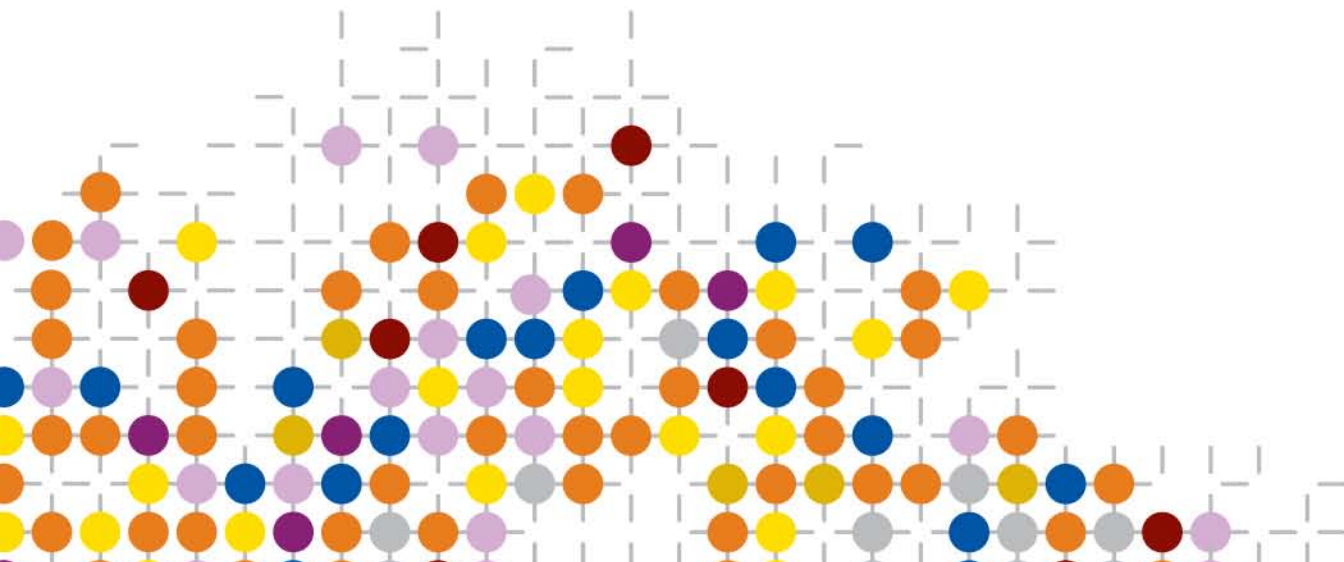


# New developments with Embase (EAHIL, Lisbon 2010)

Ian Crowlesmith  
Senior Product Manager, Elsevier



- ❖ Content developments
- ❖ New search tools
- ❖ Working with Cochrane



# Embase unique journals

The screenshot shows the Embase website homepage. At the top right, there are links for 'Go to Embase' and 'Register'. The main header features the Embase logo and a navigation menu with items: 'What is Embase?', 'Why use Embase?', 'How to subscribe?', and 'Customer support'. A search bar is located on the right side of the navigation menu. Below the navigation menu, there are four tabs: 'Coverage' (highlighted in purple), 'Emtree', 'Who uses Embase', and 'Embase Classic'. The main content area is titled 'Comprehensive Coverage' and includes two paragraphs of text. Below this, there is a section for 'Embase Classic' and another for 'New content additions'. On the right side, there is a 'News and Events' section with a list of release dates and a 'twitter' link. At the bottom, there are three columns: 'Embase Titles' (highlighted with a red box), 'Conferences', and 'Contact Us'. Each column has a folder icon labeled 'TITLE DOCUMENT'.

Go to Embase → Register

embase®  
BIOMEDICAL ANSWERS

What is Embase? Why use Embase? How to subscribe? Customer support

Search this site

Coverage Emtree Who uses Embase Embase Classic

## Comprehensive Coverage

With over 20 million indexed records from more than 7,000 active, peer-reviewed journals Embase quickly and accurately delivers the biomedical answers you need.

