



# 薬学・医学文献データベース Embase

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## Embaseとは

- **薬学・医学文献検索のためのデータベース**
  - 医薬品に関する研究情報、医薬品開発の治験論文を豊富に収録
  - 医療機器検索に特化した検索モードを搭載
  - PICO検索にも対応
- **簡単で効率的な検索機能**
  - 辞書を搭載しているので、一単語で関連する用語を一度に検索
  - 医薬品名からも病名からも簡単検索
  - 副索引によって、臨床試験や安全性情報も簡単に取得
  - 商品名や会社名からも検索が可能
- **全文をインデックス化するため、抄録以外に記載されたデータも検索可能**
  - 本文にのみ記載のある薬剤も検索できる
- **Alertサービスにより、最新情報を定期的に入手**

## Embaseの収録コンテンツ

- [EMBASE]と[MEDLINE]を同時に検索

- EMBASEとMEDLINEを統合・重複除去した、2900万件以上のレコードを収録

- 約8500誌のジャーナル(内約2,800誌はMEDLINE未収録)

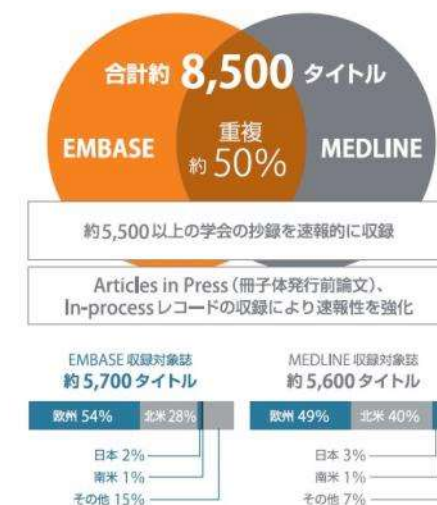
- EMBASE: 医薬品、治験に関する文献、学会発表抄録などを収録
    - MEDLINE: 医薬品関連の文献を中心に収録

- 約7,000学会の抄録を収録

- Article in pressも収録

- 臨床から基礎までの広い分野の文献をカバー

- 統制シソーラス搭載 – EMTREE



## 統制シソーラスによるバックアップ

### • EMTREEとは

- 81,000語以上のPreferred Term
- 32,000語以上の薬剤・化学物質名
- 70,000語以上の医療機器、医療処置、一般医療用語
  - \* **Medical Device Preferred Term:**  
4,300語、同義語15,400語
- 上記用語に紐付く355,000語以上の同義語
- すべてのMeSHタームをマッピング
- サブヘディングにより医薬品・疾病とリンク

The screenshot displays the Emtree Query Builder interface. At the top, it says "Query Builder: Build a multi-term search query". There are two tabs: "Find Term" (selected) and "Browse by Facet". Below the tabs is a search input field containing "varenicline" and a "Find Term" button. Underneath, it shows "For term: 'varenicline'" and options to "Extend your search" with checkboxes for "Explosion" (checked) and "As major focus". There are buttons for "Take this query to Drug Search" and "Add to Query Builder".

The main content area shows a hierarchical tree structure (Emtree) for "varenicline". The tree branches into "chemicals and drugs" and "drugs used in the treatment of addiction". Under "chemicals and drugs", it lists "agents interacting with transmitter, hormone or drug receptors", "cholinergic receptor affecting agent", "cholinergic receptor stimulating agent", and "nicotinic agent". Under "nicotinic agent", it lists "varenicline" with a link to "2,610 Records". Under "drugs used in the treatment of addiction", it lists "varenicline" with a link to "2,610 Records".

Below the tree, there is a "History" section stating "This term was added to Emtree in 2006". A "Synonyms" section lists various chemical names and their corresponding CAS numbers. A "CAS Registry Numbers" section lists "249296-44-4; 375815-87-5". A "Dorland's dictionary" section provides a definition for "Chontix" and "varenicline tartrate".

入力した用語からEMTREEへの自動マッピング

# 臨床から基礎まで広い分野の文献をカバー



## 検索に特化したインターフェイス

**Device Search**

e.g. 'mydevice'

Search > Mapping ▾ Date ▾ Sources ▾ Device fields ▾ **Device subheadings ▲** Quick limits ▾ EBM ▾ Pub. types ▾ Languages ▾

Device subheadings Clear page selections Collapse

- Adverse device effect
- Device comparison
- Device e
- Clinical t

OR

**Device Field:**  
製造会社名、商品名  
**Device Subheadings:**  
副作用やClinical Trialなど

**Disease Search**

e.g. 'acute myeloblastic leukaemia'

Search > Mapping ▾ Date ▾ Sources ▾ Fields ▾ **Disease subheadings ▲** Quick limits ▾ EBM ▾ Pub. types ▾ Language ▾

Disease subheadings Clear page selections Collapse

- Complication
- Congenital disorder
- Diagnosis
- Disease managemen
- Drug resistance
- Drug therapy

OR

**Disease Subheadings**  
治療、診断、薬物療法など  
14概念

**Drug Search**

e.g. 'low molecular weight heparin'

Search > Mapping ▾ Date ▾ Sources ▾ Drug fields ▾ **Drug subheadings ▲** Routes ▾ Quick limits ▾

Subheadings Clear page selections Collapse

<input type="checkbox"/> Adverse drug reaction	<input type="checkbox"/> Drug concentration	<input type="checkbox"/> Endogenous compound
<input type="checkbox"/> Clinical trial	<input type="checkbox"/> Drug development	<input type="checkbox"/> Pharmaceuticals
<input type="checkbox"/> Drug administration	<input type="checkbox"/> Drug dose	<input type="checkbox"/> Pharmacoeconomics
<input type="checkbox"/> Drug analysis	<input type="checkbox"/> Drug interaction	<input type="checkbox"/> Pharmacokinetics
<input type="checkbox"/> Drug combination	<input type="checkbox"/> Drug therapy	<input type="checkbox"/> Pharmacology

**Drug Subheadings**  
副作用、臨床試験など  
17概念

それぞれの検索に特化した検索モードで精度の高い検索を実現

## PICO検索フォーム

**P** = Patient

**I** = Intervention

**C** = Comparison/control

**O** = Outcome

PICO検索フォームはシステマティックレビューのための文献検索専用検索フォーム。

システマティックレビューのための文献検索には網羅性が重視されるが、膨大な文献から適切な検索結果を得ることは容易ではないため、Embase ではシステマティックレビューにおけるPICO 検索をサポートするための専用検索フォームを開発

Embase®

Find best term  
meningitis

PICO Search  
Translate your medical question into search queries

Population

Intervention

Comparison

Outcome

Entree

- diseases
  - physical disease
    - physical disease by anatomical structure
      - neurologic disease
        - central nervous system disease
          - central nervous system infection
            - meningitis** (Add to Query +)
              - arachnoiditis
              - aseptic meningitis
              - bacterial meningitis
              - epidemic meningitis
              - fungal meningitis
              - group B streptococcal men...

