

آشنایی با پایگاه داده Embase

فاطمہ صادقی غیاثی دکترای مدیریت اطلاعات سلامت ghyassi2722@yahoo.com

Introduction

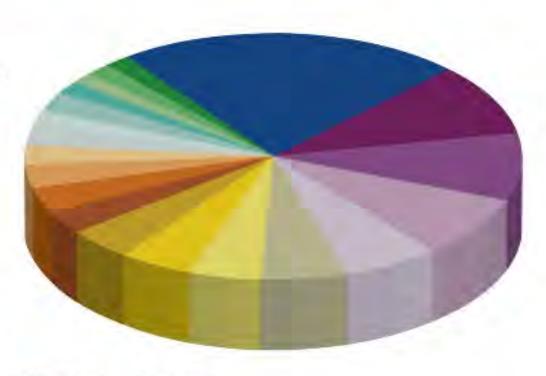
- Biomedical research database
- Comprehensive, up-to-date and evidence-based content that is deeply indexed for ease of discovery
- deep biomedical indexing and search forms to assist in building comprehensive search strategies
- International biomedical literature **from 1947** to the present

Introduction

- Over 37.2 million records, including MEDLINE titles
- Over 8,200 journals from over 95 countries, including MEDLINE titles
- Over 2,900 indexed journals unique to Embase
- Over 3.6 million conference abstracts indexed from more than 7,000 conferences dating from 2009
- **8 recommendations** by international organizations & regulatory authorities

Embase focuses on biomedical literature in key areas for disease, drug and medical device research

- Pharmacology & Toxicology 12%
- General Clinical Medicine 11%
- Genetics, Biochemistry & Molecular Biology 10%
- Neurology & Behavioral Medicine 8%
- Microbiology & Infectious Disease 7%
- Cardiology & Hematology 6%
- Psychiatry & Mental Health 6%
- Oncology 5%
- Healthcare Policy & Management 4%
- Allergy & Immunology 4%
- Pediatrics 4%
- Endocrinology & Metabolism 3%
- Obstetrics & Gynecology 3%
- Biomedical Engineering & Medical Devices 3%
- Anesthesiology & Intensive Care 3%
- Gastroenterology 2%
- Respiratory Medicine 2%
- Nephrology & Urology 2%
- Dermatology 2%



Other topics 28%
Including public health, basic biomedical science and topics included from MEDLINE

Introduction

- Retrieve all the information for <u>high-quality systematic reviews</u>
- Guide the decision-making process (PICO search)
- Includes unique non-English content

Features

- Full-text indexing of:
 - ✓ drug
 - ✓ disease
 - ✓ medical device data
- Embase delivers <u>immediate access</u> to a range of intuitive search tools that help them find exact answers to their research questions quickly and easily

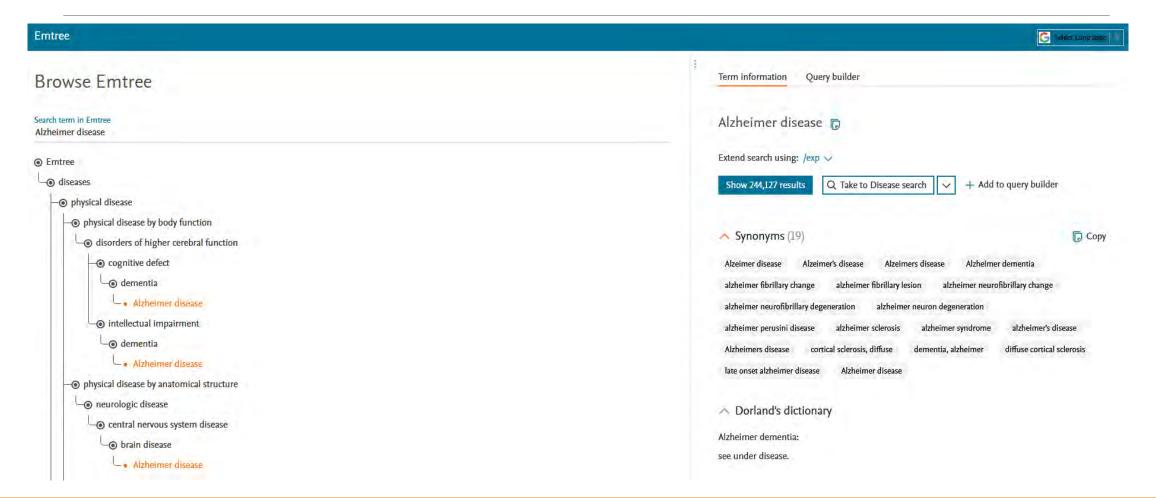
Emtree

Thesaurus

Emtree

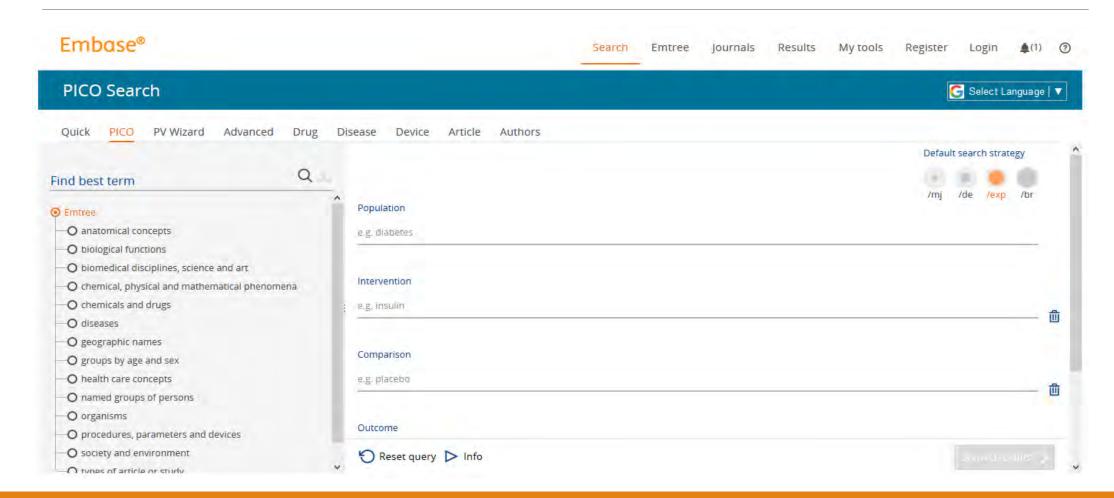
- Emtree is a powerful resource for building systematic review searches.
- Applying index terms found by browsing Emtree to identify the preferred term, along with any synonyms to add to the search, ensures that results will be as comprehensive as possible

