

## MEDLINE® (MEDlars onLINE)

<b>Subject Coverage</b>	All areas in the broad field of biomedicine													
<b>File Type</b>	Bibliography													
<b>Features</b>	<p>Thesauri:            Chemical Name (/CN)                                    Controlled Term (/CT)                                    MeSH Tree Number (/MN)          The thesauri do not apply to terms in the OLDMEDLINE file segment.</p> <p><a href="#">Alerts (SDIs)</a>            Every update (6 times/week), weekly or monthly (default is weekly)</p> <table border="0"> <tr> <td><a href="#">CAS Registry Number® Identifiers</a></td> <td><input checked="" type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> </tr> <tr> <td><a href="#">Keep &amp; Share</a></td> <td><input checked="" type="checkbox"/></td> <td><a href="#">SLART</a></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><a href="#">Learning Database</a></td> <td><input checked="" type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> </tr> </table>		<a href="#">CAS Registry Number® Identifiers</a>	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	<a href="#">SLART</a>	<input checked="" type="checkbox"/>	<a href="#">Learning Database</a>	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>
<a href="#">CAS Registry Number® Identifiers</a>	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>											
<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	<a href="#">SLART</a>	<input checked="" type="checkbox"/>											
<a href="#">Learning Database</a>	<input checked="" type="checkbox"/>	Structures	<input type="checkbox"/>											
<b>Record Content</b>	<ul style="list-style-type: none"> <li>• Over 92% of MEDLINE's citations are references to journal articles</li> <li>• Approximately 68% of the citations contain abstracts</li> <li>• Most records for documents published before 1975 do not have abstracts</li> <li>• MEDLINE reference data is present in the file</li> <li>• CAS Registry Numbers are present in the file</li> <li>• About 86% of MEDLINE's citations represent publications in the English language</li> </ul>													
<b>File Size</b>	More than 35.9 million records (08/2023)													
<b>Coverage</b>	1946-present													
<b>Updates</b>	Six times each week, with an annual reload													
<b>Language</b>	English													
<b>Database Producer</b>	U.S. National Library of Medicine (NLM) 8600 Rockville Pike Bethesda, MD 20894 USA Phone: 301-594-5983 Phone: 888-346-3656													
<b>Sources</b>	<ul style="list-style-type: none"> <li>• About 5,300 journals</li> <li>• Citations from Index Medicus</li> <li>• Index to Dental Literature</li> <li>• HealthSTAR database</li> <li>• International Nursing Index</li> <li>• OLDMEDLINE, data from NLM's Cumulated Index Medicus (CIM) (1960 through 1965) and from Current List to Medical Literature (1949 through 1959)</li> </ul>													

**User Aids**

- Medical Subject Headings - MeSH Browser: <http://www.nlm.nih.gov/mesh/>
  - List of Serials Indexed for Online Users: <http://www.nlm.nih.gov/tsd/serials/lsiou.html>
  - Online Helps (HELP DIRECTORY lists help messages available)
  - STNGUIDE
- 

**Clusters**

- ALLBIB
  - AUTHORS
  - BIOSCIENCE
  - CASRNS
  - CORPSOURCE
  - ENVIRONMENT
  - FORMULATIONS
  - HEALTH
  - MEDICINE
  - PHARMACOLOGY
  - PV
  - TOXICOLOGY
- [STN Database Clusters](#) information (PDF)
-

## Search and Display Field Codes

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The fields that allow left truncation are marked with an asterisk (\*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index * (contains single words from the title (TI), chemical name (CN), gene name (GEN), controlled term (excluding MeSH numbers) (CT), supplementary term (ST), named person (NA), other source (OS), and abstract (AB) fields, as well as CAS Registry Numbers and GenBank Numbers)	None (or /BI)	S INTERFERON GAMMA S 50-02-2 S GENBANK D64071 S HEART (S) TEST# S ?FERON? S EC3.1.3.13 S GAMMA (S) INTERFERON	AB, CN, CT, GEN, NA, OS, RN, ST, TI
Abstract *	/AB	S ?ASSAY?/AB S RADIOACTIVE TRACER/AB S (LEUKEMIA (S) GLEEVEC)/AB	AB
Abstract Languages (other) (3)	/ABLA	S SPANISH/ABLA	ABLA
Accession Number	/AN	S 1965153674/AN S 1998010009/AN	AN
Accession Number of the Cited Reference in MEDLINE	/RAN.MED	S 1967176588/RAN.MED	RE
Author	/AU	S ADAMSON G?/AU	AU
Author Group	/AUTH	S BROOKS A?/AUTH	AUTH
Author Identifier	/AUID	S 0000-0003-3785-6868/AUID	AUID
Chemical Name (1)	/CN	S NIFEDIPINE/CN S EC 1.11.1.6/CN	CN, RN
Chemical Name Segment * (1)	/CNS	S ?FLUOR?/CNS	CN, RN
Cited Reference First Author Name	/RAU	S DEANDRADE A L/RAU	RE
Cited Reference First Author Name, Extended (12)	/RAU.EX	S DEANDRADE A L?/RAU.EX	RE
Cited Reference Count (6)	/RE.CNT	S 15-20/RE.CNT	RE.CNT
Cited Reference Issue Number	/RIS	S 12/RIS	RE
Cited Reference Page Number	/RPG	S 32/RPG	RE
Cited Reference Publication Year	/RPY	S 2007/RPY	RE
Cited Reference Source Publication	/RSO	S JAMA/RSO	RE
Cited Reference Volume Number	/RVL	S 22/RVL	RE
Cited Reference Source Publication Name	/RWK	S MED ARTS SCI/RWK	RE
Cited References	/RE	S DELPHIA J M?/RE	RE
Cited References, Extended (12)	/RE.EX	S WALKER B 1992?/RE.EX	RE
Citing Reference Accession Numbers (limit 50)	/OS.G (or /OS.CITING.AN)	S 2014206241/OS.G	OS.G, OS.CITING.AN
Citing Reference Count (6)	/OSC.G (/CITING.CNT)	S 13/OSC.G	OSC.G, CITING.CNT
Clinical Trial Numbers	/NCT	S ISRCTN03464021/NCT S NCT00005487/NCT	NCT
Collaborators	/AUCL	S BEGAY JACK/AUCL	AUCL
Comment	/CM	S TOXICOL?/CM	CM
Controlled Term (2) (includes main terms)	/CT	S OVARIAN FOLLICLE/CT S (HYPERTENSION(L)BL)/CT S (C14.907.489. (L) TH)/CT S *BRAIN/CT	CT
Corporate Source (3,4) (includes Collective Name)	/CS	S (KYUSHU(W)CANCER(W)CENTER)/CS S ROSIGLITAZONE STUDY GROUP/CS	CS
Country of Publication (ISO code and text)	/CY	S L1 AND UNITED STATES/CY S JP/CY	CY