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meningitis

PICO Search  
Translate your medical questions into search queries

Population

meningitis /br Add 6 Synonyms

/br - search strategy  
Maps, explodes and searches your term as free text in all fields.

<input type="radio"/>	/mj Major focus	20400 Results
<input type="radio"/>	/de Index term	43494 Results
<input type="radio"/>	/exp Explosion	91230 Results
<input checked="" type="radio"/>	/br Broad	103898 Results

+ Add Synonyms Remove Token X

- haemophilus meningitis
- lymphocytic choriomeningitis
- meningoencephalitis



# Embaseでしか得られない情報①

## Concept Finder

The screenshot displays the Embase Concept Finder interface. On the left, there is a sidebar with various filters such as 'Age', 'Gender', 'Study types', and 'Device Manufacturers'. The main area shows search results for 'zotarolimus eluting coronary stent'. A tooltip is visible over the search term, listing 'adverse device effect' and 'stent malapposition' as key subheadings. The search results include titles like 'Comparison of the 9-month intra-stent conditions and 2-year clinical...' and 'One-year clinical outcome of biodegradable polymer-coated zotarolimus eluting coronary stent...'. A large orange callout box on the right contains the following text:

医薬品の副作用として現われる症状、比較・併用して用いる医薬品名  
 疾病の治療に用いられる医薬品名  
 医療機器による副作用など

At the bottom of the interface, there is a large orange banner with the text: 抄録からは読み取れない論文の内容により、検索結果を精査可能に



## Embaseでしか得られない情報②

### Scopus Link (被引用情報へのリンク)

Scopus 検索 収録誌 アラート リスト ヘルプ SciVal ユーザー登録 ログイン

16件の文献が引用:

16件の文献

16件の被引用文献情報

研究の進展状況を把握

### 臨床試験情報サイトへのリンク (ClinicalTrials.gov, EudraCT)

ClinicalTrials.gov  
A service of the U.S. National Institutes of Health  
Try our beta test site

Find Studies About Clinical Studies Submit Studies Resources About This Site

Home > Find Studies > Study Record Detail

**Allogeneic Mesenchymal Stromal Cell Therapy in Renal Transplant Recipients (Neptune)**

This study is currently recruiting participants. (see Contacts and Locations)  
Verified September 2016 by Leiden University Medical Center

Sponsor:  
Leiden University Medical Center

Information provided by (Responsible Party):  
M.E. J. Reinders, Leiden University Medical Center

ClinicalTrials.gov Identifier:  
NCT02387151

First received: March 3, 2015  
Last updated: September 6, 2016  
Last verified: September 2016  
History of Changes

Full Text View Tabular View No Study Results Posted Disclaimer How to Read a Study Record

**Purpose**  
This study will test whether selected allogeneic bone marrow derived MSCs are safe by assessing the composite end point Biops...

Condition	Intervention
Rejection Graft Loss	Drug: mesenchymal stromal cells

Study Type: Interventional  
Study Design: Intervention Model: Single Group Assaignment

臨床試験の計画・結果を知る

## Alertサービスにより、最新情報入手

- 必要な情報だけをEmailで受信



The screenshot displays an email alert from EMBASE. At the top left is the EMBASE logo. At the top right, there are links: "EDIT any email alert", "DISABLE this email alert", and "Go to Embase search results". A central orange box contains the text "Alert結果". Below this, a yellow banner states: "28 new articles for the period 2014-12-08 to 2014-12-15 were found for search 'asthma'". The main content is a list of four articles. An orange callout box with a pointer to the second article contains the text "Embaseレコードへのリンク".

**EMBASE®**

EDIT any email alert  
DISABLE this email alert  
Go to Embase search results

**Alert結果**

28 new articles for the period 2014-12-08 to 2014-12-15 were found for search "asthma".

1. **Effects of provinol and its combinations with clinically used antiasthmatics on airway defense mechanisms in experimental allergic asthma**  
Kazimierová I., Jošková M., Pecháňová O., Šutovská M., Fraňová S.  
Adv. Exp. Med. Biol. 2015 838: (27-34)  
Embase
2. **Potassium ion channels and allergic asthma**  
Kocmalova M., Oravec M., Adamkov M., Sadlonova V., Kazimierova I., Medvedova I., Joskov  
Adv. Exp. Med. Biol. 2015 838: (35-45)  
Embase
3. **UHPLC-MS for the analytical characterization of traditional Chinese medicines**  
Wang X., Zhang A., Yan G., Han Y., Sun H.  
TrAC Trends Anal. Chem. 2014 63: (180-187)  
Embase
4. **Asthma: Pathogenesis and novel drugs for treatment**  
Olin J.T., Wechsler M.E.  
BMJ (Online) 2014 349:  
Embase

**Embaseレコードへのリンク**

## PubMedとの検索結果の比較

- 同じキーワードを用いても、収録対象・索引の違いにより、**ヒット件数**が大きく異なる
- Embaseは、**薬物名**や**疾病名**を重視した検索に力を発揮

### Embase と PubMed 検索結果の比較

薬物名でのヒット数の違い			疾病名でのヒット数の違い		
検索語	Embase	PubMed	検索語	Embase	PubMed
Rituxan	45,393	14,196	Diabetes	835,668	509,976
Plavix	40,837	10,193	Pneumonia	253,877	121,692
Humira	17,682	4,476	Hyperlipidemia	128,071	67,361

2015年6月4日時点

## PubMedに対するEmbaseの優位性

- フルテキストからのマニュアルインデキシング
- 医薬品に関する研究情報、医薬品開発の治験論文を豊富に収録
- 2009年より学会発表抄録の収録を開始
- Drug/Diseaseモードで医薬品・疾病に関する文献を的確に検索
- Deviceに特化した検索にも対応
- 検索結果から被引用情報・臨床試験情報へのリンクを提供
- 検索式、任意のレコードを保存可能
- セキュアサイトで利用可能



# PICO検索フォーム



## PICO検索フォーム

**P** = Patient

**I** = Intervention

**C** = Comparison/control

**O** = Outcome

\*PICO is a method of putting together a search strategy that allows you to take a more evidence-based approach to literature searching

Embase<sup>®</sup>

Find best term  
meningitis

PICO Search  
Translate your medical question into search queries

Population

Intervention

Comparison

Outcome

Emtree

- diseases
  - physical disease
    - physical disease by anatomical structure
      - neurologic disease
        - central nervous system disease
          - central nervous system infection
            - meningitis** **Add to Query +**
              - arachnoiditis
              - aseptic meningitis
              - bacterial meningitis
              - epidemic meningitis
              - fungal meningitis
              - group B streptococcal men...