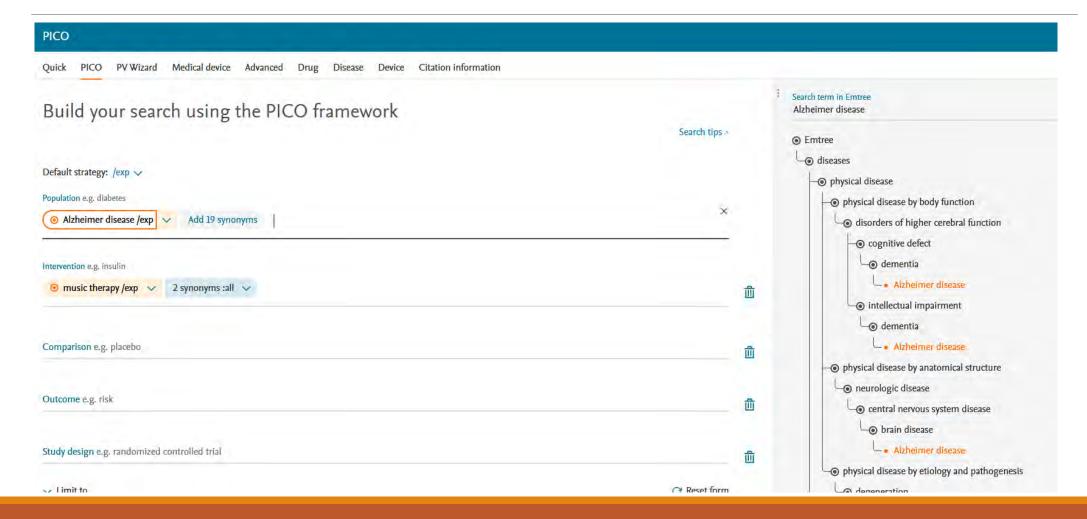
Emtree



The PICO process is a method of putting together a search strategy that enables a more
 evidence-based approach to literature searching

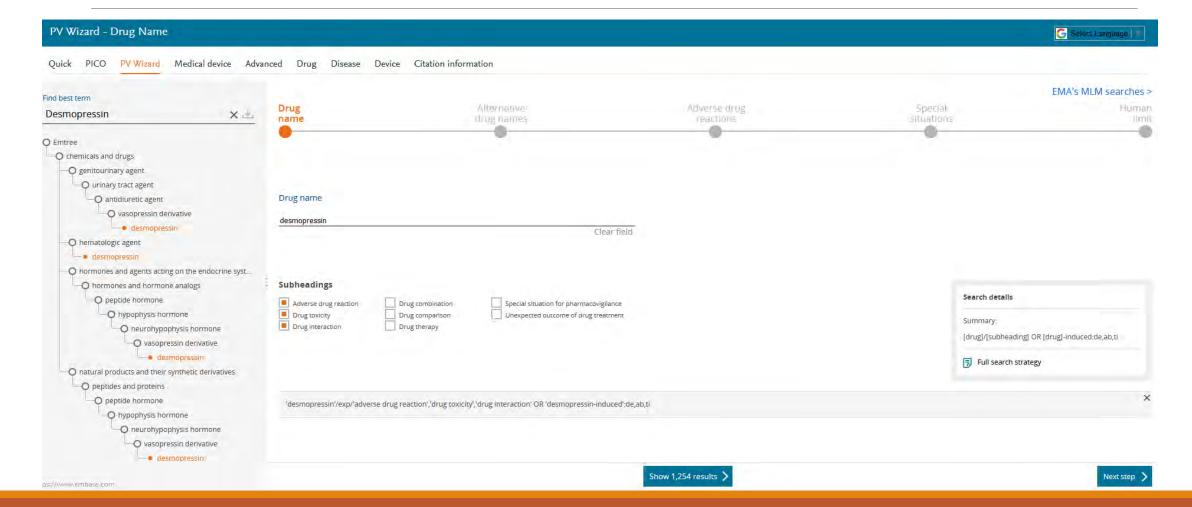
Emtree terms and their **synonyms** can be easily applied to the query