## MEDLINE

## Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Digital Object Identifier Document Number (contains MEDLINE DN and the PubMed ID number) Document Type (code and text) (5)	/FTDOI (or /DOI) /DN  /DT (or /TC)	S 10.1101?/FTDOI S 9875853/DN S 6000001/DN S 11300629/DN S MULTICENTER STUDY/DT S BIO/TC	DOI, FTDOI DN  DT
Electronic Publication Date (6) Electronic Publication Year (6) Email Address (3) Entry Date (6) Entry Month (6) Field Availability (7) File Segment (8)	/EPD /EPY /EML /ED /EM /FA /FS	S 21 DEC 2012 S 2013/EPY S B.A.BRIDGES@SUSSEX.AC.UK/EML S ED>20020500 S 199106/EM S L2 AND AB/FA S L8 AND PRIORITY JOURNALS/FS S B/FS S DIABETES AND OLD/FS S IN-PROCESS/FS S CLINICAL TRIALS.GOV/FS	EPD, SO EPY, SO CS, EML ED EM Not displayed FS
Gene Name (3,9) Grant Number (3) Grant Organization (3) Group Authors International Standard (Document) Number (contains CODEN, if available, and ISSN) Journal Title (contains full and abbreviated journal titles)	/GEN /GN /GO /AUGR /ISN  /JT	S C-JUN/GEN S R01 AG037506/GN S NASA/GO S DALLAS EVE/AUGR S 8756-8160/ISN  S BIOCHEM PHARMACOL/JT S BIOCHEMICAL PHARMACOLOGY/JT	GEN GN GO AUGR ISN, SO  JT, SO
Journal Title Code (3)	/JTC /LA	S 0101032/JTC S GERMAN/LA S RU/LA	SO LA
MEDLINE Cited References Count (6) Named Person (10) Number of Report (3)	/REM.CNT /NA /NR	S 5-10/REM.CNT S PRIMROSE J/NA S NASA-00001303/NR S NASA/NR	REM.CNT NA NR, SO
Other Sources (3,11)	/OS	S CLML5936/OS S GENBANK L02896/OS	OS
Publication Date (6) Publication Year (6) Source (contains full and abbreviated journal titles, ISSN, CODEN, journal title code, number of report, space flight mission, investigator, and affiliation data, call number, publication year, volume, issue, and pagination)	/PD /PY /SO	S 2005 OCT 4/PD S L1 AND 1990-1992/PY S 0006-2952/SO S BIOCHEM PHARMACOL/SO S 7802429/SO S NASA00001303/SO S FLIGHT EXPERIMENT/SO	PD, SO PY, SO SO
Title * Unique Ingredient Identifier Update Date (6) Update Date Indexing Added (6) Date Last Citing Reference Entered STN (6)	/TI /UNII /UP /UPI /UPOS.G (or /UPOG, /CITING.UP)	S TOOTH MOVEMENT/TI S 8SSC91326P/UNII S UP>20030200 AND L4 S UPI>20140707 S 20140107/UPOS.G S CITING.UP>20140107	TI UNII ED, UP ED, UPI UPOS.G, UPOG, CITING.UP

(1) CAS Registry Numbers and Enzyme Codes can also be searched in this field. A /CN Thesaurus is available online. Starting on November 19, 2000, a new relationship, +XUSE, has been defined for EXPAND and SEARCH in the /CN field. XUSE includes both USE and UF terms. When you EXPAND in the /CN field, a message is displayed if additional terms are available by using the +XUSE relationship. If there are additional USE or UF terms available for a search in the /CN field, they are automatically included in the search.

(2) MeSH Tree Numbers are also searched in this field. (L) proximity is available with Qualifiers. Postings for MeSH Headings do not include narrower terms, while MeSH Tree Numbers do include all narrower levels. /CT and /MN Thesauri are available online. Starting on November 19, 2000, a new relationship, +XUSE, has been defined for EXPAND and SEARCH in the /CT field. XUSE includes both

USE and UF terms. When you EXPAND in the /CT field, a message is displayed if additional terms are available by using the +XUSE relationship. If there are additional USE or UF terms available for a search in the /CT field, they are automatically included in the search. To limit retrieval to major MeSH concepts place an asterisk before the MeSH controlled term of interest, e.g., S \*BRAIN/CT. In addition, when the Controlled Terms are displayed, the major MESH concepts of the article also have a preceding asterisk (\*).

- (3) This field is not available for records in the OLDMEDLINE file segment.
- (4) Search with implied (S) proximity is available in this field.
- (5) Both STN standard document types and original NLM publication types (displayed in parenthesis) are searchable separately as bound phrases.
- (6) Numeric search field that may be searched using numeric operators or ranges.
- (7) The presence of AB, CN, CS, EML, NA, OS, RN, ST fields can be searched in the /FA field; as well as the sections of the structured abstract: Background, Conclusions, Methods, Objective, and Results.
- (8) Enter HELP FS at an arrow prompt for definitions of the FS codes.
- (9) Data indexed in this field only until 1996.
- (10) Subject of biographical or related article.
- (11) Enter HELP OS for information on the content of this field.
- (12) When author's name entered with multiple initials, automatically also searches the author's name with a single initial.

## Limiting Search Codes

Only an answer set created in MEDLINE may be limited. L-number answer sets created by a search in the /ED or /UP field may also be limited. See HELP LLIMIT for further information.

Search Field Name	Search Code	Search Examples
Animal Subject (1) English-Language Records Female Subject (1) Human Subject (1) Major Descriptor (1) Male Subject (1)	/ANIMAL /ENG /FEMALE /HUMAN /MAJ /MALE	S L4/ANIMAL S L1/MAJ,ENG (2,3) S L3/FEMALE S L1/HUMAN S L1/MAJ S L2/MALE

- (1) Not available in OLDMEDLINE file segment.
- (2) Field codes may be abbreviated to the first three letters.
- (3) Answer sets may be limited to more than one area.