Holding over 2,000 biomedical titles not offered by Medline, Embase delivers comprehensive, authoritative, reliable coverage of the most relevant biomedical literature.

### Embase Classic

Embase Classic provides you with research results from between 1947 and 1973. We recognize that in order to move forwards, sometimes you have to take a step back.

### New content additions

We have recently started including indexed Articles in Press and conference abstracts in Embase. You can be confident that with Embase you'll stay one step ahead of the competition. [Click here for a full summary of conferences covered by Embase.](#)

**NEW video:**  
Embase Supports  
Medical Librarians  
in uni's & hospitals.

#### News and Events

January 29 Release  
November 27 release  
October 9 release  
[More news and events](#)

twitter Latest tweets

**Embase Titles**  
[Review all Embase titles](#)  
[Suggest new titles](#)

**Conferences**  
[Review conferences covered by Embase](#)

**Contact Us**  
[The quickest way to get in touch](#)

# Embase unique conferences

The screenshot shows the Embase website homepage. At the top right, there are links for 'Go to Embase' and 'Register'. The main header features the Embase logo and a navigation menu with items: 'What is Embase?', 'Why use Embase?', 'How to subscribe?', and 'Customer support'. A search bar is located on the right side of the navigation menu. Below the navigation menu, there are tabs for 'Coverage', 'Emtree', 'Who uses Embase', and 'Embase Classic'. The 'Coverage' tab is selected. The main content area is titled 'Comprehensive Coverage' and includes text about the database's size and reliability. Below this, there are sections for 'Embase Classic' and 'New content additions'. On the right side, there is a 'News and Events' section with a 'twitter' link. At the bottom, there are three main sections: 'Embase Titles', 'Conferences', and 'Contact Us'. The 'Conferences' section is highlighted with a red box and contains a folder icon labeled 'TITLE DOCUMENT' and a link to 'Review conferences covered by Embase'.

Go to Embase → Register

embase®  
BIOMEDICAL ANSWERS

What is Embase? Why use Embase? How to subscribe? Customer support

Search this site

Coverage Emtree Who uses Embase Embase Classic

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twitter Latest tweets

Embase Titles  
[Review all Embase titles](#)  
[Suggest new titles](#)

Conferences  
[Review conferences covered by Embase](#)

Contact Us  
[The quickest way to get in touch](#)

# Conferences in Embase

- Beginning in 2009, over 500 conferences now added
  - ✓ More than 150,000 conference abstracts each year
- Conferences published in any of more than 3000 journals
  - ✓ Focus on key drugs and clinical journals
- Unique features:
  - ✓ Every conference summarized by a searchable review record
  - ✓ All records have searchable online abstracts
  - ✓ All conference abstracts & reviews indexed with Emtree
  - ✓ Conference name, date and location are all searchable



# In-depth drug indexing

## Search Forms

- Quick Search
- Advanced Search
- Drug Search
- Disease Search
- Article Search







## Search Results

- Session Results**
- Clipboard
- Saved Clipboards
- Email Alerts
- Saved Searches

## Search Tips

- What's new in Embase?
- Many Full text links require either a subscription or pay-per-view fee for access.
- To repeat your search on the web, use the Scirus link at the bottom of the page.

## Session Results

Search Query	Results	Actions	Alerts
#3 #1 AND #2	4	<a href="#">View</a>   <a href="#">Edit</a>	 
#2 'digoxin'/exp/dd_it AND 'antiinfective agent'/exp/dd_it	1,691	<a href="#">View</a>   <a href="#">Edit</a>	 
#1 'congestive heart failure'/exp AND 'pneumonia'/exp	1,896	<a href="#">View</a>   <a href="#">Edit</a>	 

## 4 Search Results

View | Print | Export | Email | Order | Add to Clipboard | Refine Search Details - [Open](#)

Sort by:  Relevance  Publication Year  Entry Date Selected:  0 (clear), or select first:  4  500  5000

- [CE: New drug update 2004 - Part2](#)

**Drug Topics** 2005 149:4 [Cited by: 0](#)

Embase [No abstract available] [Preview Index Terms](#)
- [Safety profile of oral and intravenous moxifloxacin: Cumulative data from clinical trials and postmarketing studies](#)

Ball P., Stahlmann R., Kubin R., Choudhri S., Owens R.