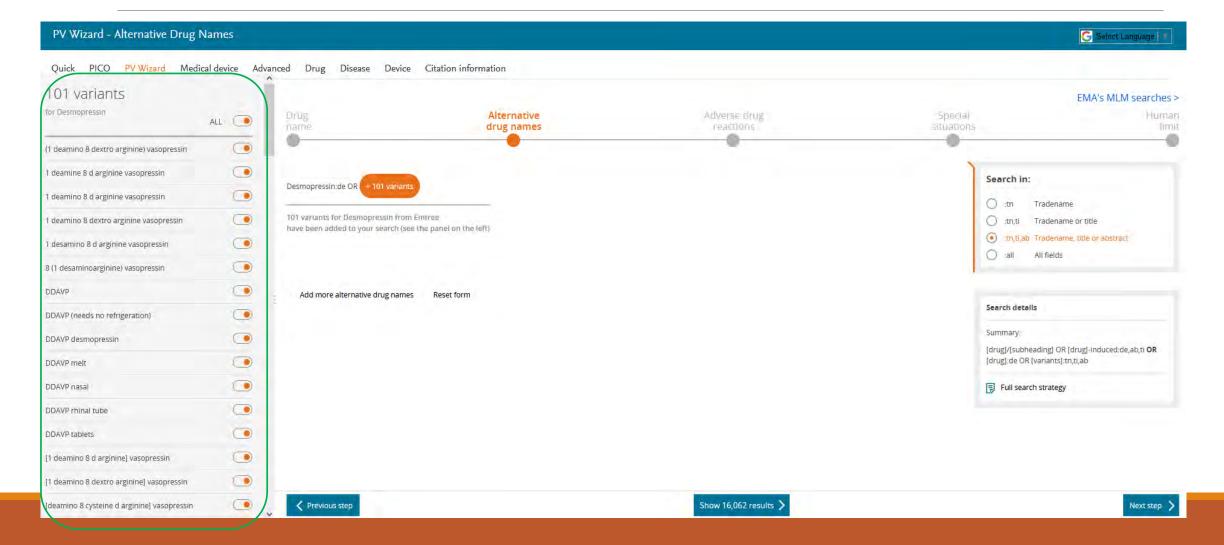


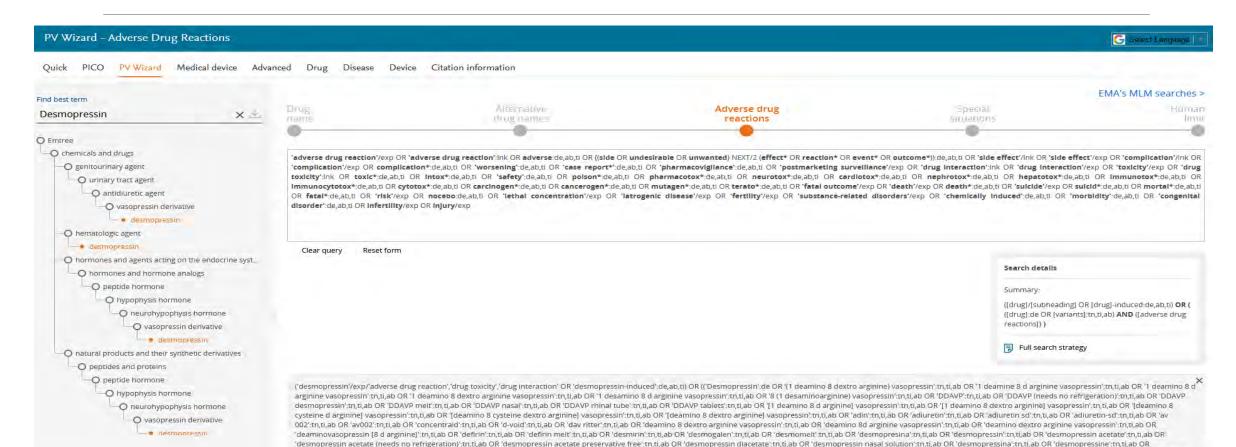


- Query Builder for Pharmacovigilance
- •an easy-to-use query builder that contains a pre-coded PV search strategy constructed in consultation with pharma industry partners

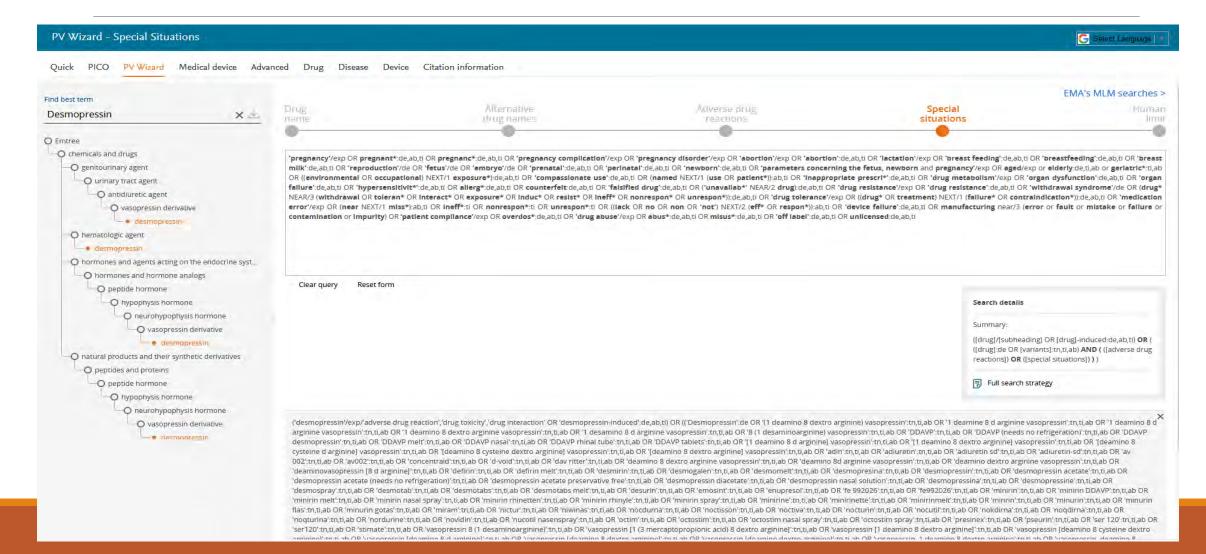
- Includes 5 key elements
 - ✓ Drug name
 - ✓ Alternative drug names
 - ✓ Adverse drug reactions
 - ✓ Special conditions
 - ✓ Human limits

