS : STRUCTURED INFORMATION
- PRODUCED BY THE NATIONAL LIBRARY OF MEDICINE (NLM) SINCE 1960
- 22 000 WORDS
- SUBHEADINGS
- STRUCTURE
 - => RULES => KNOWING HOW TO USE IT

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STRUCTURE

- | | |
|--|---|
| A. Anatomy | I. Anthropology,
Education,
Sociology and
Social Phenomena |
| B. Organisms | J. Technology, Industry,
Agriculture |
| C. Diseases | K. Humanities |
| D. Chemical and Drugs | L. Information Science |
| E. Analytical,
Diagnostic and
Therapeutic
Techniques and
Equipment | M. Named Groups |
| F. Psychiatry and
Psychology | N. Health Care |
| G. Biological Sciences | V. Publication
Characteristics |
| H. Natural Sciences | Z. Geographic Locations |

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• Bone, Leg
• Bones, Leg
• Bones of Leg
• Leg Bone

Previous Indexing

- Leg (1966-1997)
- specific bones of leg (1966-1997)

All MeSH Categories
Anatomy Category
Musculoskeletal System
Skeleton
Bone and Bones
Bones of Lower Extremity
Leg Bones
Femur
Femur Head
Femur Neck
Fibula
Patella
Tibia

BROADER TERM = MAIN ENTRY

NARROWER TERM

Display | Full | Show 20 | Send to

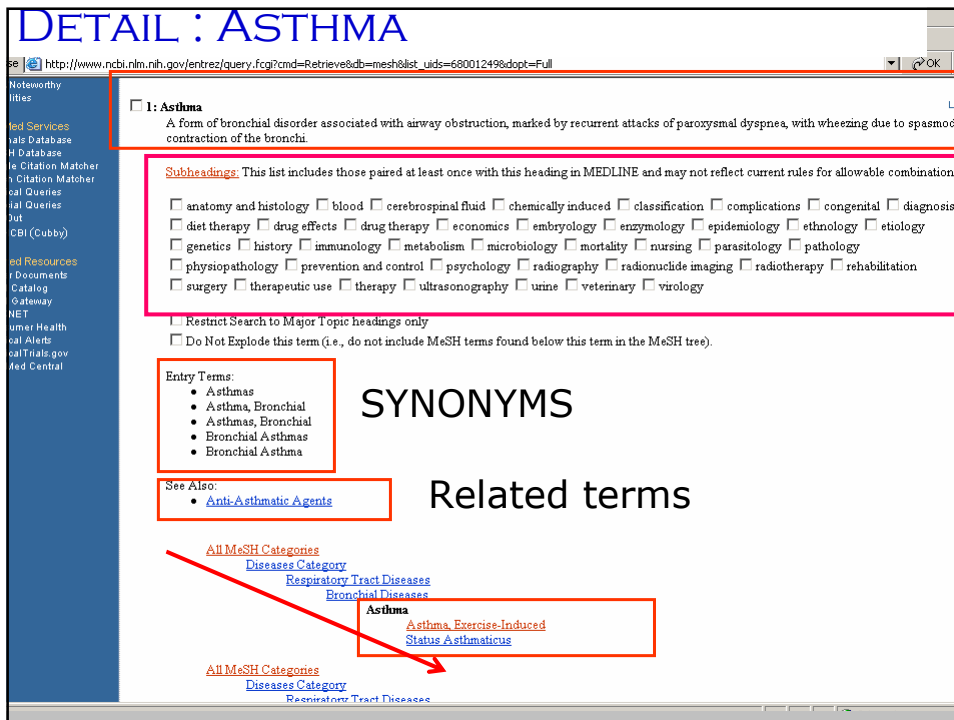
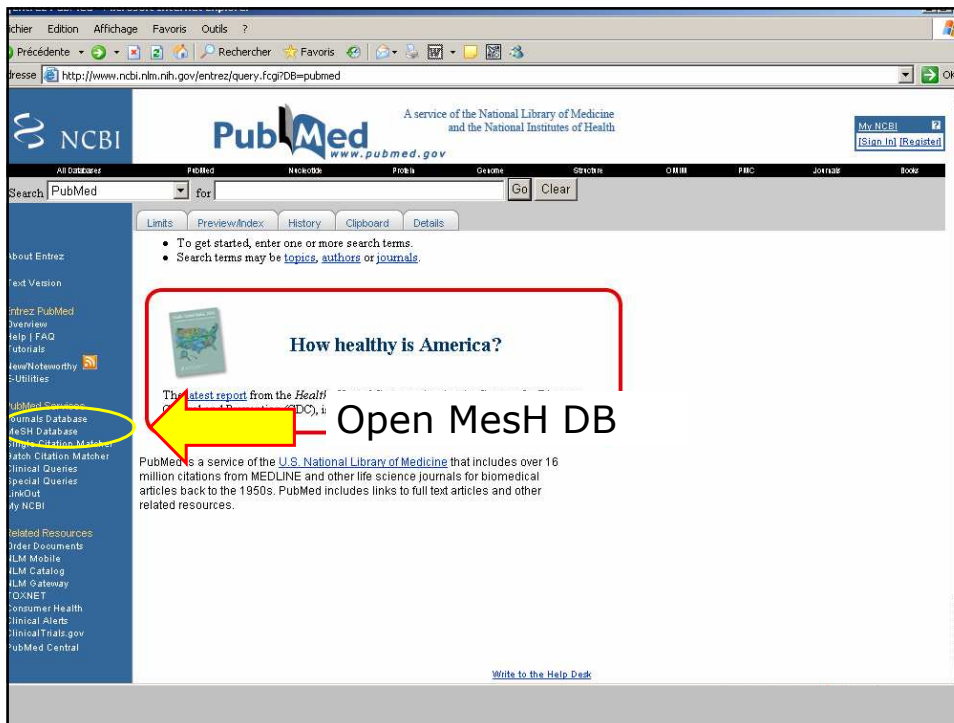
Write to the Help Desk
NCI | NLM | NIH
Department of Health & Human Services
Privacy Statement | Freedom of Information Act | Disclaimer