## Chemical Name (/CN) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Chemical Name (/CN) thesaurus. The /CN thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (SELF, CN, RN, EC, UF, USE, RR, HM, PA, INDX, NOTE, PNTE, RE)	E CHAETOGLOBOSINS+ALL/CN E 86414-29-1+ALL/CN
AUTO (1)	Automatic Relationship Code (SELF, USE)	E BROMOACETIC ACID+AUTO/CN
HM	Heading Mapped to (SELF, CN, RN, EC, RR, HM)	E CADMIUM ACETATE+HM/CN
NOTE	Notes associated with the term (SELF, CN, RN, EC, RR, INDX, PA, NOTE, PNTE, RE)	E SERICYSTATIN+NOTE/CN E EC 2.4.1.119+NOTE/CN
PFT	Preferred and Forbidden Terms (SELF, CN, RN, EC, RR, UF, USE)	E COMBRETASTATIN+PFT/CN
RN	CAS Registry Number associated with the name or name associated with a CAS Registry Number (SELF, CN, RN, EC)	S ARGINYLPROLINE+RN/CN E 2418-69-1+RN/CN
RR	Associated CAS Registry Numbers and UNII Codes (SELF, CN, RN, EC, RR)	E FLUVALINATE+RR/CN E BKJ8M8G5HI+RR/CN
XUSE	USE and UF terms from the current MeSH	E 6-CHRYSENYLAMINE+XUSE/CN S 6-CHRYSENAMINE+XUSE/CN

- (1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

**Field Descriptors for the /CN Thesaurus**

Code	Description
-->	Self
CN	Chemical Name and Enzyme Name
EC	Enzyme Commission Numbers
HM	Heading Mapped To
INDX	Indexer Note
NOTE	Scope Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
RE	Reference
RN	CAS Registry Number
RR	Related Registry Numbers and UNII Codes
UF	Used For
USE	Use

## Controlled Term (/CT) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Controlled Term (/CT) thesaurus.

The /CT thesaurus contains the current Controlled Terms. MeSH Tree Numbers are searchable terms in the /CT thesaurus.

The /CT and /MN Thesauri have the same EXPAND abilities except when expanding MeSH Tree Numbers. The /CT Thesaurus will expand the same Tree Number hierarchy, while the /MN Thesaurus will expand the MeSH terms corresponding to the various MeSH Tree Numbers.

The /CT thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (BT, SELF, MN, DC, NOTE, INDX, ENTC, AQ, PNTE, HNTE, MHTH, BXTH, PA, UF, USE, QUSE, NT, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF, RT)	E PEPTIC ULCER+ALL/CT E C6.405.608+ALL/CT
AUTO (1)	Automatic Relationship Code (Preferred Terms and Qualifiers) (SELF, USE, QUSE)	E NASAL SINUSES+AUTO/CT E ADV EFF+AUTO/CT
BT	Broader Terms (BT, SELF, MN)	E PREGNANCY TESTS+BT/CT
HIE	Hierarchy (Broader and Narrower Terms) (BT, SELF, MN, NT)	E RECEPTORS, DRUG+HIE/CT
KT	Keyword Terms (SELF, KT)	S SHOCK+KT/CT
MN	Tree Number and descriptor class (SELF, MN, DC)	E PROSTHESIS FAILURE+MN/CT S NUTRITIONAL STATUS+MN/CT
NOTE	Notes associated with the term (SELF, MN, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA)	E PEPTIC ULCER+NOTE/CT
NT	Narrower Terms (SELF, MN, NT)	S NEURONS+NT/CT
PFT	Preferred and Forbidden Terms (SELF, MN, ENTC, AQ, UF, USE)	E FIBRIN TISSUE ADHESIVE+PFT/CT
QLF	Qualifier and associated terms (SELF, AQ, QUSE, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONOTE, QUF)	S ADVERSE EFFECTS+QLF/CT
QPFT	Qualifier Preferred (SELF, QUSE, QLF, QUF)	E PSYCHOLOGY+QPFT/CT
RT	Related Terms (SELF, MN, RT)	E NEURONS+RT/CT
STD	Standard (Broader, Narrower, and Related Terms) (BT, SELF, MN, NT, RT)	S SPINAL CORD+STD/CT E PNEUMONIA+STD/CT
UF	Used For (Forbidden Terms) (SELF, MN, UF)	E F1.145.775.+UF/CT E SEX BEHAVIOR+UF/CT
USE	Use (Preferred Terms) (SELF, MN, USE)	E GRAAFIAN FOLLICLE+USE/CT
XUSE	USE and UF terms from the current MeSH	E RADICULITIS+XUSE/CT

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

## Field Descriptors for the /CT Thesaurus

Code	Description
-->	Self
AQ	Allowable Qualifier
BT	Broader Term
BXTH	Backwards Cross Reference Thesaurus
DC	Descriptor Class
ENTC	Entry Combination
HNTE	History Note
INDX	Indexer Note
KT	Keyword Terms
MH	MeSH Heading
MHTH	MH Thesaurus
MN	MeSH Tree Number
NOTE	Scope Note, Consider Also Terms
NT	Narrower Term
ONTE	Online Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
QA	Qualifier Abbreviation
QCAT	Allowable Categories
QHNT	Qualifier History Note
QINDX	Qualifier Indexer Note
QLF	MeSH Qualifier (subheading)
QNOTE	Qualifier Scope Note
QONTE	Qualifier Online Note
QUF	Qualifier Use For
QUSE	Qualifier Use
RT	Related Term
UF	Used For
USE	Use



## MeSH Tree Number (/MN) Thesaurus

In the MeSH Tree Number (/MN) Thesaurus, all Relationship Codes can be used only with the EXPAND command.

The /MN Thesaurus does not have any postings. When searching, it is necessary to edit the field code to /CT.

The /CT and /MN Thesauri have the same EXPAND abilities except when expanding MeSH Tree Numbers. The /CT Thesaurus will expand the same Tree Number hierarchy, while the /MN Thesaurus will expand the MeSH terms corresponding to the various MeSH Tree Numbers.