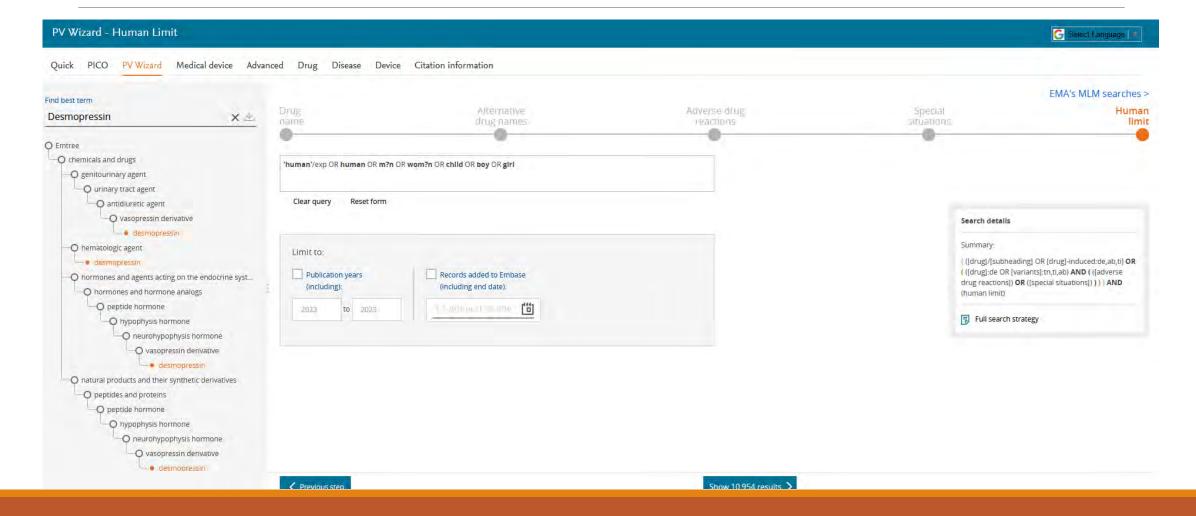






'desmospray':th,ti,ab OR 'desmotabs':th,ti,ab OR 'desmotabs':th,ti,ab OR 'desmotabs melt':th,ti,ab OR 'desmotabs melt':th,ti,ab OR 'enupresol':th,ti,ab OR 'fe992026':th,ti,ab OR 'minirin':th,ti,ab OR 'mocturin':th,ti,ab OR 'wasopressin [deamino 8 dextro arginine]:th,ti,ab OR 'waso