WHY USING MESH VOCABULARY ?

- => win time
- => be precise
- => manage synonymy
- => helps you to write your request

3 possibilities :

1. word = **descriptor**
2. word = **synonym**
3. word \neq **descriptor** \neq **synonym**



ADVERSE EFFECTS OF METHANOL ?

1 (points to sidebar)

2 (points to subheadings)

3 (points to 'adverse effects' checkbox)

SEARCH FOR METHANOL

- Select NLM MeSH Browser under the Links menu for

1: Methanol

A colorless, flammable liquid used in the manufacture of FORMALDEHYDE and ACETIC ACID, in chemical synthesis, antifreeze, and as a solvent. Ingestion of methanol is toxic and may cause blindness. Year introduced: 1998

Subheadings: This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

administration and dosage **adverse effects** analogs and derivatives analysis antagonists and inhibitors biosynthesis blood cerebrospinal fluid chemical synthesis chemistry diagnostic use economics immunology isolation and purification metabolism pharmacokinetics pharmacology physiology poisoning radiation effects standards supply and distribution therapeutic use toxicity urine

Restrict Search to Major Topic headings only

Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Registry Number: 67-56-1

Entry Terms:

- Alcohol, Methyl
- Methyl Alcohol
- Wood Alcohol
- Alcohol, Wood

QUERY BOX

= TO COMBINE SEARCH TOPICS

1 (points to sidebar)

2 (points to search box)

3 (points to 'Send to' menu)

Search MeSH for [Go] [Clear]

Limits Preview/Index History Clipboard Details

["Methanol/adverse effects"[Mesh]]

PubMed Search [Clear]

All: 1

- If making selections (e.g., Subheadings, etc.), use the Send to Search Box feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select NLM MeSH Browser under the Links menu for additional information.

1: Methanol

A colorless, flammable liquid used in the manufacture of FORMALDEHYDE and ACETIC ACID, in chemical synthesis, antifreeze, and as a solvent. Ingestion of methanol is toxic and may cause blindness. Year introduced: 1998

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PHARMACOLOGIC ACTION / DRUG INFO

- « drug and chemical » termes
- No branch with all drug particular effects
 - All antioxydants
- All MeSH Categories
 - Chemicals and Drugs Category +
- Aspirin
 - Registry Number: 50-78-2
 - Pharmacological Action : liste
 - Anti-Inflammatory Agents, Non-Steroidal
 - Fibrinolytic Agents
 - Platelet Aggregation Inhibitors
 - Cyclooxygenase Inhibitors

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MeSH - Medical Subject Headings - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