**Clinical Therapeutics** 2004 26:7 (940-950) [Cited by: 47](#)

Embase MEDLINE [Preview Abstract](#) [Preview Index Terms](#) [View Full Text](#)

**Drug Terms**

amoxicillin, amoxicillin plus clavulanic acid, antacid agent, anticoagulant agent, astemizole, azithromycin, cefalexin, cefixime, cefuroxime axetil, ciprofloxacin, cisapride, clarithromycin, clinafloxacin, cyclosporin, digoxin, doxycycline, gatifloxacin, glibenclamide, iron, levofloxacin, metronidazole, moxifloxacin, ofloxacin, prochlorperazine, ranitidine, trimethoprim, trovafloxacin, unindexed drug

**Disease Terms**

abdominal pain, angina pectoris, bradycardia, drug concentration, drug interaction, pharmacokinetics, congestive heart failure, diabetes mellitus, diarrhea, dizziness, dyspepsia, ECG abnormality, gas, heart atrium fibrillation, heart infarction, heart palpitation, heart ventricle tachycardia, hyperglycemia, hypotension, insomnia, kidney dysfunction, liver dysfunction, liver failure, nausea, phlebitis, pseudomembranous colitis, QT prolongation, rash, shock, sinusitis, substernal pain, syncope, tachycardia, thorax pain, vomiting, xerostomia

**Other Terms**

cardiovascular risk, clinical trial, data base, drug absorption, drug formulation, drug safety, drug withdrawal, glucose homeostasis, glucose metabolism, human, injection site, mortality, nonhuman, postmarketing surveillance, review

## 1 Search Result

Search Details - [Open](#)

[View](#) | [Print](#) | [Export](#) | [Email](#) | [Order](#) | [Add to Clipboard](#) | [Refine](#)

1-1

Sort by:  Relevance  Publication Year  Entry Date

Selected:  0 (clear), or select first:  1  500  5000

- 1 [Evaluation of in vivo P-glycoprotein phenotyping probes: A need for validation](#)  
Ma J.D., Tsunoda S.M., Bertino J.S., Trivedi M., Beale K.K., Nafziger A.N.  
*Clinical Pharmacokinetics* 2010 49:4 (223-237)

[Embase](#) [MEDLINE](#) [Preview Abstract](#) [Preview Index Terms](#) [View Full Text](#) ⇨

### Drug Terms

adenosine triphosphate, [carbamazepine](#), carbon 11, [clarithromycin](#), complementary DNA, [cremophor](#), [curcumin](#), digoregen, digosin, [digoxin](#), [dipyridamole](#), [efoxfenadine](#), [glycoprotein P](#), [hyperforin](#), [Hypericum perforatum extract](#), [itraconazole](#), [protein 1](#), [quinidine](#), [rifampicin](#), [ritonavir](#), [talinolol](#), unclassified drug, [valsopodar](#), [verapamil](#)

### Disease Terms

[allergic rhinitis](#), [congestive heart failure](#), [hay fever](#), [heart arrhythmia](#), [heart atrium fibrillation](#), [malaria](#), [C](#)

### Other Terms

area under the curve, astrocyte, blood brain barrier, blood cerebrospinal fluid barrier, blood sampling, cell n, dose time effect relation, drug blood level, drug clearance, drug determination, **drug disposition**, drug form, enzyme immunoassay, fluorescence polarization, food drug interaction, gene expression, genetic polymorphis, high performance liquid chromatography, human, Hypericum perforatum, in vivo study, isotope labeling, kid, pharmacogenetics, **phenotype**, positron emission tomography, priority journal, protein localization, review, small intestine, tandem mass spectrometry, tissue distribution, validation study