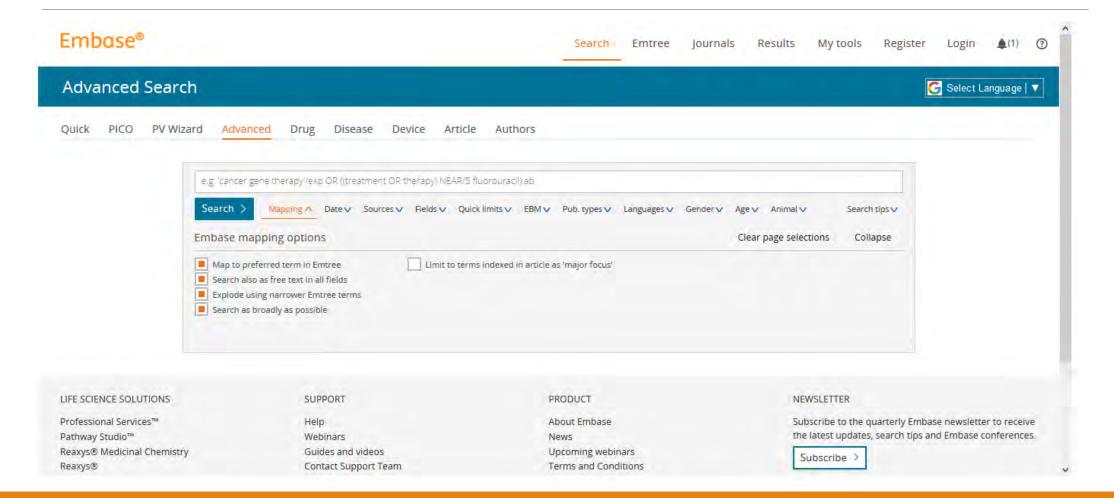


PV Wizard –Search results

Results Filters		History Save Delete Print view Export Email Combine > using ● And ○ Or	^ Collapse
+ Expand — Collapse all	Apply >	('desmopressin'/exp/'adverse drug reaction', 'drug toxicity', 'drug interaction' OR 'desmopressin-induced'.de,ab,ti OR (('desmopressin'.td,ti,ab OR '1 deamino 8 dextro arginine) vasopressin'.th,ti,ab OR '1 deamino 8 dextro arginine vasopressin'.th,ti,ab OR '1 deamino 8 dextro arginine vasopressin'.th,ti,ab OR '1 deamino 8 dextro arginine vasopressin'.th,ti,ab OR '1 deamino 8 dextro arginine) vasopressin'.th,ti,ab OR '1 deamino 8 dextro arginine vasopressi	10,954
Sources	~	d arginine] vasopressin'th,ti,ab OR "[deamino 8 cysteine dextro arginine] vasopressin'th,ti,ab OR "adin'th,ti,ab OR "adin'th,ti,ab OR "adiuretin sd'th,ti,ab OR 'adiuretin sd'th,ti,ab OR 'adiuretin sd'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine vasopressin'th,ti,ab OR 'deamino 8 dextro arginine] vasopressin'th,ti,ab OR 'deamino 8 dextro arginin	
Drugs	~	refrigeration)'.tn,ti,ab OR 'desmopressin acetate preservative free'.tn,ti,ab OR 'desmopressin diacetate'.tn,ti,ab OR 'desmopressin nasal solution'.tn,ti,ab OR 'desmopressina'.tn,ti,ab OR 'desmopressine'.tn,ti,ab OR 'desmopressine'.tn,ti,ab OR 'desmopressine'.tn,ti,ab OR 'desmopressina'.tn,ti,ab OR 'desmopres	
Diseases	~	nasal spray 'th,tjab OR 'minirin rhinetten'th,tjab OR 'minirin rhinyle' th,tjab OR 'minirin spray 'th,tjab OR 'minirine' th,tjab OR 'minirinetth,tjab OR 'minirinetth',th,tjab OR 'minirin' th,tjab OR 'minirin' flas' th,tjab OR 'noturin' th,t	
Devices	~	'vasopressin 8 (1 desaminoarginine)':tn,ti,ab OR 'vasopressin [1 (3 mercaptopropionic acid) 8 dextro arginine]':tn,ti,ab OR 'vasopressin [1 (aeamino 8 dextro arginin	
Floating Subheadings	V	'wetirin':tn,ti,ab) AND ('adverse drug reaction'/exp OR 'adverse drug reaction':lnk OR adverse:de,ab,ti OR (((side OR undesirable OR unwanted) NEXT/2 (effect* OR reaction* OR event* OR outcome*)):de,ab,ti OR 'side effect'/lnk OR 'side effect'/exp OR 'complication'/exp OR complication'/exp OR 'drug interaction'/exp OR 'toxicity'/exp OR 'drug interaction'/exp OR 'drug interaction'/exp OR 'drug interaction'/exp OR 'toxicity'/exp OR 'drug interaction'/exp OR 'drug	
Age	V	'drug toxicity'-ink OR toxici-de, ab,ti OR intoxi-de, ab,ti OR poison-'de, ab,ti OR poison-'de, ab,ti OR phranacotox'-de, ab,ti OR neurotox'-de, ab,ti OR cardiotox'-de, ab,ti OR hepartotox'-de, ab,ti OR immunotox'-de, ab,ti OR immunocytotox'-de, ab,ti OR cardiotox'-de, ab,ti OR cardiotox'-de, ab,ti OR cardiotox'-de, ab,ti OR cardiotox'-de, ab,ti OR munocytox'-de, ab,ti OR fatal'-de, ab,ti OR fatal'-de, ab,ti OR fatal'-de, ab,ti OR fatal'-de, ab,ti OR munocytox'-de, ab,ti OR munocyt	
Gender	~	'pregnancy'exp OR pregnant't.de,ab,ti OR pregnanct'.de,ab,ti OR 'pregnancy complication'exp OR 'pregnancy disorder'exp OR 'abortion'exp OR 'abortion'exp OR 'abortion'exp OR 'breast feeding't.de,ab,ti OR 'breast feeding't.de,ab,ti OR 'pregnancy'exp OR 'aged'exp OR electry'ede,ab,ti OR 'pregnancy'exp OR 'aged'exp OR electry'ede,ti,ab OR 'pregnancy'exp OR electry'ede,ti	
Study types	V	(((environmental OR occupational)) NEXT/1 exposure*):de,ab,ii) OR 'compassionate use*'de,ab,ii OR ((named NEXT/1 (use OR patient*)):ab,ii) OR 'inappropriate presscri*'de,ab,ii OR 'drug metabolism'exp OR 'organ dysfunction''de,ab,ii OR 'organ dysfunction''de,ab,ii OR counterfeit.de,ab,ii OR 'from the control of the contr	
Publication types	V	((near NEXT/1 miss*):ab,tii) OR ineff*:ti OR nonrespon*:ti OR unrespon*:ti OR unrespon*:ti OR (((lack OR no OR non OR 'not') NEXT/2 (eff* OR respon*)):ab,tii) OR 'device failure':de,ab,ti OR (manufacturing NEAR/3 (error OR fault OR mistake OR failure OR contamination OR impurity)) OR 'patient compliance'/exp OR overdos*:de,ab,ti OR 'drug abuse'/exp OR abus*:de,ab,ti OR misus*:de,ab,ti OR 'off label':de,ab,ti OR unlicensed:de,ab,ti))) AND ('human'/exp OR human OR m?n OR wom?n OR child OR boy OR girl)	
Journal titles	V	#2 ('alzheimer disease'/exp OR 'alzheimer disease') AND [systematic review]/lim	4,688
Publication years	V	#1 'alzheimer disease'/exp OR 'alzheimer disease'	250,549
Authors	V	10,954 results for search #3 ② Set email alert 🥻 Search details 🗓 Index miner	
Conference Abstracts	V	Results View Export Email Add to Clipboard	- 25 >
Drug Trade Names	~	Select number of items Show all abstracts Sort by: Relevance Author Publication Year	Entry Date
Drug Manufacturers	~	Evolution of flash visual evoked potentials to monitor visual pathway integrity during tumor resection: illustrative cases and literature review	
Device Trade Names	~	Olmsted Z.T., Silverstein J.W., Einstein E.H., Sowulewski J., Nelson P., Boockvar J.A., D'Amico R.S. Neurosurgical Review 2023 46:1 Article Number 46 Cited by: 0	
Device Manufacturers	~	-	ar records >
	Apply >	Central diabetes insipidus: a late sequela of BNT162b2 SARS-CoV-2 mRNA vaccine? Ishay A., Shacham E.C. BMC Endocrine Disorders 2023 23:1 Article Number 47 Cited by: 0	
		Embase MEDLINE ✓ Abstract ✓ Index Terms ✓ View Full Text Get it at UC	ar records >