The /MN thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (BT, SELF, MN, MH, EC, DC, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA, UF, USE, QUSE, NT, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF, RT)	E GRANULOMA+ALL/MN E C23.550.382+ALL/MN
AUTO (1)	Automatic Relationship Code (Preferred Terms and Qualifiers) (SELF, USE, QUSE)	E PANCREATIC CHOLERA+AUTO/MN
BT	Broader Terms (BT, SELF, MN, MH)	E ILLUSIONS+BT/MN
HIE	Hierarchy (Broader and Narrower Terms) (BT, SELF, MN, MH, NT)	E CHLAMYDIA+HIE/MN E B3.440.190.190.190.+HIE/MN
KT	Keyword Terms (SELF, KT)	E DIET+KT/MN
MN	Tree Number and descriptor class (SELF, MN, MH, DC)	E ABSCESS+MN/MN
NOTE	Notes associated with the term (SELF, MN, MH, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA)	E SPINAL NERVES+NOTE/MN E A8.800.350.380+NOTE/MN
NT	Narrower Terms (SELF, MN, MH, NT)	E TOOTH+NT/MN
PFT	Preferred and Forbidden Terms (SELF, MN, MH, ENTC, AQ, UF, USE)	E HUMAN ADENOVIRUSES+PFT/MN E B4.909.777.731.589.520+PFT/MN
QLF	Qualifier and associated terms (SELF, AQ, QUSE, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF)	E AE+QLF/MN
QPFT	Qualifier Preferred (SELF, QUSE, QLF, QUF)	E METABOLISM+QPFT/MN
RT	Related Terms (SELF, MN, MH, RT)	E TOMOGRAPHY, EMISSION-COMPUTED+RT/MN
STD	Standard (Broader, Narrower, and Related Terms) (BT, SELF, MN, MH, NT, RT)	E ALCOHOLISM+STD/MN E C21.739.100.250.+STD/MN
UF	Used For (Forbidden Terms) (SELF, MN, MH, UF)	E IODIDE PEROXIDASE+UF/MN
USE	Use (Preferred Terms) (SELF, MN, MH, USE)	E OPHTHALMIA+USE/MN
XUSE	USE and UF terms from the current MeSH	E ARSENIC POISONING+XUSE/MN

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

## Field Descriptors for the /MN Thesaurus

Code	Description
-->	Self
AQ	Allowable Qualifier
BT	Broader Term
BXTH	Backwards Cross Reference Thesaurus
DC	Descriptor Class
ENTC	Entry Combination
HNTE	History Note
INDX	Indexer Note
KT	Keyword Terms
MH	MeSH Heading
MHTH	MH Thesaurus
MN	MeSH Tree Number
NOTE	Scope Note, Consider Also Terms
NT	Narrower Term
ONTE	Online Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
QA	Qualifier Abbreviation
QCAT	Allowable Categories
QHNT	Qualifier History Note
QINDX	Qualifier Indexer Note
QLF	MeSH Qualifier (subheading)
QNOTE	Qualifier Scope Note
QONTE	Qualifier Online Note
QUF	Qualifier Use For
QUSE	Qualifier Use
RT	Related Term
UF	Used For
USE	Use

## DISPLAY and PRINT Formats

Any combination of formats can be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed in the order requested.

Hit-term highlighting is available in all fields except CM, ED, and PY. Highlighting must be ON to use the HIT, HITIND, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D 1-5 AN, AB
ABLA	Abstract Language (other)	D ABLA
AN (1)	Accession Number	D 1-5 AN
AU	Author	D AU TI 2
AUCL	Collaborators	D AUCL
AUGR	Group Authors	D AUGR
AUID	Author Identifier	D AUID
AUPB (2,4)	Authors in Publication Order	D AUPB
AUTH	Author Group	D AUTH
CM (1)	Comment	D AN CM TI 1-5
CN (1)	Chemical Name (enzyme code and name)	D CN, RN 8-10
CS (1)	Corporate Source	D CS, AU 10-20
CT (1)	Controlled Term (MeSH terms, qualifiers)	D AN CT 1-2
CY (1)	Country of Publication	D CY TI
DN (1)	Document Number and PubMed ID	D DN
DOI (FTDOI)	Digital Object Identifier	D DOI, D FTDOI
DT (1)	Document Type	D DT TI
ED (1)	Entry Dates	D ED
EM (1)	Entry Month	D TI SO EM
EML (1,2)	E-mail Address	D EML
EPD (1,2)	Electronic Publication Date	D EPD
EPY (1,2)	Electronic Publication Year	D EPY
FS (1)	File Segment	D FS TI 1-2
GEN (1)	Gene Name	D GEN TI 1-2
GN	Grant Number	D GN
GO	Grant Organization	D GO
ISN (1,2)	International Standard (Document) Number	D 2 6 ISN
ISSUE (2)	Issue	D ISSUE
JT (1,2)	Journal Title (includes JTA and JTF)	D 1-3 JT
JTA (1,2)	Journal Title, Abbreviated	D JTA
JTF (1,2)	Journal Title, Full	D JTF
LA (1)	Language	D LA TI
NA (1)	Named Person (subject of biography or related article)	D AN TI NA
NCT	Clinical Trial Numbers	D NCT
NR (1,2)	Number of Report	D NR
OS (1)	Other Source	D TI SO OS
OS.G (OS.CITING.AN)	Citing Reference Accession Numbers (up to 50 accession numbers)	D OS.G
OS.GMAX	Citing Reference Accession Numbers (up to 1020 accession numbers)	D OS.GMAX
OSC.G (CITING.CNT)	Citing Reference Count	D OSC.G
PD (1,2)	Publication Date	D PY SO
PGNO (2)	Page Number	D PGNO
PY (1,2)	Publication Year	D PY
RE	Cited References in MEDLINE	D RE
RE.CNT (REC)	Cited References Count	D RE.CNT
REM.CNT	MEDLINE Cited References Count	D REM.CNT
RN (1)	CAS Registry Number (Registry Number and chemical name)	D CT RN
SO	Source	D SO TI FS
ST (1)	Supplementary Term	D ST
TC (1,2)	Treatment Code	D TC
TI (1)	Title	D TI 1-10
UNII	Unique Ingredient Identifier	D UNII
UP	Update Date	D UP, D ED
UPI	Update Date Indexing Added	D UPI, D ED
UPOS.G (CITING.UP)	Date Last Citing Reference Entered STN	D UPOS.G
VL (2)	Volume	D VL