[View](#) | [Print](#) | [Export](#) | [Email](#) | [Order](#) | [Add to Clipboard](#)

### digoxin

#### Key Subheadings

adverse drug reaction	QT prolongation
drug interaction	clarithromycin, cremophor, dipyridamole, hyperforin, Hypericum perforatum extract, rifampicin, ritonavir, valsopodar, verapamil
drug therapy	congestive heart failure, heart atrium fibrillation

#### Other Subheadings

drug administration, drug concentration, drug dose, drug toxicity, intravenous drug administration, oral drug administration, pharmaceuticals, pharmacokinetics

# The Embase advantage

- All of Medline plus an additional 2000 journals
  - ✓ focus on drugs & clinical information
- Conference abstracts since 2009
  - ✓ currently 160,000 abstracts
- Emtree thesaurus covers > 27,000 drugs
  - ✓ every drug can be indexed with subheadings
- In-depth drug indexing
  - ✓ supplemented with additional information (from 2007)





# Using PICO in Embase

- P** = Patient
- I** = Intervention
- C** = Comparison
- O** = Outcome



# Levels of evidence in Emtree (1)

### Query Builder

Build a multi-term search query

Find Term **Browse by Facet**

**Find Term**  
evidence based medicine  
Type word or phrase (without quotes) Find Term

For term: 'evidence based medicine'  
Extend your search:  Explosion  As major focus

[Take this query to Advanced Search](#) or Add to Query Builder →

**Emtree**

- types of article or study
  - types of study
    - methodology
      - evidence based practice
        - evidence based medicine** 420,221 Records
          - consensus development
          - evidence based emergency medicine
          - meta analysis
          - outcomes research
          - randomized controlled trial
          - systematic review

**History**  
This term was added to Emtree in 1997

**Synonyms**  
evidence-based medicine; evidence based medical practice

**Dorland's dictionary**  
*evidence-based medicine* = the practice of medicine based on the use of methods of diagnosis and treatment whose effectiveness has been demonstrated by well-designed, peer-reviewed studies.  
Definition from *Dorland's Medical Dictionary*, 30th edition, copyright © 2003 by Elsevier. For more information please go to [www.dorlands.com](http://www.dorlands.com)

evidence based medicine 420,221 Records

consensus development

evidence based emergency medicine

meta analysis

outcomes research

randomized controlled trial

systematic review

# Levels of evidence in Emtree (2)

### Query Builder

Build a multi-term search query

Find Term **Browse by Facet**

**Find Term**  
clinical trial  
Type word or phrase (without quotes) Find Term

For term: 'clinical trial'  
Extend your search:  Explosion  As major focus

[Take this query to Advanced Search](#) or Add to Query Builder →

**Emtree**

- types of article or study
  - types of study
    - in vivo study
      - clinical study
        - clinical trial** 789,426 Records
          - +** controlled clinical trial
          - multicenter study
          - phase 1 clinical trial
          - phase 2 clinical trial
          - phase 3 clinical trial
          - phase 4 clinical trial

**clinical trial** 789,426 Records

- +** controlled clinical trial
- multicenter study
- phase 1 clinical trial
- phase 2 clinical trial
- phase 3 clinical trial
- phase 4 clinical trial

**History**  
This term was added to Emtree in 1974

**Synonyms**  
clinical trials; clinical trials as topic; trial, clinical

# Collaboration with Cochrane

1993: Randomized controlled trial defined in Emtree

1997: UK Cochrane Centre project

- 100,000 additional RCTs & CCTs identified
- many RCTs unique to Embase
- unique non-English RCTs

2004: Systematic Review added as Emtree term

2011: Differentiation of study types vs topic terms



# Unique content in Embase

Carol Lefebvre MLA 2010

- ‘Embase is a rich source of reports of randomized trials that are either not included in MEDLINE or not indexed as trials in MEDLINE, especially reports in some languages other than English’.
- ‘In addition to searching CENTRAL, people looking for reports of randomized trials should search Embase, as well as MEDLINE, for reports published in recent years that have not yet been considered for inclusion in CENTRAL’.