Précédente Recherche

Adresse <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=ui&ui=100000001>

ClinicalTrials.gov
PubMed Central

ASPIRIN

Cas number

synonyms

Pharmacologic Action:

Pharmacological action

All MeSH Categories
Chemicals and Drugs Category
Organic Chemicals

Fichier Edition

PLASTIC SURGERY OF FACE

Adresse http://www.ncbi.nlm.nih.gov/sites/entrez?Db=mesh&Cmd=ShowDetailView&TermToSearch=6800514&ordinalpos=1&tool=EntrezSystem2.PEntrez.Mesh.Mesh_ResultsPanel.Mesh_RVDocSum

Search MeSH for [] Go Clear

Limits Preview/Index History Clipboard Details

["Surgery, Plastic"[Mesh]]

PubMed Search Clear

Display Full Show 20 Send to

All: 1

- If making selections (e.g., Subheadings, etc.), use the **Send to Search Box** feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select NLM MeSH Browser under the Links menu for additional information.

1: Face Links

The anterior portion of the head that includes the skin, muscles, and structures of the forehead, eyes, nose, mouth, cheeks, and jaw.

Subheadings: This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

abnormalities analysis anatomy and histology blood supply cytology drug effects embryology enzymology
 immunology innervation metabolism microbiology parasitology pathology physiology physiopathology
 radiation effects radiography radionuclide imaging surgery ultrasonography ultrastructure virology

Restrict Search to Major Topic headings only.
 Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

Fichier Edition Affichage Favoris Outils ?

Précédente Recherche Favoris

Adresse http://www.ncbi.nlm.nih.gov/sites/entrez?Db=mesh&Cmd=ShowDetailView&TermToSearch=6800514&ordinalpos=1&tool=EntrezSystem2.PEntrez.Mesh.Mesh_ResultsPanel.Mesh_RVDocSum

Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI

Related
Resources
Order Documents
NLM Mobile
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

The anterior portion of the head that includes the skin, muscles, and structures of the forehead, eyes, nose, mouth, cheeks, and jaw.

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 immunology innervation metabolism microbiology parasitology pathology physiology physiopathology
 radiation effects radiography radionuclide imaging surgery ultrasonography ultrastructure virology

Restrict Search to Major Topic headings only.
 Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

- Faces

All MeSH Categories

- Anatomy Category
 - Body Regions
 - Head
 - Face**
 - Cheek
 - Chin
 - Eye
 - Eyebrows
 - Eyelids +
 - Forehead
 - Mouth
 - Lip
 - Nose
 - Parotid Region

DO NOT EXPLODE TERM

Adresse http://www.ncbi.nlm.nih.gov/sites/entrez?Db=mesh&Cmd=ShowDetailView&TermToSearch=6800514&ordinalpos=1&tool=EntrezSystem2.PEntrez.Mesh.Mesh_ResultsPanel.Mesh_RVDocSum

Search MeSH for [Go] [Clear]

Limits Preview/Index History Clipboard Details

("Surgery, Plastic"[Mesh])

PubMed Search [Clear]

Display [Full] Show [20] Send to []

All: 1

- If making selections (e.g., Subheadings, etc.), use the **Send to Search Box** feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select **NLM MeSH Browser** under the Links menu for additional information.

1: Face Links

The anterior portion of the head that includes the skin, muscles, and structures of the forehead, eyes, nose, mouth, cheeks, and jaw.

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abnormalities analysis anatomy and histology blood supply cytology drug effects embryology enzymology
 immunology innervation metabolism microbiology parasitology pathology physiology physiopathology
 radiation effects radiography radiologic imaging surgery ultrasonography ultrastructure virology

Restrict Search to Major Topic headings only.

Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms

WHY ?

- WITH « NO EXPLOSION » 1 683 ANSWERS
- WITHOUT : 4 122 ANSWERS
 - LIP/SURGERY*, LIP NEOPLASMS/SURGERY
 - EYEBROWS*, FOREHEAD/SURGERY*
 - SKIN AGING/DRUG EFFECTS*
 - MANDIBLE/PATHOLOGY,
MANDIBLE/SURGERY*
 - MAXILLA/PATHOLOGY,
MAXILLA/SURGERY*
 - ...