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meningitis /br Add 6 Synonyms

Emtree

- diseases
  - physical disease
    - /br - search strategy  
Maps, explodes and searches your term as free text in all fields.
      - /mj Major focus 20400 Results
      - /de Index term 43494 Results
      - /exp Explosion 91230 Results
      - /br Broad 103898 Results**

+ Add Synonyms Remove Token X

- naeophrys meningit...
- lymphocytic choriomeningitis
- meningoencephalitis

# 容易なシノニムの追加

## Embase'

5 Synonyms ✕

for meningitis

---

leptospirotic meningitis

---

meningeal inflammation

---

meningitis

---

meningitis, recurrent

---

perimeningeal infections

---

recurrent meningitis

PICO Search

Translate **Embase'**

Population **mening**

---

Intervention

---

Comparison

6 Synonyms ✕

for meningitis

---

leptospirotic meningitis

---

meningeal inflammation

---

meningitis

---

meningitis, recurrent

---

perimeningeal infections

---

recurrent meningitis

PICO Search

Translate your medical questions into search queries

Population

**meningitis /br** | **+ 6 Synonyms :all** |

**:all - search strategy**  
Search term in all fields of record

<input type="radio"/>	:ti title	5,000 Results
<input type="radio"/>	:ab abstract	10,000 Results
<input type="radio"/>	:ti,ab title or abstract	50,000 Results
<input checked="" type="radio"/>	:all all	100,000 Results

Remove Token ✕



## Combine queries

- Embaseは同一PICOフィールド内の用語間にORコネクターを配置
- 異なるPICOフィールド間にはANDを使用して検索
- 検索式を作成中にも自動的に検索結果数を画面右下に表示

The screenshot displays the 'PICO Search' interface. It is designed to translate medical questions into search queries. The interface is divided into four main sections: Population, Intervention, Comparison, and Outcome. Each section has a text input field and a 'Clear Field' button. The Population field contains three search terms: 'bacterial meningitis /br' with '+ 8 Synonyms :all', 'Haemophilus meningitis /br' with '+ 6 Synonyms :all', and 'pneumococcal meningitis /br' with '+ 4 Synonyms :all'. The Intervention field contains 'antibiotic\* :all'. The Comparison and Outcome fields are currently empty. At the bottom left, there is a 'Reset Query' button. At the bottom right, a blue button labeled 'Show 43 Results' is highlighted with a red circle and a blue arrow pointing to it from the text below.

More information is available in the Help file:  
[http://help.elsevier.com/app/answers/detail/a\\_id/4635/p/7794](http://help.elsevier.com/app/answers/detail/a_id/4635/p/7794)

## Embase活用事例

- ① 疾患名と副索引を組み合わせて検索
- ② 薬剤のブランド名からの検索
- ③ Drug Trade Nameによる絞り込み
- ④ PubMedとの比較: テモダール
- ⑤ 副作用名から薬剤を検索
- ⑥ 一般的な用語による検索
- ⑦ 製造会社名での検索

## <例1> 疾患名と副索引を組み合わせて検索①

検索例: 関節リウマチの薬物療法に関する文献を検索する

The screenshot shows the Embase® interface. The search bar contains 'rheumatoid ar'. A dropdown menu lists several options, with 'rheumatoid arthritis' selected. An orange callout box explains the first step: '① Disease Searchで「Rheumatoid art...」を入力し、Auto suggestで出てきた「Rheumatoid arthritis」を選択する (自動的に「」が付与される)'. Below the dropdown, the 'Disease subheadings' section is visible, with 'Drug therapy' selected. An orange callout box explains the second step: '② Disease subheadingsで「Drug therapy」を選択し、Searchで検索をする'. The 'Search' button is highlighted with an orange box and an arrow. The 'Disease subheadings' section includes checkboxes for various categories, with 'Drug therapy' checked. The 'Search' button is also highlighted with an orange box and an arrow.

Embbase® Search Emtree Journals Results

Disease Search

Quick PICO PV Wizard Advanced Drug **Disease** Device Article Aut

rheumatoid ar

- rheumatoid arthritis
- rheumatoid arthrosis use: osteoarthritis
- rheumatoid arthritis factor use: rheumatoid factor
- rheumatoid arthritis juvenile use: juvenile rheumatoid arthritis
- rheumatoid arthritis psoriatic use: psoriatic arthritis
- rheumatoid arthritis nodule use: rheumatoid nodule
- rheumatoid arteritis use: rheumatoid vasculitis

① Disease Searchで「Rheumatoid art...」を入力し、Auto suggestで出てきた「Rheumatoid arthritis」を選択する  
(自動的に「」が付与される)

② Disease subheadingsで「Drug therapy」を選択し、Searchで検索をする

rheumatoid arthritis

Search > Mapping Date Sources Fields **Disease subheadings** Quick limits EBM Pub. types

Disease subheadings

<input type="checkbox"/> Complication	<input type="checkbox"/> Epidemiology	<input type="checkbox"/> Surgery
<input type="checkbox"/> Congenital disorder	<input type="checkbox"/> Etiology	<input type="checkbox"/> Therapy
<input type="checkbox"/> Diagnosis	<input type="checkbox"/> Prevention	
<input type="checkbox"/> Disease management	<input type="checkbox"/> Radiotherapy	
<input type="checkbox"/> Drug resistance	<input type="checkbox"/> Rehabilitation	
<input checked="" type="checkbox"/> Drug therapy	<input type="checkbox"/> Side effect	

OR  AND

## <例1>疾患名と副索引を組み合わせて検索②

The screenshot shows a search results page for the query 'rheumatoid arthritis/exp/dm\_dt'. The page includes a search bar, filters, and a list of results. A callout box highlights that hovering over an index term in the results displays its details.

**Results Filters**

- Expand / Collapse all
- Sources
- Drugs
- Diseases
- Devices
- Floating Subheadings
- Age
- Gender
- Study types
- Publication types
- Journal titles
- Publication years
- Authors
- Conference Abstracts
- Drug Trade Names
- Drug Manufacturers
- Device Trade Names
- Device Manufacturers

**Search** Mapping Date Sources Fields Disease subheadings Quick limits EBM Pub. types Languages

**Results Filters**

- Expand / Collapse all
- Apply
- Sources
- Drugs
- Diseases
- Devices
- Floating Subheadings
- Age
- Gender
- Study types
- Publication types
- Journal titles
- Publication years
- Authors
- Conference Abstracts
- Drug Trade Names
- Drug Manufacturers
- Device Trade Names
- Device Manufacturers

**History** Save | Delete | Print view | Export | Email **Combine** using  And  Or

- #2 'rheumatoid arthritis'/exp/dm\_dt
- #1 'rheumatoid arthritis'/exp

50,631 results for search #2 [Set email alert](#) [Set RSS feed](#) [Search details](#) [Index miner](#)

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

Select number of items Selected: 0 (clear)