## Display and Print Formats (cont'd)

Format	Content	Examples
ABS ALL	AB, ABLA AN, DN, TI, AU.CS, SO, DOI, CM, CY, DT, LA, FS, NCT, OS, EM, ED, AB, ABLA, ST, CT, RN, CN, UNII, GO, GN, NA, GEN, OSC.G, UPOS.G, OS.G, RE.CNT, REM.CNT, RE	D ABS 1-3 D 1-3 ALL
AU.CS	AU, AUID, CS (AU,AUID, CS repeat as needed), AUGR, AUID, CS (AUGR, AUID, CS repeat as needed), AUCL	D AU.CS
AUTH BIB	AU, AUCL, AUGR AN, DN, TI, AU.CS, SO, DOI, CY, DT, LA, FS, NCT, OS, EM, ED, UP, GO, GN, OSC.G, UPOS.G, OS.G, RE.CNT, REM.CNT (BIB is the default)	D AUTH D 8 BIB
CBIB	Compressed bibliographic information	D 2 CBIB
DALL	ALL, delimited for post-processing	D DALL
IABS	ABS, with a text label	D IAB
IALL	ALL, indented with text labels	D IALL
IBIB	BIB, indented with text labels	D IBIB
IND (1)	CT, ST, RN, CN, UNII, NA, GEN	D BIB, IND
OSG	OSC.G, UPOS.G, OS.G (up to 50 accession numbers)	D OSG
OSG.MAX	OSC.G, UPOS.G, OS.G (up to 1020 accession numbers)	D OSG.MAX
RAN.MEDLINE (n)	Cited Reference(s) display feature (n=cited reference number(s))	D RAN.MEDLINE (n)
RETAB (RETABLE)	MEDLINE Cited References Table (RAU, RPY, RVL, RPG, RWK)	D RETAB
SCAN (3)	TI, ST, CT, RN, CN, NA, GEN (random display without answer numbers)	D SCAN
TRIAL (FREE, SAM) (1)	TI, ST, CT, RN, CN, NA, GEN	D TRI
HIT HITIND (1) KWIC OCC (1)	Fields containing hit terms IND Hit term with 20 words on either side (KeyWord-In-Context) Fields that contain hit terms and number of times they occur	D HIT 5-10 D HITIND D KWIC 5-10 D OCC L3 1-2

(1) No online display fee for this format.

(2) Custom display only.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

(4) If 100 or more authors are provided, only the first 99 are presented followed by et al.

## Displaying MEDLINE documents for cited references

Enter the following in the DISPLAY command: L-number for the answer set; answer number (only one may be specified); RAN.MEDLINE(x-y) where (x-y) is the cited reference number, numbers, or range of numbers; and the display format for the document to display, e.g., BIB ABS. For example, to display MEDLINE records for the cited references 1 and 2 from answer 2 in the answer set L5, enter the following:

=> D L5 2 RAN.MEDLINE(1-2) BIB ABS

**SELECT, ANALYZE, and SORT Fields**

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	N
Abstract Language (other)	ABLA	Y	N
Accession Number	AN	Y	N
Accession Number of the Cited Reference in MEDLINE	RAN.MED	Y	N
Author	AU	Y	Y
Author Group	AUTH	Y	Y
Author Identifier	AUID	Y	Y
Authors in Publication Order	AUPB	Y (12)	N
CAS Registry Number	RN	Y (2,3,4)	N
Chemical Name	CN	Y (4)	N
	NAME	Y (2,4)	N
Chemical Name and CAS Registry Number	CHEM	Y (2,4)	N
Citation	CIT	Y (4,5)	N
Cited Reference First Author	RAU	Y	N
Cited Reference Publication Year	RPY	Y	N
Cited Reference Publication Name	RWK	Y	N
Cited References	RE	Y	N
Cited Reference Count	RE.CNT (REC)	Y	Y
Citing Reference Accession Numbers	OS.G	Y	Y
	(OS.CITING.AN)		
Citing Reference Count	OSC.G (CITING.CNT)	Y	Y
Clinical Trial Numbers	NCT	Y	Y
Collaborators	AUCL	Y	Y
Comment	CM	Y (10)	N
Corporate Source	CS	Y	Y
Controlled Term	CT	Y	N
Country of Publication	CY	Y	Y
Document Number	DN	Y (6)	Y
Document Type	DT	Y	Y
Electronic Publication Date	EPD	Y	Y
Electronic Publication Year	EPY	Y	Y
Email Address	EML	Y	Y
Entry Month	EM	Y	Y
File Segment	FS	Y	Y
GenBank Number	GENBANK (GBN)	Y (2,11)	N
Gene Name	GEN	Y	Y
Grant Number	GN	Y	Y
Grant Organization	GO	Y	Y
Group Authors	AUGR	Y	Y
Hit Cited Reference	HITRE	N	Y
International Standard (Document) Number (ISSN)	ISN	Y (7)	N
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y (8)	Y
Journal Title, Full	JTF	Y (8)	Y
Journal Title Code	JTC	Y	Y
Language	LA	Y	Y
MEDLINE Cited References Count	REM.CNT	Y	Y
Named Person	NA	Y	Y
Number of Report	NR	Y	Y

## MEDLINE

## SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Occurrence Count of Hit Terms	OCC	N	Y
Other Source	OS	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y (4)	Y
Source	SO	Y (9)	N
Supplementary Term	ST	Y (2)	N
Title	TI	Y (default)	Y
Treatment Code	TC	Y	Y
Unique Ingredient Identifier	UNII	Y	N
Date Last Citing Reference Entered STN	UPOS.G (UPOG, CITING.UP)	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.

(2) Appends /BI to the terms created by SELECT.

(3) Only extracts CAS Registry Numbers.

(4) SELECT HIT and ANALYZE HIT are not valid with this field.

(5) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT. This field can be used for cross-file searching in SCISEARCH and Caplus<sup>SM</sup>.

(6) Selects or analyzes MEDLINE's Document Number and the PubMed ID.

(7) Selects or analyzes the ISSN and CODEN.

(8) Appends /JT to the terms created by SELECT.

(9) Selects or analyzes the ISSN, CODEN, and journal code with /SO appended to the terms created by SELECT.

(10) Selects or analyzes the PMID values with /DN appended.

(11) SELECT GENBANK selects GenBank numbers from the OS field.

(12) Appends /AU to the terms created by SELECT.