CONCLUSIONS MESH

- STRUCTURED SEARCH
- USEFULL = DEFINITION, SYNONYMS
- MORE INFO : DRUG AND CHEMICAL
- HELPS YOU TO WRITE YOUR REQUEST

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SEARCHING IN PUBMED

- SIMPLE REQUEST
 - SUBJECT (MESH), AUTHOR
- ADVANCED
 - «LIMITS»
 - «HISTORY»
- TOOLS : SINGLE CITATION MATCHER, JOURNAL DB, « PREVIEW INDEX »

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BASIC RULES

- ENGLISH !!
- BLANCS BETWEEN WORDS
- DON'T USE STOPWORDS -
COMPLICATIONS **AFTER...WITH,...**
- BRACKETS !!!
– 1,4-BIS CHLOROMETHYL BENZENE

NOT

– 1,4-BIS (CHLOROMETHYL) BENZENE

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WHY ?

1,4-BIS CHLOROMETHYL BENZENE

– "1,4-
BIS(CHLOROMETHYL)BENZENE" [SUBSTANCE
NAME] OR 1,4-BIS CHLOROMETHYL
BENZENE [TEXT WORD]

BUT

1,4-BIS (CHLOROMETHYL) BENZENE

– (1 [ALL FIELDS] AND 4-BIS [ALL FIELDS]) AND
CHLOROMETHYL [ALL FIELDS] AND
("BENZENE" [MESH TERMS] OR
BENZENE [TEXT WORD])

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- Syntax : *word* [field]

- Brown[Au]
- Tooth Extraction[mesh]
- French[la]
- vitamin b1[Text Word]
- ...

AUTHORS IN MEDLINE ?

- Bone = 688 095 but Bone [au] 1493
- Wang = 145 352
- Zhou [AU] = 32 967
- Collins cité 29 706
- D Collins cited 1562 times
 - Collins D [AU] cited 1170 times
 - "Collins David"[Author] cited 74 times

TRANSLATION ?

- Le grand dictionnaire terminologique (Ca):
http://www.grand-dictionnaire.com/btml/fra/r_motclef/index1024_1.asp
Office Québécois de la Langue Française =
3 million words – Fr-Eng-Latin
- http://ist.inserm.fr/basismesh/mesh_contacts.html

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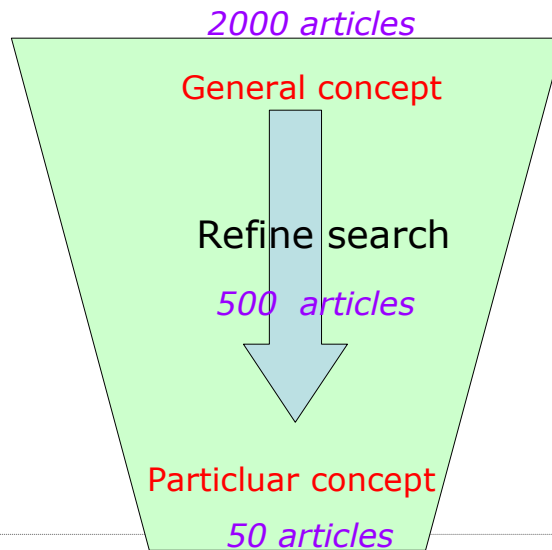
TREATMENT OF THE HOSPITAL-ACQUIRED INFECTIONS BY THE HYGIENE OF HANDS

- MESH :
 - nosocomial = cross Infections
 - Hygiene ?
 - Hand = item nr 20 = handwashing
- ("Handwashing"[Mesh]) AND ("Cross Infection"[Mesh])
- Via subheadings
 - ("Cross Infection/prevention and control"[Mesh])

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HOW TO REDUCE THE ANSWERS !!!



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LIMITS

=>LIMIT A SEARCH

=>CHOSE :

- PUBLICATION TYPES
- LANGUAGES
- AGE GROUPES
- STUDIES ON HUMAN OR ANIMAL
- GENDER MALE OU FEMALE ()
- DATE : PUBLICATION DATE
- PUBMED ENTREZ DATE
- REFERECNCES WITH ABSTRACT
- ...