- 1 Rheumatoid arthritis: Pathological mechanisms and modern  
Guo Q., Wang Y., Xu D., Nossent J., Pavlos N.J., Xu J.  
*Bone Research* 2018 6:1 Article Number 16 Cited by: 0  
Embase [Abstract](#) [Index Terms](#) [View Full Text](#)

**Drug Terms**  
abatacept, anakinra, baricitinib, belimumab, decernotinib, denosumab, disease modifying antirheumatic drug, hydroxychloroquine, interleukin 1, leflunomide, methotrexate, salazosulfapyridine, sirukumab, tocilizumab, tofacitinib, tumor necrosis factor inhibitor

**Disease Terms**  
bone erosion, cartilage injury, humoral immune deficiency, **rheumatoid arthritis**

**Other Terms**  
bone maturation, disease severity, humoral immune deficiency

**Results**

- 2 Expression of IGF-1, IL-17A, and IL-17F in synovial tissue of patients with rheumatoid arthritis  
Abdi E., Najafipour H., Joukar S., et al.  
*Iranian Journal of Immunology* 2018 15:1 Article Number 1 Cited by: 0  
Embase [Abstract](#) [View Full Text](#)
- 3 Towards an arthritis flare-up: The role of the gut microbiome  
Joshi N., Yan J., Levy S., Bhagwat S., et al.  
*Nature Communications* 2018 9:1 Article Number 1 Cited by: 0  
Embase [Abstract](#) [View Full Text](#)
- 4 Tuberculosis mastitis pathogenesis and drug therapy  
Qiao Y., Hayward L.H., Balasubramanian S., et al.  
*Journal of Cellular Biochemistry* 2018 143:1 Article Number 1 Cited by: 0  
Embase [Abstract](#) [View Full Text](#)

**Callout Box:** 検索結果が表示され、Index Term一覧のrheumatoid arthritisにカーソルを合わせると、drug therapyの詳細が表示される

**Index Term Details:**

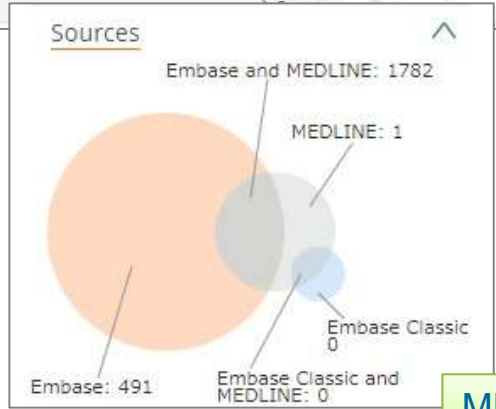
- rheumatoid arthritis (major focus; exploded from 'rheumatoid arthritis')**
- Key Subheadings**
- drug therapy** abatacept, anakinra, baricitinib, belimumab, decernotinib, denosumab, disease modifying antirheumatic drug, hydroxychloroquine, leflunomide, methotrexate, rituximab, salazosulfapyridine, sirukumab, tocilizumab, tofacitinib, tumor necrosis factor inhibitor
- Other Subheadings**
- drug therapy, etiology

# <例1> 疾患名と副索引を組み合わせて検索③

さらにフィルターを使用し、絞り込むことも可能

例1) Drugフィルター: Infliximabのdrug combinationに関する文献に絞り込む  
→ メトトレキサートとのcombination など

例2) Infliximabのdrug comparison  
→ エタネルセプトやアバタセプトなどとの比較文献等



MEDLINEのみの収録は1件のみ

Drug Term	Related Terms
drug combination	methotrexate
drug therapy	ankylosing spondylitis, psoriatic arthritis, rheumatoid arthritis



## ＜例1＞疾患名と副索引を組み合わせて検索④

### 検索結果の掛け合わせ：特定のデータを除外する

例) Infliximabのdrug combinationでメトキサレートに関するものを除外

The screenshot shows a search interface with the following elements:

- Search Bar:** #1 AND 'Infliximab'/drug combination
- Results Filters:** History, #2 #1 AND 'Infliximab'/drug combination, #1 'rheumatoid arthritis'/exp/dm\_dt
- Drugs List:**

<input type="checkbox"/>	Infliximab	Details ▶	2274
<input type="checkbox"/>	methotrexate	Details ▶	2126
<input type="checkbox"/>	etanercept	Details ▶	1536
<input type="checkbox"/>	adalimumab	Details ▶	1247
<input type="checkbox"/>	salazosulfapyridine	Details ▶	815
<input type="checkbox"/>	disease modifying antirheumatic drug	Details ▶	782
<input type="checkbox"/>	leflunomide	Details ▶	710
<input type="checkbox"/>	placebo	Details ▶	684
- Key subheadings:**

<input type="checkbox"/>	adverse drug reaction	979
<input type="checkbox"/>	drug combination	2274
<input type="checkbox"/>	drug comparison	608
<input type="checkbox"/>	drug interaction	83
<input type="checkbox"/>	drug therapy	2237
- Drug combination filter:**

<input type="checkbox"/>	all	
<input checked="" type="checkbox"/>	methotrexate	1170
<input type="checkbox"/>	azathioprine	161
<input type="checkbox"/>	prednisone	85
- Search History:**
  - #3 #1 AND 'Infliximab'/drug combination' AND 'Infliximab'/drug combination/'methotrexate'
  - #2 #1 AND 'Infliximab'/drug combination'
  - #1 'rheumatoid arthritis'/exp/dm\_dt
- Search Query:** #2 NOT #3
- Results:** 1,170 results for search #3

① 前ページの続き (Infliximabのdrug combinationに限定) → History #2に履歴が残っている

② さらに、Drugフィルターの「Infliximab」のDetailから「drug combination」を選択し、今回は「all」のチェックを外して「methotrexate」を選択、Applyでフィルターをかける  
→ History #3に履歴が残る

③ 今回はメトキサレートに関する情報を除外するので、Historyから掛け合わせる

検索式: 「#2 NOT #3」

## <例2> 薬剤のブランド名からの検索①

検索例: 薬剤名(テモダール)に関する文献を検索する

The screenshot shows the Embase Drug Search interface. The search term 'temodar' is entered, and the system suggests 'temodar use: temozolomide'. The 'Embse mapping options' are set to 'Map to preferred term in Emtree' and 'Search also as free text in all fields'. The search results for 'temozolomide' are displayed, with filters for 'Drug subheadings' and 'Routes' applied. The 'Routes' filter is set to 'Oral drug administration'.

① Drug Searchで「temodar」を入力し、Auto suggestで出てきた preferred termの「temozolomide」を選択する

② 条件を設定する:  
 例) 投与ルートは「oral」、副作用に関連し、なおかつテモゾロミドが**Major focus**の文献のみを検索

- Drug subheadings: Adverse drug event
- Routes: Oral drug administration
- Mapping: Limit to terms indexed in article as 'major focus'

The 'Embse mapping options' section includes the following options:

- Map to preferred term in Emtree
- Search also as free text in all fields
- Explode using narrower Emtree terms
- Search as broadly as possible
- Limit to terms indexed in article as 'major focus'

The 'Routes' filter is set to 'Oral drug administration'.