## Sample Records

## DISPLAY IALL

ACCESSION NUMBER: 2015308911 MEDLINE (IN-PROCESS) [Full-text](#)  
DOCUMENT NUMBER: PubMed ID: 25423041  
TITLE: Impact of Xpert MTB/RIF for TB diagnosis in a primary care clinic with high TB and HIV prevalence in South Africa: a pragmatic randomised trial.  
AUTHORS IN PUB ORD: Cox Helen S; Mbhele Slindile; Mohess Neisha; Whitelaw Andrew; Muller Odelia; Zemanay Widaad; Little Francesca; Azevedo Virginia; Simpson John; Boehme Catharina C; Nicol Mark P  
AUTHOR: Cox Helen S  
CORPORATE SOURCE: Division of Medical Microbiology and Institute for Infectious Diseases and Molecular Medicine, University of Cape Town, Cape Town, South Africa, Medecins Sans Frontieres, Khayelitsha, South Africa.  
AUTHOR: Mbhele Slindile; Mohess Neisha; Zemanay Widaad  
CORPORATE SOURCE: Division of Medical Microbiology, University of Cape Town, Cape Town, South Africa.  
AUTHOR: Whitelaw Andrew  
CORPORATE SOURCE: Division of Medical Microbiology, University of Cape Town, Cape Town, South Africa, National Health Laboratory Service, Johannesburg, South Africa.  
AUTHOR: Muller Odelia  
CORPORATE SOURCE: Medecins Sans Frontieres, Khayelitsha, South Africa.  
AUTHOR: Little Francesca  
CORPORATE SOURCE: Department of Statistical Science, University of Cape Town, Cape Town, South Africa.  
AUTHOR: Azevedo Virginia  
CORPORATE SOURCE: Khayelitsha Health, City of Cape Town, Cape Town, South Africa.  
AUTHOR: Simpson John  
CORPORATE SOURCE: National Health Laboratory Service, Johannesburg, South Africa.  
AUTHOR: Boehme Catharina C

CORPORATE SOURCE: Foundation for Innovative New Diagnostics, Geneva, Switzerland.

AUTHOR: Nicol Mark P

CORPORATE SOURCE: Division of Medical Microbiology and Institute for Infectious Diseases and Molecular Medicine, University of Cape Town, Cape Town, South Africa.

SOURCE: PLoS medicine, (2014 Nov) Vol. 11, No. 11, pp. e1001760.  
Electronic Publication Date: 25 Nov 2014  
Journal code: 101231360. E-ISSN: 1549-1676. L-ISSN: 1549-1277.  
Report No.: NLM-PMC4244039.

DIGITAL OBJECT ID: <http://dx.doi.org/10.1371/journal.pmed.1001760>

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LANGUAGE: English

FILE SEGMENT: NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals

FILE SEGMENT: Electronic; eCollection

FILE SEGMENT: PACTR

CLINICAL TRIAL NO.: PACTR201010000255244

ENTRY DATE: Entered STN: 27 Nov 2014  
Last Updated on STN: 24 Dec 2014

## ABSTRACT:

BACKGROUND: Xpert MTB/RIF is approved for use in tuberculosis (TB) and rifampicin-resistance diagnosis. However, data are limited on the impact of Xpert under routine conditions in settings with high TB burden.

METHODS AND FINDINGS: A pragmatic prospective cluster-randomised trial of Xpert for all individuals with presumptive (symptomatic) TB compared to the routine diagnostic algorithm of sputum microscopy and limited use of culture was conducted in a large TB/HIV primary care clinic. The primary outcome was the proportion of bacteriologically confirmed TB cases not initiating TB

diagnosis. Study limitations included incorrect intervention allocation for a high proportion of participants and that the study was conducted in a single clinic.

CONCLUSIONS: These data suggest that in this routine primary care setting, use of Xpert to diagnose TB increased the number of individuals with bacteriologically confirmed TB who were treated by 3 mo and reduced time to treatment initiation, particularly among HIV-infected participants.

TRIAL REGISTRATION: Pan African Clinical Trials Registry PACTR201010000255244. Please see later in the article for the Editors' Summary.

GRANT FUNDING ORG.: United Kingdom Wellcome Trust

GRANT FUNDING NUM.: 085215

MEDLINE REFERENCE COUNT: 15 There are 15 cited references available in MEDLINE for this document.

## REFERENCE(S): CITED REFERENCES AVAILABLE IN MEDLINE FILE

- (1) Anonymous; Lancet. 2014 Feb 1, V383(9915), P424-35. MEDLINE
- (2) Boehme, Catharina C; Lancet. 2011 Apr 30, V377(9776), P1495-505. MEDLINE
- (3) Bouille, Andrew; AIDS. 2010 Feb 20, V24(4), P563-72. MEDLINE
- (4) Boyles, T H; Int J Tuberc Lung Dis. 2014 Jul, V18(7), P876-8. MEDLINE
- (5) Cox, H; Int J Tuberc Lung Dis. 2014 Apr, V18(4), P441-8. MEDLINE
- (6) Getahun, Haileyesus; Lancet. 2007 Jun 16, V369(9578), P2042-9. MEDLINE
- (7) Helb, Danica; J Clin Microbiol. 2010 Jan, V48(1), P229-37. MEDLINE
- (8) Kwak, Nakwon; PLoS One. 2013, V8(10), Pe77456. MEDLINE
- (9) Langley, Ivor; Lancet Glob Health. 2014 Oct, V2(10), Pe581-91. MEDLINE
- (10) Lawn, Stephen D; Clin Infect Dis. 2006 Apr 1, V42(7), P1040-7. MEDLINE
- (11) Lawn, S D; Int J Tuberc Lung Dis. 2011 Mar, V15(3), P287-95. MEDLINE
- (12) Menzies, Nicolas A; PLoS Med. 2012, V9(11), Pe1001347. MEDLINE
- (13) Ridderhof, John C; Bull World Health Organ. 2007 May, V85(5), P354-9. MEDLINE
- (14) Steingart, Karen R; Cochrane Database Syst Rev. 2013, V1, PCD009593. MEDLINE
- (15) Theron, Grant; Lancet Infect Dis. 2014 Jun, V14(6), P527-32. MEDLINE