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HYPERTENSION DRUG THERAPY

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

NCBI PubMed
A service of the National Library of Medicine and the National Institutes of Health

My NCBI [Sign In] [Register] Entrez 2.0

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for ["Hypertension/drug therapy"] [Mesh] Go Clear Save Search

Limits Preview/Index History Clipboard Details

Display: Summary Show: 20 Sort by: Send to:

All: 44046 **Review: 8200** Items 1 - 20 of 44046 Page 1 of 2203 Next

1: Cates CJ. Related Articles, Links

Misuse of confidence intervals threatens conclusions. BMJ. 2007 May 19;334(7602):1020. No abstract available. PMID: 17510116 [PubMed - indexed for MEDLINE]

2: Nedogoda SV. Related Articles, Links

[Combined antihypertensive therapy: are all combinations equally beneficial?] Kardiologiya. 2007;47(2):37-64. Russian. No abstract available. PMID: 17506213 [PubMed - indexed for MEDLINE]

3: [No authors listed] Related Articles, Links

Ask the doctors. My husband has high blood pressure. His cardiologist switched him from a beta blocker to an ACE inhibitor because his pulse readings were below 50. Since the switch, his blood pressure readings have averaged 160/88 compared with 125/75 on the beta-blocker. What should we do next? Heart Advis. 2007 Apr;10(4):12. No abstract available. PMID: 17494205 [PubMed - indexed for MEDLINE]

4: [No authors listed] Related Articles, Links

ACE inhibitors: who needs them? Heart Advis. 2007 Apr;10(4):7. No abstract available. PMID: 17494202 [PubMed - indexed for MEDLINE]

USING LIMITS

Adresse: <http://www.ncbi.nlm.nih.gov/sites/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 Order Documents NLM Mobile NLM Catalog NLM Gateway TOXNET

Search by Author Add Author CLEAR

Search by Journal Add Journal CLEAR

Full Text, Free Full Text, and Abstracts CLEAR

Links to full text Links to free full text Abstracts

Dates CLEAR

Published in the Last: Any date

Added to PubMed in the Last: 30 days 60 days 90 days 180 days 1 year 2 years 3 years **5 years** 10 years Specify date range (YYYY/MM/DD) CLEAR

Humans or Animals CLEAR

Humans Animals

Languages CLEAR

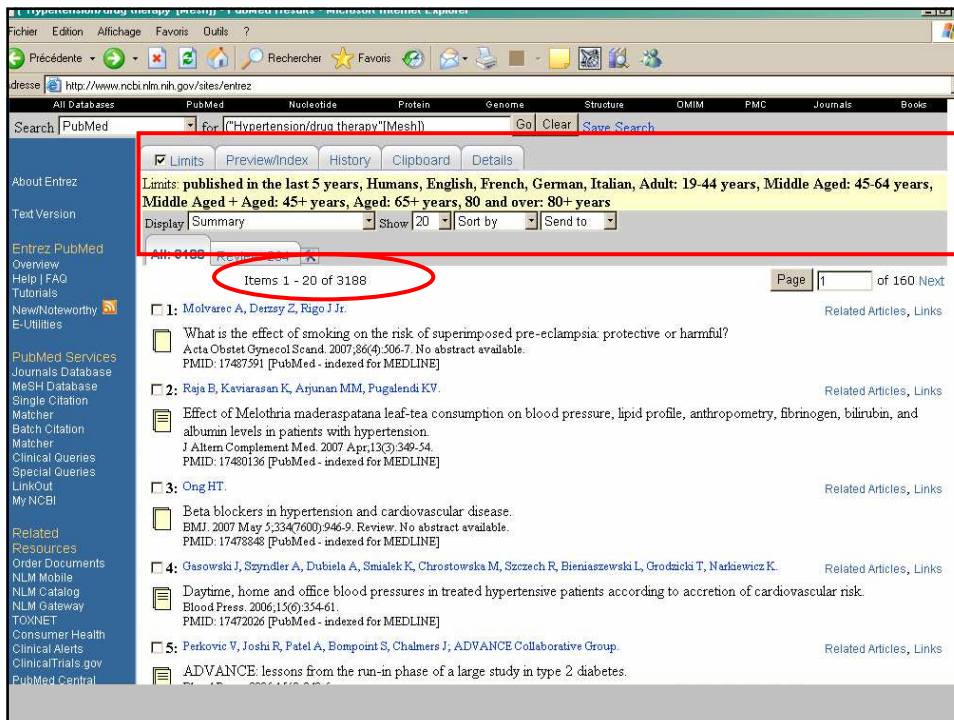
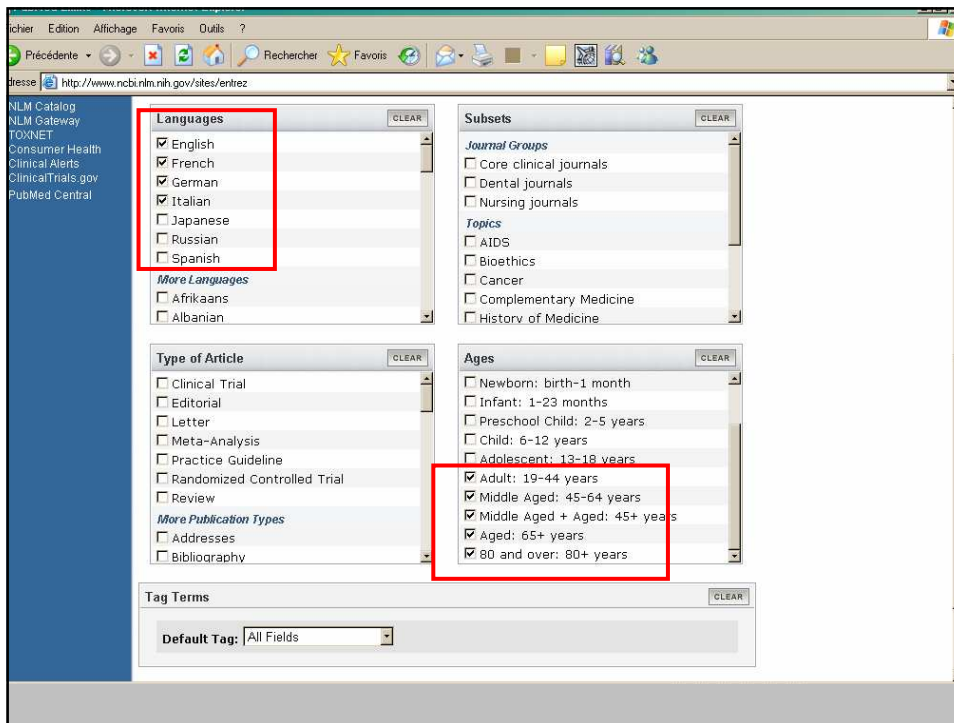
English French German Italian Japanese Russian Spanish