## <例2> 薬剤のブランド名からの検索②

516 results for search #5 [Set email alert](#) [Set RSS feed](#) [Search details](#) [Index miner](#)

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

Select number of items:  Selected: 0 (clear)

1 Quality of life and efficacy of temozolomide combined with whole-brain radiotherapy in patients with brain m...  
 Lv Y., Zhang J., Liu Z., Liang N., Tian Y.  
*Molecular and Clinical Oncology* 2018 9:1 (70-74)  
[Embase](#) | [Abstract](#) | [Index Terms](#) | [View Full Text](#)

**Drug Terms**  
 placebo, platinum, **temozolomide**

**temozolomide (major focus)**

<b>Key Subheadings</b>	
<b>adverse drug reaction</b>	anemia, headache, neutropenia, thrombocytopenia, vertigo, vomiting
<b>drug comparison - placebo</b>	placebo
<b>drug therapy</b>	non small cell lung cancer

**Other Subheadings**  
 oral drug administration

**Disease Terms**  
 anorexia, dyspnea, fatigue, glioma, headache, hypertension, insomnia, leukopenia, nausea, nausea and vomiting, pain, thrombocytopenia

**Other Terms**  
 adult, aged, article, cancer patient, cancer survival, clinical article, cognition, continuous infusion, drug tolerability, female, global health, progression free survival, quality of life, quality of life index, questionnaire, retrospective study, salvage therapy, treatment response

3 The search for a melanoma-tailored chemotherapy in the new era of personalized therapy: A phase II study of GOIM (Gruppo Oncologico Italia Meridionale)  
 Guida M., Tommasi S., Strippoli S., Natalicchio M.J., De Summa S., Pinto R., Cramarossa A., Albano A., Pisconti S., Aieta M., Ridolfi R., Azzariti A.,...

**Age**

<input type="checkbox"/> Embryo	0
<input type="checkbox"/> Fetus	0
<input type="checkbox"/> Newborn	1
<input type="checkbox"/> Infant	7
<input type="checkbox"/> Child (1-12)	58
<input type="checkbox"/> Preschool child (1-6)	22
<input type="checkbox"/> School child (7-12)	24
<input type="checkbox"/> Adolescent	57
<input type="checkbox"/> Young adult	7

[Export](#)

**Gender**

**Study types**

<input type="checkbox"/> human	516
<input type="checkbox"/> clinical article	254
<input type="checkbox"/> clinical trial	203
<input type="checkbox"/> controlled study	191
<input type="checkbox"/> phase 2 clinical trial	163
<input type="checkbox"/> major clinical study	129
<input type="checkbox"/> controlled clinical trial	86

検索内容に合致した結果が表示される  
 フィルターで絞り込むことも可能

フィルターの内容一覧をExportすることも可能

# <例3> Drug Trade Nameによる絞り込み

検索例: テモゾロミドで検索し、ブランド名(テモダール)で絞り込む

The screenshot shows the Emtree search interface. On the left, the 'Query Builder' section has 'temozolomide' entered in the search box. Below it, the 'Browse Emtree' tree is visible, with 'temozolomide' selected and highlighted in a red box, showing '20,555 Records'. An orange arrow points from this box to the 'Drug Trade Names' filter in the right-hand sidebar. In the sidebar, 'temodar' is selected under 'Drug Trade Names', also highlighted in a red box. The main results area shows a list of search results, with the first result selected. Below the results, an 'Additional Information' table is displayed, with 'Drug Tradenames' highlighted in a red box, showing 'temodar'.

**Query Builder**  
 Build a multi-term search query  
 Find Term **Browse by Facet**  
 Type word or phrase (without quotes)  
 temozolomide  
 For term: 'temozolomide'  
 Extend your search:  Explode  As major focus

**Browse Emtree**  
 chemicals and drugs  
 antineoplastic agent  
 alkylating agent  
**temozolomide** 20,555 Records

**Drug Trade Names**  
 avastin 469  
 temodar 407  
 temodal 317  
 gleevec 231  
 gliadel 228  
 cpt.11  
 lressa  
 tarceva  
 rad.001

**Additional Information**  
 Embase identification number (PUI) L620796346  
 Abbreviated Journal Title J. Neuro-Oncol.  
 ISSN 15737373 (electronic), 0167594X  
 CODEN JNODD  
 Source Type Journal  
 Source Publication Date 2018-06-01  
 Entry Date 2018-05-25 (Full record), 2018-02-27 (Article in Press/In process)  
 Publication Type Article  
 Page Range 359-367  
 Country of Author Germany  
 Country of Source United States  
 Language of Article English  
 Language of Summary English  
 Digital object identifier (DOI) 10.1007/s11060-018-2804-x  
 Embase Accession Number 20180128203  
 Number of References 36  
 Cited by in Scopus 2  
**Drug Tradenames temodar**  
 CAS Registry Numbers temozolomide (85622-93-1)

# <例4> PubMedとの比較: テモダール

The screenshot shows a PubMed search for 'temodar'. The search results page displays 21,235 results. An orange callout box highlights the search results: PubMed has 6,244 items, Embase (Quick Search) has 21,235 items, and the difference is 14,991 items. A Venn diagram in the bottom left corner shows the overlap between Embase and MEDLINE. The total number of unique results from both sources is 11,706. Embase has 9,143 unique results, MEDLINE has 386 unique results, and they share 2,177 results. Embase Classic has 0 results, and Embase Classic and MEDLINE also have 0 results.

**PubMedでは6,244件  
Embase (Quick Search) では  
21,235件のヒット**

**差分: 14,991件**

**\* Embase検索によるMEDLINEからのヒット数: 12,092**

## <例5> 副作用名から薬剤を検索①

### 検索例: Skin Irritationの副作用を示す薬剤の検索

Disease Search

'skin irritation'

Search > Mapping Date Sources Fields Disease subheadings Quick limits EBM Pub. types Languages Search tips

Disease subheadings Clear page selections Collapse

- Complication
- Congenital disorder
- Diagnosis
- Disease management
- Drug resistance
- Drug therapy
- Epidemiology
- Etiology
- Prevention
- Radiotherapy
- Rehabilitation
- Side effect
- Surgery
- Therapy

OR  AND

Disease検索でskin irritationが副作用として索引されているものを検索

Sources 4,056 results for search #9 | Show all abstracts

Drugs

- corticosteroid Details ▶ 614
- retinoic acid Details ▶ 489
- retinoid Details ▶ 392
- unindexed drug 381
- calcipotriol Details ▶ 362
- tazarotene Details ▶ 359
- salicylic acid Details ▶ 301
- tacrolimus Details ▶ 265
- benzoyl peroxide Details ▶ 257