**MEDLINE****DISPLAY IALL (OLDMEDLINE File Segment)**

ACCESSION NUMBER: 1960033570 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 13714019  
 TITLE: Marie Curie and her contemporaries.  
 AUTHOR: de HEVESEY  
 SOURCE: Journal of nuclear medicine : official publication, Society  
 of Nuclear Medicine, (1961 Jul) Vol. 2, pp. 169-82.  
 Journal code: 0217410. ISSN: 0161-5505. L-ISSN: 0161-5505.  
 DOCUMENT TYPE: Biography  
 Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: OLDMEDLINE; NONMEDLINE  
 FILE SEGMENT: Print  
 ENTRY MONTH: 199811  
 ENTRY DATE: Entered STN: 16 Jul 1999  
 Last Updated on STN: 16 Jul 1999  
 Entered Medline: 1 Nov 1998  
 SUPPLEMENTARY TERM: famous persons; radium  
 CONTROLLED TERM: \*Famous Persons  
 \*History  
 \*Radium  
 NAMED PERSON: CURIE M  
 CAS REGISTRY NO.: 7440-14-4 (Radium)  
 UNIQ INGREDIENT ID: W90AYD6R3Q  
 OS.CITING REF COUNT: 1 There are 1 MEDLINE records that cite this record  
 DATE LAST CITED: Date last citing reference entered STN: 16 Jul 1999  
 OS.CITING.REFS: MEDLINE 1964097687

**DISPLAY IALL (IN-PROCESS Record)**

ACCESSION NUMBER: 2015442702 MEDLINE (IN-PROCESS) [Full-text](#)  
 DOCUMENT NUMBER: PubMed ID: 25564676  
 TITLE: 2014: signaling breakthroughs of the year.  
 AUTHORS IN PUB ORD: Berndt Jason D; Wong Wei  
 AUTHOR: Berndt Jason D  
 CORPORATE SOURCE: Associate Editor of Science Signaling, American Association  
 for the Advancement of Science, 1200 New York Avenue, N.W.,  
 Washington, DC 20005, USA. [jberndt@aaas.org](mailto:jberndt@aaas.org); [wwong@aaas.org](mailto:wwong@aaas.org)  
 AUTHOR: Wong Wei  
 CORPORATE SOURCE: Senior Editor of Science Signaling, American Association  
 for the Advancement of Science, 1200 New York Avenue, N.W.,  
 Washington, DC 20005, USA. [jberndt@aaas.org](mailto:jberndt@aaas.org); [wwong@aaas.org](mailto:wwong@aaas.org)  
 SOURCE: Science signaling, (2015) Vol. 8, No. 358, pp. egl.  
 Electronic Publication Date: 6 Jan 2015  
 Journal code: 101465400. E-ISSN: 1937-9145.  
 DIGITAL OBJECT ID: <http://dx.doi.org/10.1126/scisignal.aaa4696>  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Editorial  
 LANGUAGE: English  
 FILE SEGMENT: NONMEDLINE; IN-DATA-REVIEW; IN-PROCESS; NONINDEXED;  
 Priority Journals  
 FILE SEGMENT: Electronic  
 ENTRY DATE: Entered STN: 8 Jan 2015  
 Last Updated on STN: 8 Jan 2015

**ABSTRACT:**

The 2014 breakthroughs fell into four main areas: innate immunity, host-microbe interactions, cell death signaling, and methodological advances in the study of

. . .

2014 saw the use of new techniques to study cell signaling and identify drug targets, such as the in vivo use of RNA interference to study signaling in T cells and new computational methods to study large datasets of different data types.

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**DISPLAY BIB**

AN 2015434417 MEDLINE (IN-PROCESS) [Full-text](#)  
 DN PubMed ID: 25530753  
 TI Incident duration modeling using flexible parametric hazard-based models.  
 AU Li Ruimin; Shang Pan  
 AUID ORCID: <http://orcid.org/0000-0002-3405-1143>;  
<http://orcid.org/0000-0003-1715-456X>  
 CS Institute of Transportation Engineering, Department of Civil Engineering,  
 Tsinghua University, Heshanheng Building, Tsinghua, Beijing 100084, China.  
 SO Computational intelligence and neuroscience, (2014) Vol. 2014, pp. 723427.  
 Electronic Publication Date: 4 Nov 2014  
 Journal code: 101279357. E-ISSN: 1687-5273.  
 Report No.: NLM-PMC4235144.  
 DOI <http://dx.doi.org/10.1155/2014/723427>  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 (RESEARCH SUPPORT, NON-U.S. GOV'T)  
 LA English  
 FS NONMEDLINE; IN-PROCESS; NONINDEXED; Priority Journals  
 FS Print; Electronic  
 ED Entered STN: 6 Jan 2015  
 Last Updated on STN: 8 Jan 2015  
 REM.CNT 10 There are 10 cited references available in MEDLINE for this  
 document.

**DISPLAY TRIAL**

TI Just what the doctor ordered: the role of unconventional therapy in the  
 treatment of cancer in minors.  
 ST In re Hofbauer; Professional Patient Relationship  
 CT \*Adolescence  
 \*Amygdalin  
 \*Civil Rights  
 Decision Making  
 Government Regulation  
 Humans  
 \*Judicial Role  
 \*Jurisprudence  
 Malpractice  
 Mentally Disabled Persons  
 \*Minors  
 \*Neoplasms  
 . . .  
 Privacy  
 Social Control, Formal  
 Supreme Court Decisions  
 Terminally Ill  
 \*Third-Party Consent  
 \*Treatment Refusal  
 RN 29883-15-6 (Amygdalin)  
 CN 0 (Pharmaceutical Preparations)

**EXPAND in /CN Thesaurus**

=&gt; E 9-XYLOSYLADENINE+ALL/CN

E1 16 --> 9-xylosyladenine/CN  
 E2 0 RN 4185-03-9/CN  
 E3 0 RR 28361-05-9/CN  
 ((9alpha)-(L))-isomer)  
 E4 0 UF 9 beta-D-xylofuranosyladenine/CN  
 E5 0 UF 9 beta-D-xylosyladenine/CN  
 E6 0 UF 9-xylosyladenine, ((9alpha)-(L))-isomer/CN  
 E7 0 UF 9H-purin-6-amine, 9-xylofuranosyl-/CN  
 E8 0 UF xyloA/CN  
 E9 0 UF xylosyladenosine/CN  
 HM Adenosine/\*analogs & derivatives  
 NOTE RN given refers to cpd with unspecified isomeric

**MEDLINE**

designation; structure in first source  
 PNTE XYLOSE/analogs (78-80)

\*\*\*\*\* END \*\*\*\*\*

**=> E 6-CHRYSENAMINE+XUSE/CN**

E1 25 --> 6-chrysenamine/CN  
 E2 0 UF 6-aminochrysene/CN  
 E3 0 UF 6-chrysenylamine/CN  
 E4 0 UF 6-chrysylamine/CN  
 E5 0 UF CP 1001/CN  
 E6 0 UF chrysenex/CN  
 \*\*\*\*\* END \*\*\*\*\*