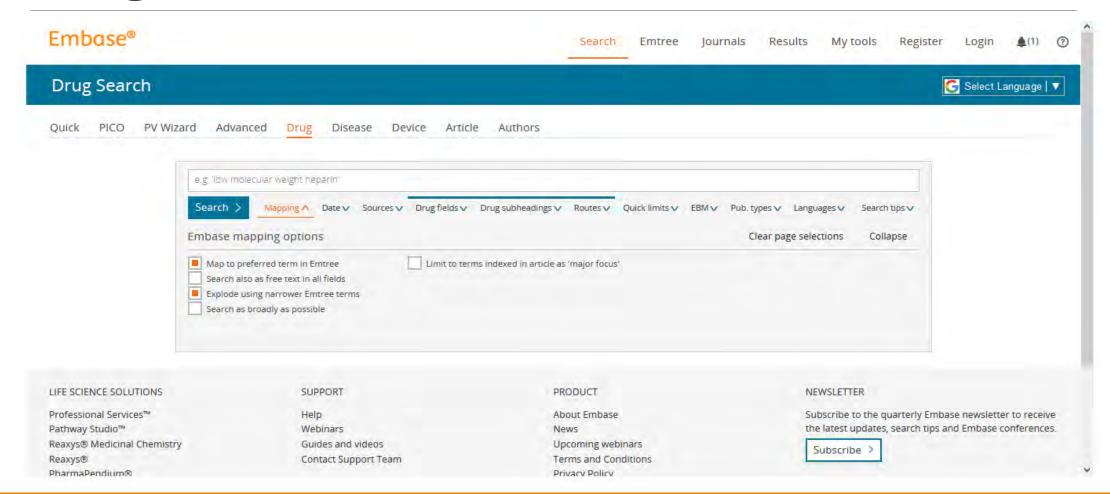
Advanced search

Advanced search



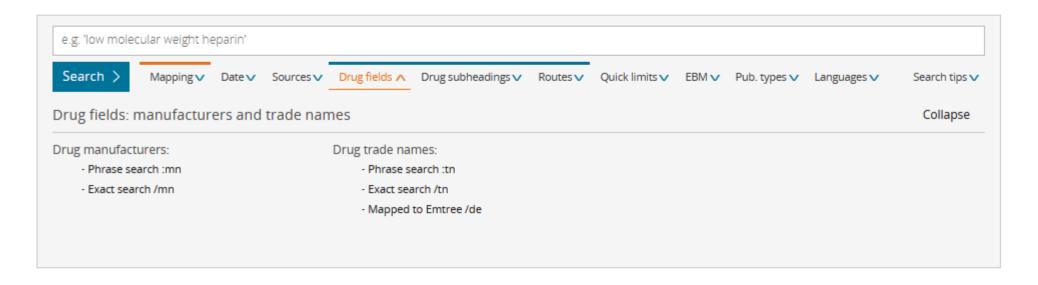
Drug search

Drug search



Drug search – Drug fields

Drug Disease Device Citation information



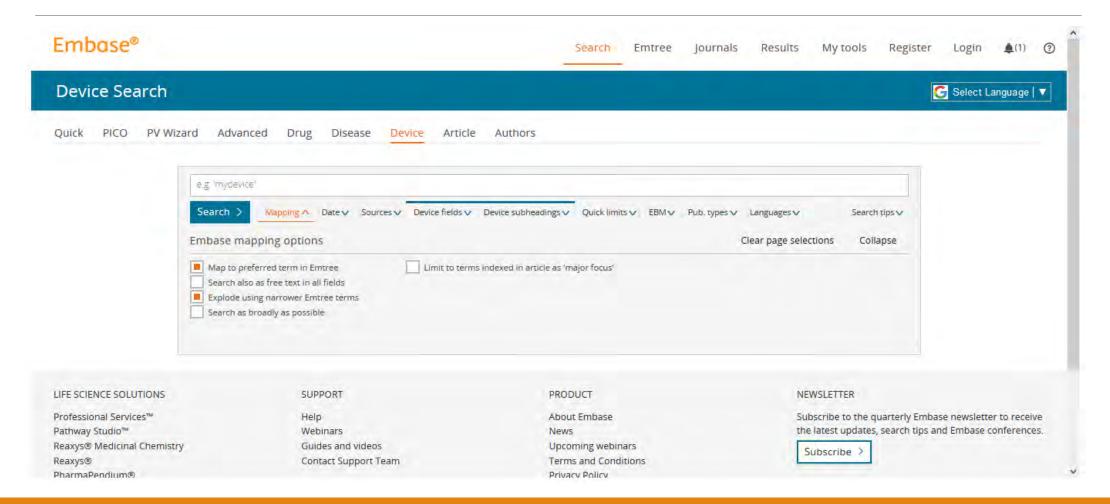
Drug search – Drug subheadings

g. 'low molecular weight heparin'		
Search > Mapping ∨ Date ∨ Sour	ces V Drug fields V Drug subheadings A Ro	outes V Quick limits V EBM V Pub. types V Languages V Search tips V
bheadings		Clear page selections Collapse
Adverse drug reaction	Drug development	Pharmacoeconomics
Clinical trial	Drug dose	Pharmacokinetics
Drug administration	Drug interaction	Pharmacology
Drug analysis	Drug therapy	Special situation for pharmacovigilance
Drug combination	Drug toxicity	Unexpected outcome of drug treatment
Drug comparison	Endogenous compound	
	Pharmaceutics	

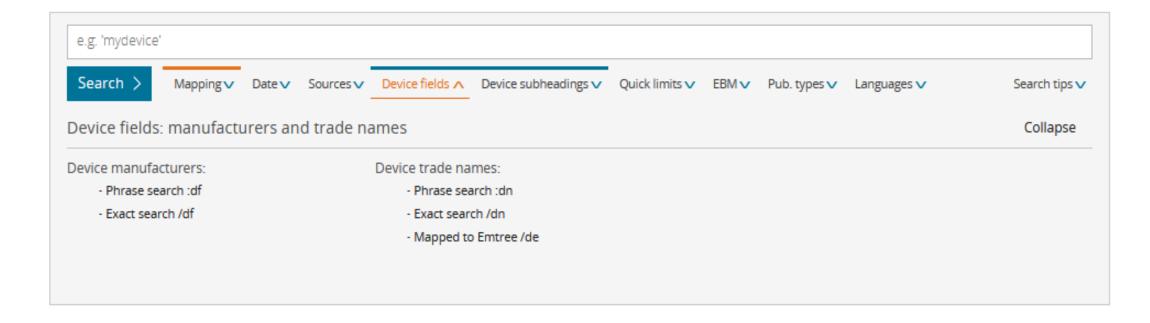
Drug search - Routes

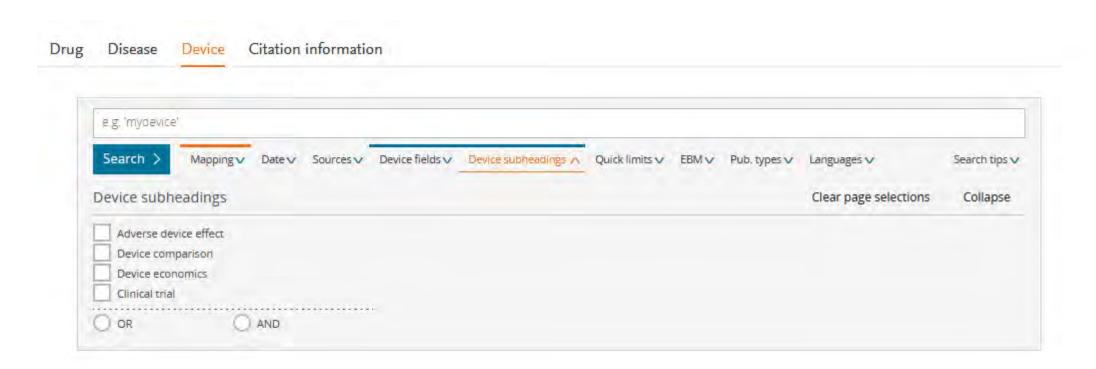
Drug Disease Device Citation information