Click on 'Apply' to apply your selection

> Export

Diseases

Devices

Floating Subheadings

Age

Gender

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

Select number of items Selected: 0 (clear)

1 Solid lipid microparticles for enhanced dermal delivery of tetracycline HCl  
Rahimpour Y., Javadzadeh Y., Hamishehkar H.  
*Colloids and Surfaces B: Biointerfaces* 2016 145 (14-20)  
Embase Abstract Index Terms View Full Text

Drug Terms cellulose acetate, drug carrier, solid lipid nanoparticle, tetracycline

Disease Terms acne, eczema, skin irritation

Other Terms animal experiment, article, contr mouse, nonhuman, particle size

2 Efficacy and short  
Jabbari M., Hashempur  
*Journal of Ethnopharma*  
Embase Abstract

Drug Terms antiinflammatory agent, diclofen

Disease Terms absence of side effects, knee osteoarthritis, skin irritation

Drugフィルターでは、薬剤名が検索結果中のいくつかの論文にindexされているかを表示  
表示された薬剤名と「Apply」をクリックするとその薬剤に関する論文だけに絞り込みができる



## <例6>一般的な用語による検索(Natural Knee)①

### 検索例: Natural Knee (Zimmer社) の検索

- まずはQuick Searchで「natural knee」を検索

The screenshot shows the Embase search interface. The search term 'natural knee' is entered in the 'Quick search' field and is highlighted with an orange border. Below the search field, there are two rows of search criteria: 'Author name' and 'Journal name', each with an 'AND' dropdown and a search input field. The 'Author name' field contains 'e.g. watson j' and the 'Journal name' field contains 'e.g. american heart'. At the bottom, there are buttons for '+ Add search field' and 'Reset form'.

Embase®

Search

Quick search

'natural knee'

AND

Author name

e.g. watson j

AND

Journal name

e.g. american heart

+ Add search field

Reset form

この検索で探している  
「Natural Knee」は商品名。

しかし「Natural」も「Knee」も  
一般的に使われる表現、、、

## <例6>一般的な用語による検索(Natural Knee)②

- 検索結果を見てみると・・・

The screenshot shows the Embase search interface. The search term is 'natural knee'. The results page displays 185 results. Two results are visible:

- Result 1:** Joint Mechanics After Total Knee Arthroplasty While Descending Stairs. Fenner V.U., Behrend H., Kuster M.S. *Journal of Arthroplasty* 2017 32:2 (575-580). The term 'natural knee' is highlighted in the abstract.
- Result 2:** Higher Frequency of Reoperation With a New Bicruciate-retaining Total Knee Arthroplasty. Christensen J.C., Brothers J., Stoddard G.J., Anderson M.B., Pelt C.E., Gilliland J.M., Peters C.L. *Clinical Orthopaedics and Related Research* 2017 475:1 (62-69). The term 'natural knee' is highlighted in the abstract.

Annotations on the screenshot:

- A green box at the top right states: "185件のヒット Quick Searchで検索しているためすべてが検索対象となる" (185 hits, all search targets because Quick Search was used).
- An orange arrow points to the highlighted 'natural knee' term in the first result's abstract.
- Another orange arrow points to the highlighted 'natural knee' term in the second result's abstract.
- A green box at the bottom states: "Natural Kneeがヒットしているが、探しているデバイスの商品名ではないものも含まれている" (Natural Knee is a hit, but items that are not the device name being searched for are also included).

## <例6>一般的な用語による検索(Natural Knee)③

- 同様にPubMedを検索してみると...

The screenshot shows the PubMed search interface. The search bar contains the text "Natural knee". The search results are displayed on page 1 of 7, showing 121 items. The first two results are visible:

- [The description of the human knee as four-bar linkage.](#)  
1. Dathe H, Gezzi R, Fiedler C, Kubein-Meesenburg D, Nägerl H.  
Acta Bioeng Biomech. 2016;18(4):107-115.  
PMID: 28133380  
[Similar articles](#)
- [Retrospective study of asymmetric vs symmetric tibial plates and ultracongruent vs posterior stabilized I...](#)  
2. Singh AD.  
J Clin Ortho...

Two callout boxes provide additional information:

- A green box at the top right states: "検索結果は121件 Embaseよりヒット数は少ない" (Search results are 121 items, fewer hits than Embase).
- A green box at the bottom right states: "Embase同様Natural Kneeがヒットしているが 探しているデバイスの商品名ではないものが含まれている" (Like Embase, Natural Knee is hit, but items that are not the device name being searched for are included).



## <例6>一般的な用語による検索(Natural Knee)④

- そこでEmbaseのDevice Searchで検索してみると・・・

The screenshot displays the Embase Device Search interface. At the top left is the Embase logo. To the right are navigation links: Search, Browse, Results, and My tools. The main heading is "Device Search". Below this is a search input field containing the text "'natural knee':dn", which is highlighted with an orange border. To the right of the input field is a green callout box with the text: "Device Searchでは Medical Deviceの商品名で検索が可能". Below the input field is a "Search >" button and a series of tabs: Mapping, Date, Sources, Device fields (which is selected and highlighted with an orange underline), and Device subheadings. Under the "Device fields" tab, the text "Device fields: manufacturers and trade names" is displayed. Below this, there are two columns of search options. The left column is titled "Device manufacturers:" and contains two options: "- Phrase search :df" and "- Exact search /df". The right column is titled "Device trade names:" and contains three options: "- Phrase search :dn", "- Exact search /dn", and "- Mapped to Entree /de". An orange arrow points to the "Device trade names:" heading.

## <例6>一般的な用語による検索(Natural Knee)⑤

- Trade Nameが「Natural Knee」の文献が60件ヒット

**Embase®** Search ▾ Browse ▾ Results My tools ▾ 言語を選択

'natural knee':dn

Search ▾ Mapping ▾ Date ▾ Sources ▾ Device fields ▾ Device subheadings ▾ Quick limits ▾ EBM ▾ Pub. types ▾ Languages ▾

**Results Filters**  
 + Expand - Collapse all Apply ▾

Sources ▾  
 Drugs ▾  
 Diseases ▾  
 Devices ▾  
 Floating Subheadings ▾  
 Age ▾  
 Gender ▾  
 Study types ▾  
 Publication types ▾  
 Journal titles ▾  
 Publication years ▾  
 Authors ▾  
 Conference Abstracts ▾  
 Drug Trade Names ▾  
 Drug Manufacturers ▾  
 Device Trade Names ▾  
 Device Manufacturers ▾

**History** Save | Delete | Print view | Export | Email Combine ▾ using  And  Or

#2 'natural knee':dn  
 #1 'natural knee'

60 results for search #2 [Set email alert](#) [Set RSS feed](#) [Search details](#)

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

Select number of items ▾ Selected: 0 (clear)