**EXPAND in /MN Thesaurus**

=> E D2.113.250.+ALL/MN

E1 BT3 D Chemicals and Drugs/MN  
 E2 BT2 Organic Chemicals/MN  
 E3 BT1 Anhydrides/MN  
 E4 BT4 D Chemicals and Drugs/MN  
 E5 BT3 Heterocyclic Compounds/MN  
 E6 BT2 Heterocyclic Compounds, 1-Ring/MN  
 E7 BT1 Furans/MN  
 E8 --> D2.113.250./MN  
 E9 MH Citraconic Anhydrides/MN  
 DC an INDEX MEDICUS major descriptor  
 NOTE Methylmaleic anhydrides.  
 AQ AD AE AG AI AN BL CF CH CL CS CT DU EC HI IM IP ME  
 PD PK PO RE SD ST TO TUUR  
 PNTE Anhydrides (1969-1974)  
 PNTE Maleates (1972-1974)  
 HNTE 91(79); was see under FURANS 1979-90; was  
 CITRACONIC ANHYDRIDE see under FURANS 1977-78 &  
 see under MALEATES 1975-76  
 ONTE use CITRACONIC ANHYDRIDES to search CITRACONIC  
 ANHYDRIDE 1975-78  
 MHTH NLM (1975)  
 E10 UF Anhydrides, Citraconic/MN  
 E11 UF Anhydrides, Methylmaleic/MN  
 E12 UF Methylmaleic Anhydrides/MN  
 \*\*\*\*\* END \*\*\*\*\*

**EXPAND in /CT Thesaurus**

=> E PLATELET AGGREGATION INHIBITORS+ALL/CT

E1 0 BT5 D Chemicals and Drugs/CT  
 E2 0 BT4 Chemical Actions and Uses/CT  
 E3 0 BT3 Pharmacologic Actions/CT  
 E4 16 BT2 Therapeutic Uses/CT  
 E5 281 BT1 Hematologic Agents/CT  
 E6 25622 --> Platelet Aggregation Inhibitors/CT  
 E7 25622 MN D27.505.954.502.780./CT  
 DC an INDEX MEDICUS major descriptor  
 NOTE Drugs or agents which antagonize or impair any  
 mechanism leading to blood platelet aggregation,  
 whether during the phases of activation and shape  
 change or following the dense-granule release  
 reaction and stimulation of the  
 prostaglandin-thromboxane system.  
 INDX DF: PLATELET INHIB  
 AQ AD AE AG AN BL CF CH CL CS CT DU EC HI IM IP ME  
 PD PK PO RE SD ST TO TU UR  
 PNTE Blood Platelets (1966-1987)  
 PNTE Platelet Adhesiveness (1972-1987)  
 PNTE Platelet Aggregation (1976-1987)  
 HNTE 88  
 MHTH NLM (1988)  
 E8 0 UF Agents, Antiplatelet/CT

```

E9      0      UF      Aggregation Inhibitors, Platelet/CT
E10     0      UF      Antagonists, Blood Platelet/CT
E11     0      UF      Antagonists, Platelet/CT
E12     0      UF      Antiaggregants, Blood Platelet/CT
E13     0      UF      Antiaggregants, Platelet/CT
E14     0      UF      Antiplatelet Agents/CT
E15     0      UF      Antiplatelet Drugs/CT
E16     0      UF      Blood Platelet Aggregation Inhibitors/CT
E17     0      UF      Blood Platelet Antagonists/CT
E18     0      UF      Blood Platelet Antiaggregants/CT
E19     0      UF      Drugs, Antiplatelet/CT
E20     0      UF      Inhibitors, Platelet/CT
E21     0      UF      Inhibitors, Platelet Aggregation/CT
E22     0      UF      PLATELET AGGREGATION INHIB/CT
E23     0      UF      Platelet Antagonists/CT
E24     0      UF      Platelet Antiaggregants/CT
E25     0      UF      Platelet Inhibitors/CT
E26     6490   NT1     Alprostadil/CT
E27     37205   NT1     Aspirin/CT
E28     7292    NT1     Dipyridamole/CT
E29     697     NT1     Disintegrins/CT
E30     11890   NT1     Epoprostenol/CT
E31     1779    NT1     Iloprost/CT
E32     2815    NT1     Ketanserin/CT
E33     1147    NT1     Milrinone/CT
E34     3647    NT1     Pentoxifylline/CT
E35     918     NT1     S-Nitrosoglutathione/CT
E36     874     NT1     S-Nitrosothiols/CT
E37     1233    NT2     S-Nitroso-N-Acetylpenicillamine/CT
E38     918     NT2     S-Nitrosoglutathione/CT
E39     7156    NT1     Ticlopidine/CT
E40     267     NT1     Trapidil/CT
***** END *****

```

**DISPLAY BIB for EPUB AHEAD OF PRINT (NOTE: To manage the content of EPUB AHEAD OF PRINT records in your answer set use: EPUB AHEAD OF PRINT/FS)**

```

AN      2015441417      MEDLINE (EPUB AHEAD OF PRINT)      Full-text
DN      PubMed ID: 25565369
TI      Resistant Hypertension and Renal Denervation Where to Now?.
AU      Shaw James A
CS      Dept of Cardiology, Alfred Hospital, Baker IDI Heart and Diabetes
        Institute.
AU      Warren Josephine
SO      Cardiovascular therapeutics, (2015 Jan 7).  Electronic Publication Date:
        7 Jan 2015
        Journal code: 101319630.  E-ISSN: 1755-5922.  L-ISSN: 1755-5914.
DOI     http://dx.doi.org/10.1111/1755-5922.12103
DT      Journal; Article; (JOURNAL ARTICLE)
LA      English
FS      EPUB AHEAD OF PRINT; NONMEDLINE; NONINDEXED
FS      Print; Electronic
ED      Entered STN: 8 Jan 2015
        Last Updated on STN: 8 Jan 2015

```

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Internet: [www.stn-international.com](http://www.stn-international.com)

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Tokyo 113-0021  
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+81-3-5978-3621 (Customer Service)  
E-mail: [support@jaici.or.jp](mailto:support@jaici.or.jp) (Technical Service)  
[customer@jaici.or.jp](mailto:customer@jaici.or.jp) (Customer Service)  
Internet: [www.jaici.or.jp](http://www.jaici.or.jp)