More Languages Afrikaans Albanian

Journal Groups CLEAR

Core clinical journals Dental journals Nursing journals

Topics AIDS Bioethics Cancer Complementary Medicine History of Medicine



DISPLAY FORMATS

About Entrez | Text Version | Entrez PubMed | PubMed Services | Journals Database | MESH Database | Single Citation | Matcher | Batch Citation | Matcher | Clinical Queries | Special Queries | LinkOut | My NCBI | Related Resources | Order Documents | NLM Mobile | NLM Catalog | NLM Gateway | TOXNET | Consumer Health | Clinical Alerts | ClinicalTrials.gov | PubMed Central

Display: **Summary** | Show: **20** | Sort by: | Send to:

All: 13

1: MEDLINE Related Articles, Links
 2: Related Articles Related Articles, Links
 3: Kales GT, Orguc S, Toprak E, Ozaslan S, Sakarya M. Related Articles, Links
 4: Legano L. Related Articles, Links
 5: Paasma R, Hovda KE, Tikkerbeni A, Jacobsen D. Related Articles, Links
 6: Lima CF, Valentao PC, Andrade PB, Seabra RM, Fernandes-Ferreira M, Pereira-Wilson C. Related Articles, Links

[1] Comment on "Formation of methanol and formate in Wister rats after oral administration of methylated rapeseed oil: a fuel for lamps".
 Clin Toxicol (Phila). 2007;45(3):312. author reply 313. No abstract available.
 PMID: 17433891 [PubMed - indexed for MEDLINE]

[2] Methanol poisoning with necrosis corpus callosum.
 Clin Toxicol (Phila). 2007;45(3):307-8. No abstract available.
 PMID: 17433889 [PubMed - indexed for MEDLINE]

[3] Alcohol.
 Pediatr Rev. 2007 Apr;28(4):153-5; discussion 155. Review. No abstract available.
 PMID: 17400830 [PubMed - indexed for MEDLINE]

[4] Methanol mass poisoning in Estonia: outbreak in 154 patients.
 Clin Toxicol (Phila). 2007;45(2):152-7.
 PMID: 17364632 [PubMed - indexed for MEDLINE]