1 Retrospective study of asymmetric vs symmetric tibial plates and ultracongruent vs posterior stabilized inserts in Indian population: An Indian experien  
 Singh A.D.  
*Journal of Clinical Orthopaedics and Trauma* 2016 7 Supplement 2 (184-190)  
 Embase [Abstract](#) [Index Terms](#) [View Full Text](#)

Background Results of asymmetric tibial base plates vs symmetric tibial base plates and ultracongruent insert vs posterior stabilized insert in Indian females) between 2007–2011 were included. Natural Knee II (21 models) were compared with 26 models of other knees (12 PFC-Sigma, one PFC-RP flexion deformity of 18° (range 15–20°) as compared to 5.8° (range 5–8°) in other knees with PS insert (P < 0.001, confidence limit of 24.2–0.1). After score of 96 (P < 0.001, confidence limit of 17.9–0.1) in the non-NK II patients because of greater points deductions due to the creation of greater me portions of peripheral lateral tibial plateau uncovered by implant; decreasing the implant bone surface area ratio of Knee Society Radiographic Ass asymmetric tibial base plates provide greater bone coverage in Indian (ethnic Punjabi) population when no implant overhang is accepted. Further use of NK I © 2016

2 Low-contact-stress knee arthroplasty: Past history or ahead of time?  
 Zürcher A.W., Stiehl J.B., Pöll R.G.  
*Orthopaedics* 2016 39:3 (e402-e412)  
 Embase [Abstract](#) [Index Terms](#) [View Full Text](#)

Low-contact-stress mobile-bearing (MB) total knee arthroplasty (TKA) can rely on a long history. Its concept comprises a combination of high condy-lar congru available, and critical points have been raised about the benefit of MB in general. Although there is kinematic and kinetic support for the low-contact-stress c be controlled for differences in polyethylene quality and need to provide a measure of condylar congruency to differentiate authentic low-contact-stress vari Copyright © SLACK Incorporated.

3 Which Tibial Tray Design Achieves Maximum Coverage and Ideal Rotation: Anatomic, Symmetric, or Asymmetr  
 Stulberg S.D., Goyal N.  
*Journal of Arthroplasty* 2015 30:10 (1839-1841)  
 Embase MEDLINE [Abstract](#) [Index Terms](#) [View Full Text](#)

**Titles or summaries contain 'Natural Knee' and are not hit**

**Embase only information is also recorded**

**Sources**  
 Embase and MEDLINE: 51

Embase: 9 MEDLINE: 0

## <例6>一般的な用語による検索(Natural Knee)⑥

- 最初レコードの詳細を見てみると・・・

この文献は PubMed収録対象外

**Abstract**

Background Results of asymmetric tibial base plates vs symmetric tibial base plates (NK II (21 models) were compared with 26 models of other knees (12 confidence limit of 24.2-0.1). After 3 months NK II patients had a When NO implant overhang is accepted on medial side, asymmetric base plates. Conclusion Symmetric and not asymmetric tibial base plates. © 2016

**Disease Terms**  
posterior stabilized Insert, ultracongruent Insert

**Device Terms**  
knee prosthesis %

**Other Terms**  
adult % , aged % , article % , clinical article % , controlled study %

**Author Keywords**  
Asymmetric tibial base plate, Flexion deformity, Natural Knee II, ...

**Author Address**  
Singh A.D. : IVY Hospital Ram Colony Camp, Chandigarh Road

Additional Information	
Embase identification number (PU)	L613419036
Abbreviated Journal Title	J. Clin. Orthop. Traum.
ISSN	22133445 (electronic), 09765662
Source Type	Journal
Source Publication Date	2016-10-01
Entry Date	2017-01-23 (Full record), 2016-11-30 (Article in Press/In process)
Publication Type	Article
Page Range	184-190
Country of Source	Netherlands
Language of Article	English
Language of Summary	English
Publisher Item Identifier	S0976566216301527
Digital object identifier (DOI)	10.1016/j.jcot.2016.07.005
Embase Accession Number	20160864947
Number of References	24
Cited by in Scopus	
Device Tradenames	Natural Knee II (Zimmer, United States), Nexgen, PFC RPF, PFC Sigma, Vanguard
Device Manufacturers	Zimmer (United States)

Device Tradenamesのフィールドに「Natural Knee」が記載されている

## <例6>一般的な用語による検索(Natural Knee)⑦

- EmbaseとMEDLINE両方に収録されている記録を見てみると...

3 Which Tibial Tray Design Achieves Maximum Coverage and Ideal  
 Stulberg S.D., Goyal M.  
*Journal of Arthroplasty* 2015 30:10 (1839-1841)

Embase MEDLINE Abstract Index Terms View Full Text

Two goals of tibial tray placement in TKA are to maximize coverage and establish proper rotation. rotation. MR images for 100 consecutive knees were uploaded into PSI software. Preoperative plan However, the anatomic compared to symmetric/asymmetric trays required less malrotation (0.3° v coverage and rotation.

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ISSN	15328406 (electronic), 08835403
CODEN	JOARE
Source Type	Journal
Source Publication Date	2015-10-01
Entry Date	2015-09-29 (Full record), 2015-05-14 (Article in Press/In process)
Publication Type	Article
Page Range	1839-1841
Country of Author	United States
Country of Source	United States
Language of Article	English
Language of Summary	English
Publisher Item Identifier	5088354031500323X
Digital object identifier (DOI)	10.1016/j.arth.2015.04.033
MEDLINE PMID	<a href="#">25976595</a>
Embase Accession Number	2015028049
Number of References	13
Cited by In Scopus	
Device Tradenames	Adobe Photoshop, <b>Natural-Knee II</b> (Zimmer, United States), NexGen CR (Zimmer, United States), Persona CR (Zimmer, United States)
Device Manufacturers	Zimmer (United States)

Device Tradenamesのフィールドで「Natural Knee」がヒットしている



## <例6>一般的な用語による検索(Natural Knee)⑧

- 同じ文献をPubMedで見ると・・・

Publisher Item Identifier	5088354031500323X
Digital object identifier (DOI)	10.1016/j.arth.2015.04.033
MEDLINE PMID	25976595
Embase Accession Number	2015028049
Number of References	13
Cited by in Scopus	
Device Tradenames	Adobe Photoshop, Natural-Knee II
Device Manufacturers	Zimmer (United States)

PubMedへのリンク

NCBI Resources How To

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

PubMed Advanced

Format: Abstract

[J Arthroplasty](#). 2015 Oct;30(10):1839-41. doi: 10.1016/j.arth.2015.04.033. Epub 2015 May 5.

**Which Tibial Tray Design Achieves Maximum Coverage and Ideal Rotation: Anatomic, Symmetric, or Asymmetric? An MRI-based study.**

[Stulberg SD](#)<sup>1</sup>, [Goyal N](#)<sup>2</sup>.