e.g. 'low molecular weight heparin'										
Search > Mapping ∨ Date ∨ Sources ∨	Drug fields ✓ Drug subheadings ✓ Routes ∧	Quick limits ▼ EBM ▼ Pub. types ▼ Languages ▼ Search tips								
Routes of drug administration		Clear page selections Collapse								
Buccal drug administration Epidural drug administration Inhalational drug administration Intraarterial drug administration Intraarticular drug administration Intrabronchial drug administration Intramuscular drug administration Intranasal drug administration Intraocular drug administration Intraocular drug administration Intraocular drug administration Intraocular drug administration Intraperitoneal drug administration	Intrabursal drug administration Intracameral drug administration Intracardiac drug administration Intracavernous drug administration Intracerebral drug administration Intracerebroventricular drug administration Intraspinal drug administration Intrathecal drug administration Intratracheal drug administration Intratumoral drug administration Intratympanic drug administration	Intracisternal drug administration Intradermal drug administration Intraduodenal drug administration Intragastric drug administration Intralesional drug administration Intralymphatic drug administration Intraverine drug administration Intravenous drug administration Intravenous drug administration Intravesical drug administration Intraverine drug administration Intraverine drug administration Intraverine drug administration Intraverine drug administration								
Intrapleural drug administration Parenteral drug administration Periocular drug administration Rectal drug administration Regional Perfusion Retrobulbar drug administration Subconjunctival drug administration OR AND	Intraurethral drug administration Subcutaneous drug administration Sublabial drug administration Sublingual drug administration Topical drug administration Transdermal drug administration	Oral drug administration								



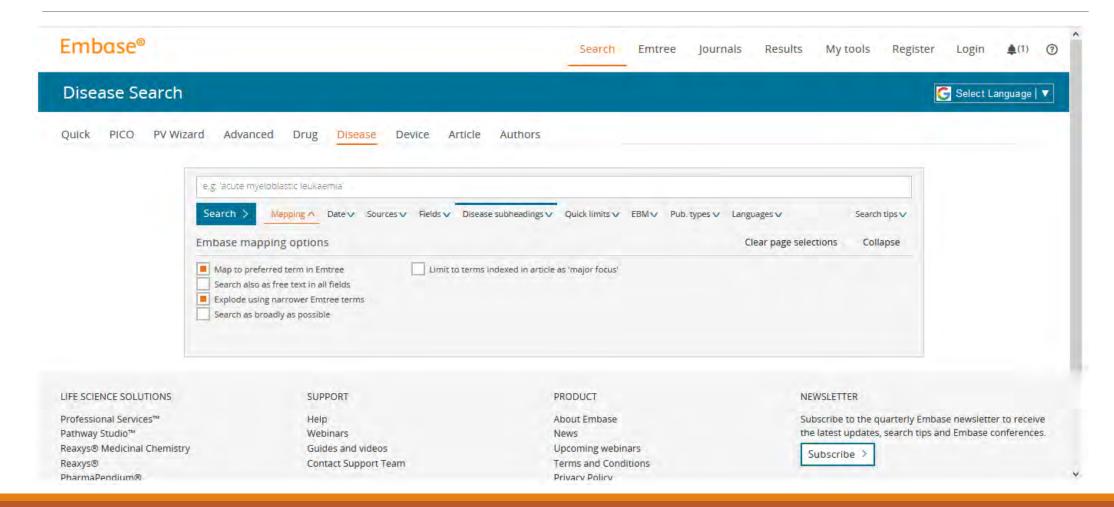
Drug Disease Device Citation information