Ref: Lefebvre *et al.* *Emerging Themes in Epidemiology* 2008 5:13

# Embase vs MEDLINE

## Randomized controlled trials

Language	Embase on Elsevier	Medline on Ovid	Embase advantage	Percent
Turkish	613	75	538	717%
Korean	134	46	88	191%
Portuguese	712	442	270	61%
Dutch	606	442	164	37%
Chinese	5366	3945	1421	36%
Polish	491	434	57	13%
Spanish	2316	2137	179	8%
French	3952	3904	48	1%
German	8393	8566	-173	-2%

Search date: 14 June 2010

# Systematic Reviews

## Refine by journal, publication type or year

### Session Results

Save | Delete | Print | Email | Export    Combine using  And  Or    Basic | Advanced

Search Query

#1 'systematic review'/exp

Save | Delete | Print | Email | Export

**34,358 Search Results**

View | Print | Export | Email | Order | Add to Clipboard

Sort by:  Relevance  Publication Year

1 [Non-therapeutic risk factors for](#)  
Tenback D.E., Van Harten P.N.,  
*Movement Disorders* 2009 24:  
Embase MEDLINE Preview

2 [Association of human parvovirus](#)  
Zhang Y.-D., Hu Q., Liu S.-Y., L  
*Chinese Journal of Contempo*  
Embase MEDLINE Preview

3 [The peroneus reaction time durin](#)  
Menacho M.D.O., Pereira H.M.,  
[In Process] *Journal of Electron*  
Embase Preview Abstract

4 [Systematic review of prospective](#)  
Calabria B., Degenhardt L., Brie  
[In Process] *Addictive Behavior*  
Embase Preview Abstract

**Refine** BETA

Journal Title

- Cochrane Database of Systematic Reviews (1,640)
- Chinese Journal of Evidence-Based Medicine (331)
- British Medical Journal (296)
- Alimentary Pharmacology and Therapeutics (224)
- Annals of Internal Medicine (224)

[more](#)

Publication Type

- Review (19,883)
- Article (8,618)
- Conference Paper (1,010)
- Letter (1,001)
- Short Survey (951)
- Note (905)
- Conference Abstract (785)
- Editorial (777)
- Article in Press (411)
- Conference Review (14)

[less](#) | [more](#)

Publication Year

- 2010 (2,180)
- 2009 (5,884)
- 2008 (4,180)
- 2007 (5,922)
- 2006 (6,975)

[more](#)

[send feedback](#)   

Results

34,358

(clear), or select first:  100

## New refinements to be added

The screenshot displays the Embase Refine search interface. At the top, there are navigation tabs for Search, Emtree, Journals, and Authors. Below these are filters for Quick, Advanced, Drug, Disease, and Article. The main header shows 'Session Results' with options for Clipboard, Saved Clipboards, Email Alerts, and Saved Searches. A search bar contains the query '#1 'flu'/exp OR flu' and shows 49,090 results. A 'Refine Search' sidebar is highlighted with a red box, listing various filters such as Drug, Disease, Study Type, Journal Title, Publication Type, and Publication Year. The main results area shows a list of search results, including titles like 'Relationship between antiepileptic drugs and biological markers affecting long-term cardiovascular function in children and adolescents' and 'Pre-existing immunity against swine-origin H1N1 influenza viruses in the general human population'. Each result includes the journal name, volume, and issue information, along with options to view the abstract or full text.