Author information

**Abstract**

Two goals of tibial tray placement in TKA are to maximize coverage and establish proper rotation. Our purpose was to utilize MRI information obtained as part of PSI planning to determine the impact of tibial tray design on the relationship between coverage and rotation. MR images for 100 consecutive knees were uploaded into PSI software. Preoperative planning software was used to evaluate 3 different tray designs: anatomic, symmetric, and asymmetric. Approximately equally good coverage was achieved with all three trays. However, the anatomic compared to symmetric/asymmetric trays required less malrotation (0.3° vs 3.0/2.4°; P < 0.001), with a higher proportion of cases within 5° of neutral (97% vs 73/77%; P < 0.001). In this study, the anatomic tibia optimized the relationship between coverage and rotation.

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**KEYWORDS:** coverage; implant design; rotation; tibial tray; total knee arthroplasty

PMID: 25976595 DOI: [10.1016/j.arth.2015.04.033](#)  
[PubMed - indexed for MEDLINE]

どこにも「Natural Knee」の  
記載なし

## <例6>一般的な用語による検索(Natural Knee)⑨

- PubMedの「Natural Knee」の検索結果で確認してみても、、、

[The description of the human knee as four-bar linkage.](#)  
15. Dathe H, Gezzi R, Fiedler C, Kubein-Meesenburg D, Nägerl H.  
Acta Bioeng Biomech. 2016;18(4):107-115.  
PMID: 28133380  
[Similar articles](#)

[Patient-specific implants with custom cutting blocks better approximate natural knee kinematics than standard TKA without custom cutting blocks.](#)  
16. Patil S, Bunn A, Bugbee WD, Colwell CW Jr, D'Lima DD.  
Knee. 2015 Dec;22(6):624-9.  
PMID: 27092379  
[Similar articles](#)

[Fluoroscopic motion study confirming the stability of a medial pivot design total knee arthroplasty.](#)  
17. Shimmin A, Martinez-Martos S, Owens J, Iorgulescu AD, Banks S.  
Knee. 2015 Dec;22(6):522-6. doi: 10.1016/j.knee.2014.11.011.  
PMID: 25999125  
[Similar articles](#)

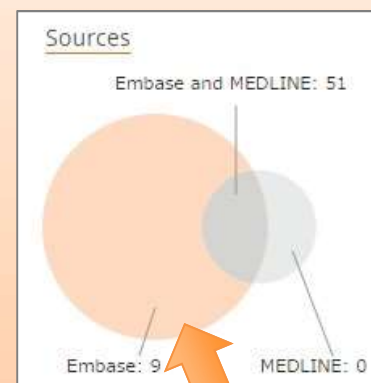
[Medial unicondylar knee arthroplasty: technical pearls.](#)  
18. Boniforti F.  
Joints. 2015 Nov 3;3(2):82-4. doi: 10.11138/jts/2015.3.2.082.  
PMID: 26605256 **Free PMC Article**  
[Similar articles](#)

[Tribology studies of the natural knee using an animal model in a new whole joint natural knee simulator.](#)  
19. Liu A, Jennings LM, Ingham E, Fisher J.  
J Biomech. 2015 Sep 18;48(12):3004-11. doi: 10.1016/j.jbiomech.2015.07.043.  
PMID: 26300400 **Free Article**  
[Similar articles](#)

[Correction of static axial alignment in children with knee varus or valgus deformities through guided growth: Does it also correct dynamic frontal plane moments during walking?](#)  
20. Böhm H, Stief F, Sander K, Hösl M, Döderlein L.  
Gait Posture. 2015 Sep;42(3):394-7. doi: 10.1016/j.gaitpost.2015.06.186.  
PMID: 26159802  
[Similar articles](#)

同じ文献はヒットしていない

\*Publication Dateで検索結果をソート済み



先ほどのEmbaseでの検索結果の「Embaseのみに収録されている文献」以外にも検索の「漏れ」があることがわかる

## <例7> 製造会社名 (Zimmer社)での検索①

- Device Searchで「Zimmer」を検索

The screenshot shows the Embase Device Search interface. At the top left is the Embase logo. To the right are navigation links: Search, Browse, Results, and My tools. The main heading is "Device Search". Below this is a search input field containing "Zimmer:df", which is highlighted with an orange box. To the right of the input field is a green callout box with the text: "Zimmerを「Device manufacturers」に指定して Phrase searchで検索". Below the input field is a "Search" button with a right-pointing arrow. To the right of the button are several dropdown menus: Mapping, Date, Sources, Device fields (which is expanded to show "manufacturers and trade names"), and Device subheadings. Below the search bar, the text "Device fields: manufacturers and trade names" is displayed. Underneath, there are two columns of search options. The left column is titled "Device manufacturers:" and contains two options: "- Phrase search /df" and "- Exact search /df". An orange arrow points to the "Phrase search /df" option. The right column is titled "Device trade names:" and contains three options: "- Phrase search /dn", "- Exact search /dn", and "- Mapped to Emtree /de".



## <例7> 製造会社名 (Zimmer社) での検索②

- 検索結果を見てみると・・・

The screenshot shows the Embase search interface. The search term is "zimmer:df". The search results page displays 2,817 results for search #1. The interface includes a search bar, navigation tabs (Search, Mapping, Date, Sources, Device fields, Device subheadings, Quick limits, EBM, Pub. types, Languages), and a "Results Filters" section. The "Sources" filter is expanded, showing a Venn diagram with the following data:

Database	Count
Embase	638
MEDLINE	4
Embase and MEDLINE (Intersection)	2175

An orange arrow points to the intersection area of the Venn diagram. A callout box contains the following text:

検索結果の20%以上がPubMed未収録。PubMedでは会社名での検索フィールドがないため、結果の中に著者名が「Zimmer」のものなど、全く関連のない文献が含まれてしまう可能性がある

The search results list includes the following entries:

- 1 The effect of phosphoric and phosphonic acid primers on bone cement bond strength  
Jakubowitz E., Liehn L., Jahnke A., Wöstmann B., Rickert M., Niem T.  
*Journal of the Mechanical Behavior of Biomedical Materials* 2017 69 (57-65)  
Embase Abstract Index Terms View Full Text
- 2 An Improved Tibial Force Sensor to Compute Contact Forces and Contact Locations in Total Knee  
Roth J.D., Howell S.M., Hull M.L.  
*Journal of Biomechanical Engineering* 2017 139:4 Article Number 041001  
Embase Abstract Index Terms View Full Text

## <例7> 製造会社名 (Zimmer社) での検索③

- 検索結果を副作用情報だけに絞り込みたい

The screenshot shows the Embase search results page for a search of 'Zimmer'. The interface includes a search bar, navigation tabs (Search, Browse, Results, My tools), and a language selection dropdown. The search results are displayed in a list format, with a 'Results' tab selected. The 'Devices' filter is expanded, showing a list of device categories with their respective counts. The 'adverse device effect' subheading is selected, and a callout box highlights this selection.

**Deviceのフィルターで「adverse device effect」を選択し絞り込むことが可能副作用情報に容易に到達**



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