[5] Water and methanolic extracts of Salvia officinalis protect HepG2 cells from t-BHP induced oxidative damage.
 Chem Biol Interact. 2007 Apr 25;167(2):107-15. Epub 2007 Feb 12.
 PMID: 17349617 [PubMed - indexed for MEDLINE]

MANAGING YOUR REFERENCES

About Entrez | Text Version | Entrez PubMed | PubMed Services | Journals Database | MESH Database | Single Citation | Matcher | Batch Citation | Matcher | Clinical Queries | Special Queries | LinkOut | My NCBI | Related Resources | Order Documents | NLM Mobile | NLM Catalog | NLM Gateway | TOXNET | Consumer Health | Clinical Alerts | ClinicalTrials.gov | PubMed Central

Display: **Summary** | Show: **20** | Sort by: | Send to:

All: 52 | Review: 0

Items 1 - 20 of 52

1: Gomes AC, Vasconcelos EC, de Oliveira e Silva ED, da Silva... Related Articles, Links
 2: Sittitavornwong S, Waite PD, Holmes JD, Klapow JC. Related Articles, Links
 3: Snyder M, Shugers GA, White RP, Phillips C. Links
 4: Bkovic B, Todorovic L, Stojic D. Links
 5: Moller PL, Juhl GJ, Payen-Champenois C, Skoglund LA. Links
 6: van der Westhuijzen AJ, Becker PJ, Morkel J, Roelae JA. Related Articles, Links

[1] Lingual nerve damage after mandibular third molar surgery: a randomized clinical trial.
 J Oral Maxillofac Surg. 2005 Oct;63(10):1443-6.
 PMID: 16182911 [PubMed - indexed for MEDLINE]

[2] The necessity of routine clinic follow-up visits after third molar removal.
 J Oral Maxillofac Surg. 2005 Sep;63(9):1278-82.
 PMID: 16122290 [PubMed - indexed for MEDLINE]

[3] Pain medication as an indicator of interference with lifestyle and oral function.
 J Oral Maxillofac Surg. 2005 Aug;63(8):1120-7.
 PMID: 16094590 [PubMed - indexed for MEDLINE]

[4] Comparison of clonidine and epinephrine in lidocaine anaesthesia for third molar surgery.
 Int J Oral Maxillofac Surg. 2005 Jun;34(6):401-6.
 PMID: 16053830 [PubMed - indexed for MEDLINE]

[5] Intravenous acetaminophen (paracetamol): comparable analgesic efficacy to oral acetaminophen for postoperative pain after third molar surgery.
 Anesth Analg. 2005 Jul;101(1):90-6, table of contents.
 PMID: 15976212 [PubMed - indexed for MEDLINE]

[6] A randomized observer blind comparison of bilateral facial ice pack therapy with no ice therapy following third molar surgery.
 Int J Oral Maxillofac Surg. 2005 May;34(5):281-6.
 PMID: 15741037 [PubMed - indexed for MEDLINE]

File
Printer
Clipboard
E-Mail

HISTORY

- Holds up to 100 searches and links
- 8 hours
- Retouch a query
- Combine querries

PRÉSENTATION ABD
JUIN 2007

CHRISTINE LANNERS
UCL/BIBLIOTHÈQUE DE MÉDECINE

The screenshot shows the PubMed website interface. The browser address bar displays <http://www.ncbi.nlm.nih.gov/sites/entrez>. The main navigation bar includes links for All Databases, PubMed, Nucleotide, Protein, Genome, Structure, OMIM, PMC, Journals, and Books. The search bar contains the query `for ((#18) AND (#19))`. Below the search bar, the 'History' tab is selected and circled in red. A dropdown menu is open, showing options: AND, OR, NOT, Delete, Go, Details, and Save in My NCBI. The 'History' section contains a table of search queries with columns for Search ID, Query, Time, and Result.

Search	Most Recent Queries	Time	Result
#24	Search ("Methanol/adverse effects"[Mesh]) Limits: published in the last 5 years, Humans, All Adult: 19+ years	04:43:27	94
#23	Search ("Methanol/adverse effects"[Mesh]) Limits: published in the last 5 years, Humans	04:42:57	143
#22	Search ("Methanol/adverse effects"[Mesh])	04:42:43	1064
#19	Search ("Handwashing"[Mesh]) AND ("Cross Infection"[Mesh])	04:37:00	884
#	Search ("Handwashing"[Mesh]) AND ("Cross Infection/prevention and control"[Mesh])	04:36:44	13746