**Search** Emtree Journals Authors **Help**

Quick Advanced Drug Disease Article **Session Results** Clipboard Saved Clipboards Email Alerts Saved Searches

**Session Results**

Save | Delete | Print | Email | Export Combine using  And  Or Basic | Advanced [Change View](#)

Search Query **Results Actions Alerts**

#1 'flu'/exp OR flu **49,090** [View](#) | [Edit](#) | [Print](#) | [Email](#) [Change View](#)

Save | Delete | Print | Email | Export [Change View](#)

**Refine Search** <sup>BETA</sup> **49,090 Search Results** [Search Details - Open](#)

[View](#) | [Print](#) | [Export](#) | [Email](#) | [Add to Clipboard](#) 1-25 [next](#) ▶

Sort by:  Relevance  Publication Year  Entry Date Selected:  0 (clear), or select first:  100  500  5000

**Drug**

- influenza vaccine (500)
- placebo (249)
- unclassified drug (229)
- oseltamivir (199)
- antiviral agent (157) [more](#)

**Disease**

**Study Type**

**Journal Title**

- Vaccine (1,011)
- Lancet (475)
- Voprosy virusologii (413)
- Journal of Infectious Diseases (379)
- Clinical Infectious Diseases (348) [more](#)

**Publication Type**

- Article (31,994)
- Review (7,586)
- Note (1,921)
- Letter (1,724)
- Conference Paper (1,533) [more](#)

**Publication Year**

[Apply Limits](#)

1 [Relationship between antiepileptic drugs and biological markers affecting long-term cardiovascular function in children and adolescents](#)  
Cheng L.S., Prasad A.N., Rieder M.J.  
*Canadian Journal of Clinical Pharmacology* 2010 17:1  
Embase MEDLINE [Preview Abstract](#) [Preview Index Terms](#) [OpenUrl](#) ⇄

2 [Pre-existing immunity against swine-origin H1N1 influenza viruses in the general human population](#)  
Greenbaum J.A., Kotturi M.F., Kim Y., Oseroff C., Vaughan K., Salimi N., Vita R., Ponomarenko J., Scheuermann R.H., Sette A., Peters B.  
*Proceedings of the National Academy of Sciences of the United States of America* 2009 106:48 (20365-20370)  
Embase MEDLINE [Preview Abstract](#) [Preview Index Terms](#) [View Full Text](#) ⇄ [OpenUrl](#) ⇄

3 [Immunosenescence and vaccination of the elderly II. New strategies to restore age-related immune impairment](#)  
Ongrádi J., Stercz B., Kövesdi V., Vértés L.  
*Acta Microbiologica et Immunologica Hungarica* 2009 56:4 (301-312)  
Embase MEDLINE [Preview Abstract](#) [Preview Index Terms](#) [View Full Text](#) ⇄ [OpenUrl](#) ⇄

4 [Putting evidence to work](#)  
*MEDICC Review* 2010 12:1 (3-)  
Embase [No abstract available] [Preview Index Terms](#) [OpenUrl](#) ⇄

5 [Faceoff: Cuba vs H1N1 influenza](#)  
Reed G.  
*MEDICC Review* 2010 12:1 (6-12)  
Embase [No abstract available] [Preview Index Terms](#) [OpenUrl](#) ⇄

6 [Recipients of vaccine against the 1976 "swine flu" have enhanced neutralization responses to the 2009 novel H1N1 influenza virus](#)  
McCullers J.A., Van De Velde L.-A., Allison K.J., Branum K.C., Webby R.J., Flynn P.M.  
(In Process) *Clinical Infectious Diseases* 2010 50:11 (1487-1492)  
Embase [Preview Abstract](#) [Preview Index Terms](#) [View Full Text](#) ⇄ [OpenUrl](#) ⇄

7 [Subacute thyroiditis in the course of novel H1N1 influenza infection](#)  
Dimos G., Pappas G., Akritidis N.  
(In Process) *Endocrine* 2010 37:3 (440-441)

ELSEVIER



# Embase developments: summary

1. Embase has comprehensive and unique content
  - Unique journals
  - Conference information
2. Search tools: easier to find relevant content
  - Extended linkage between drugs & diseases
  - New ways to refining searches
3. Long-standing collaboration with UK Cochrane Centre
  - Additional RCTs & CCTs in Embase, esp. non-English
  - Indexing of systematic reviews