Entrez History

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

Limits Preview/Index History Clipboard* Details

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous, all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#26	Related Articles for PubMed (Select 16515443)	05:00:19	849
#19	Search ("Handwashing"[Mesh] AND ("Cross Infection"[Mesh])	05:00:08	884
#22	Search ("Methanol/adverse effects"[Mesh])	04:59:15	1064
#23	Search ("Methanol/adverse effects"[Mesh]) Limits: published in the last 5 years, Humans	04:59:09	143
#25	Search (#18) AND (#19)	04:58:38	808
#24	Search ("Methanol/adverse effects"[Mesh]) Limits: published in the last 5 years, Humans, All Adult: 19+ years	04:43:27	94
#18	Search ("Cross Infection/prevention and control"[Mesh])	04:56:48	13746
#0	pubmed clipboard	05:00:08	7

Clear History

D JACOBSEN WROTE SOMETHING ABOUT METHANOL POISONING IN 2003

NCBI PubMed Single Citation Matcher

Entrez PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

- 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.

Journal:

Date: (month and day are optional)

Volume: Issue: First page:

Author name (see help): Only as first author Only as last author

Title words:

Go Clear

WRITING MY REQUEST IN PUBMED ?

- DRUG THERAPY ASTHMA CHILDREN
- UNERUPTED WISDOM TEETH PATHOLOGY ADOLESCENT
- COMPLICATIONS TEETH REMOVAL
- POISONING WITH METHANOL IN WINE
- DRUG THERAPY AFTER RENAL TRANSPLANT
- CHILD HYGIENE AND TARTAR

PRÉSENTATION ABD
JUN 2007

CHRISTINE LANNERS
UCL/BIBLIOTHÈQUE DE MÉDECINE

The screenshot shows the PubMed website interface. The search bar contains the query "unerupted wisdom teeth pathology adolescent". The search results page displays the following information:

- Query Translation:**

```
unerupted[All Fields] AND ("third molar"[Text Word] OR "molar, third"[MeSH Terms] OR wisdom teeth[Text Word]) AND ("pathology"[Subheading] OR "pathology"[MeSH Terms] OR pathology[Text Word]) AND ("adolescent"[MeSH Terms] OR adolescent[Text Word])
```
- Result:** 27
- Translations:**

adolescent	"adolescent"[MeSH Terms] OR adolescent[Text Word]
pathology	"pathology"[Subheading] OR "pathology"[MeSH Terms] OR pathology[Text Word]
wisdom teeth	"third molar"[Text Word] OR "molar, third"[MeSH Terms] OR wisdom teeth[Text Word]
- Databases:** PubMed
- User query:** unerupted wisdom teeth pathology adolescent

UNERUPTED TOOTH THIRD MOLAR ADOLESCENT PATHOLOGY

and the National Institutes of Health

[\[Sign In\]](#) [\[Register\]](#)
Entrez 2.0

All Databases
PubMed
Nucleotide
Protein
Genome
Structure
OMIM
FMC
Journals
Books

Search PubMed for unerupted Tooth third molar adolescent pathology Go Clear Save Search

Limits Preview/Index History Clipboard* Details

Query Translation:

```

      [{"tooth, unerupted"[MeSH Terms] OR unerupted Tooth[Text Word]} AND {"molar, third"[MeSH Terms] OR third molar[Text Word]} AND {"adolescent"[MeSH Terms] OR adolescent[Text Word]} AND {"pathology"[Subheading] OR "pathology"[MeSH Terms] OR pathology[Text Word]}
      
```

Result:

22

Translations:

adolescent	"adolescent"[MeSH Terms] OR adolescent[Text Word]
pathology	"pathology"[Subheading] OR "pathology"[MeSH Terms] OR pathology[Text Word]
third molar	"molar, third"[MeSH Terms] OR third molar[Text Word]
unerupted Tooth	"tooth, unerupted"[MeSH Terms] OR unerupted Tooth[Text Word]

Database:

PubMed

User query:

CONCLUSIONS

- PUBMED PORTAL IS A PROFESSIONAL TOOL
- KNOWING INFORMATION RETRIEVAL TOOLS
 - BOOL ALGEBRA, BRACKETS, THESAURUS...
- BE CREATIVE
 - DIFFERENT WAYS OF SEARCHING
 - VOCABULURY/SYNONYMS ...
- PUBMED PORTAL HAS LIMITS