Disease search

Disease search

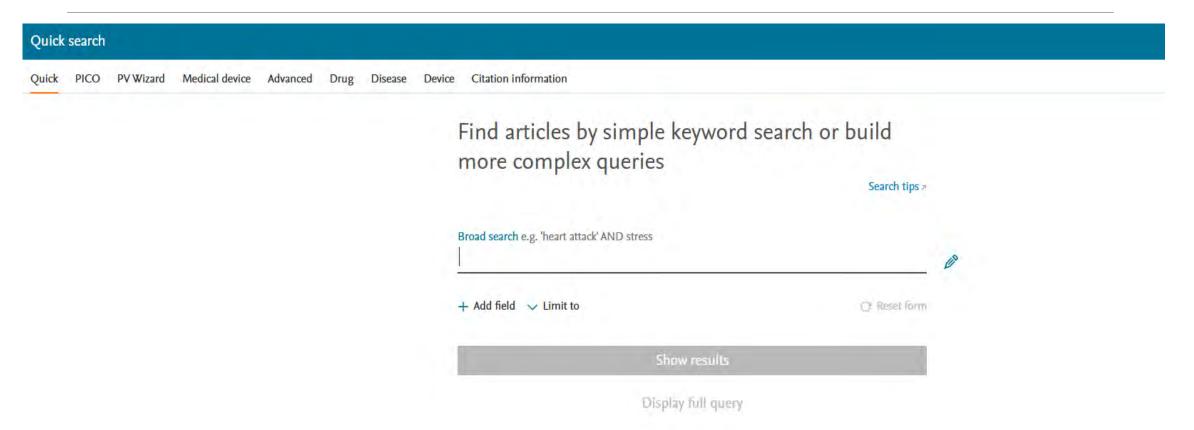


Disease search

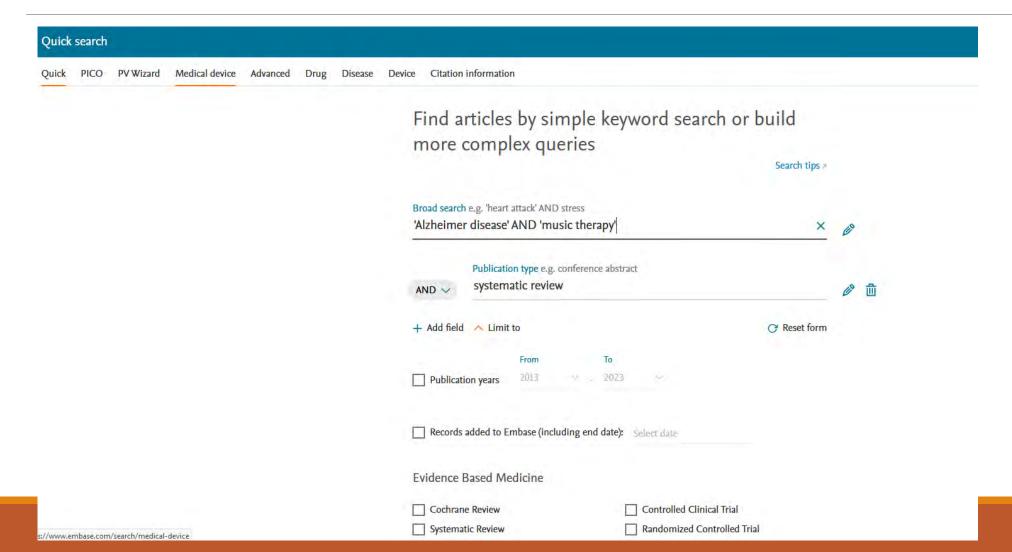
ug	Disease Device Citation inform	nation				
	e.g. 'acute myeloblastic leukaemia'					
	Search > Mapping V Date V Source	PISV Fields V Disease subheadings A	Quick limits V El	BMV Pub. types V	Languages V	Search tips V
	Disease subheadings				Clear page selections	Collapse
	Complication	Epidemiology		Surgery		
	Congenital disorder	Etiology		Therapy		
	Diagnosis	Prevention				
	Disease management	Radiotherapy				
	Drug resistance	Rehabilitation				
	Drug therapy	Side effect				

Quick search

Quick search



Quick search



Search strategy

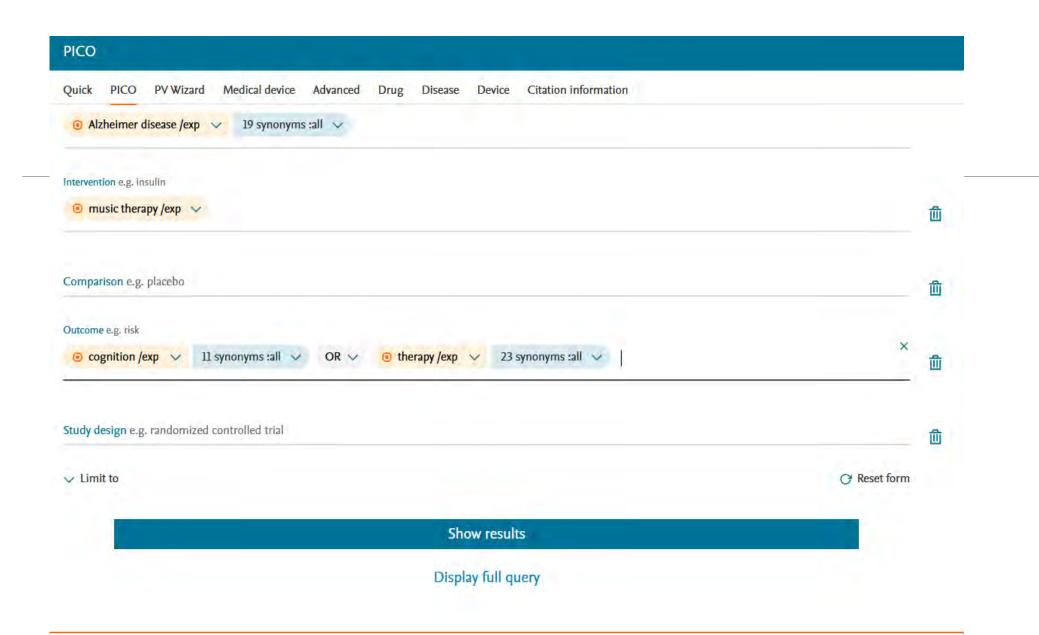
PICO

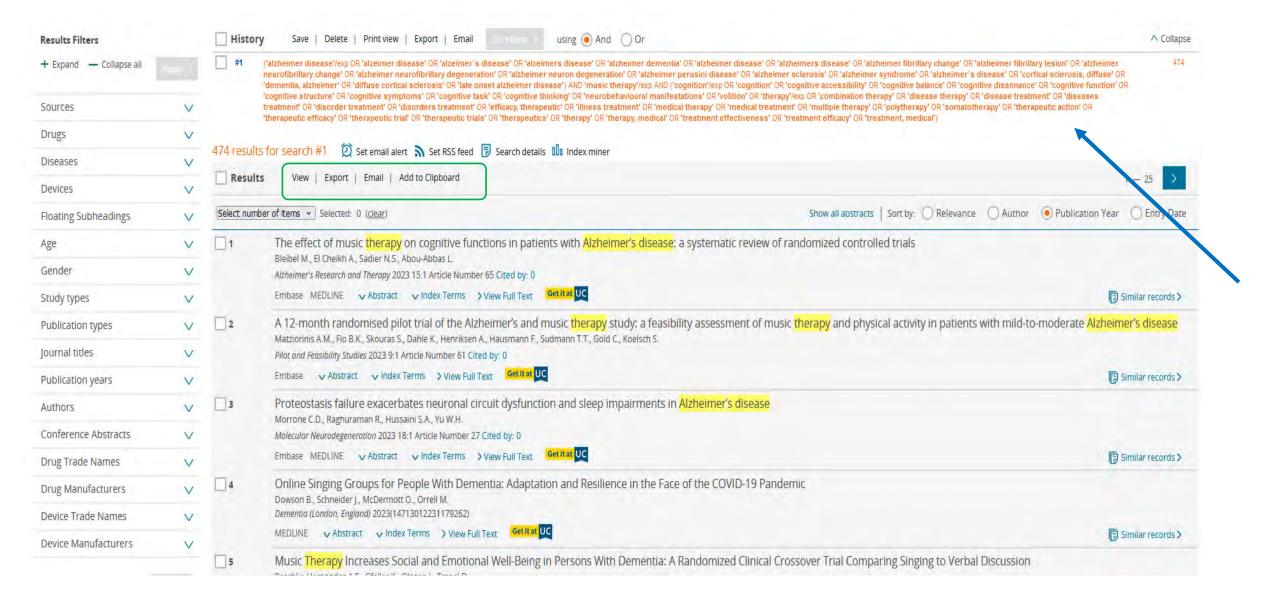
Patients: People of any age with Alzheimer's disease

Intervention: music therapy

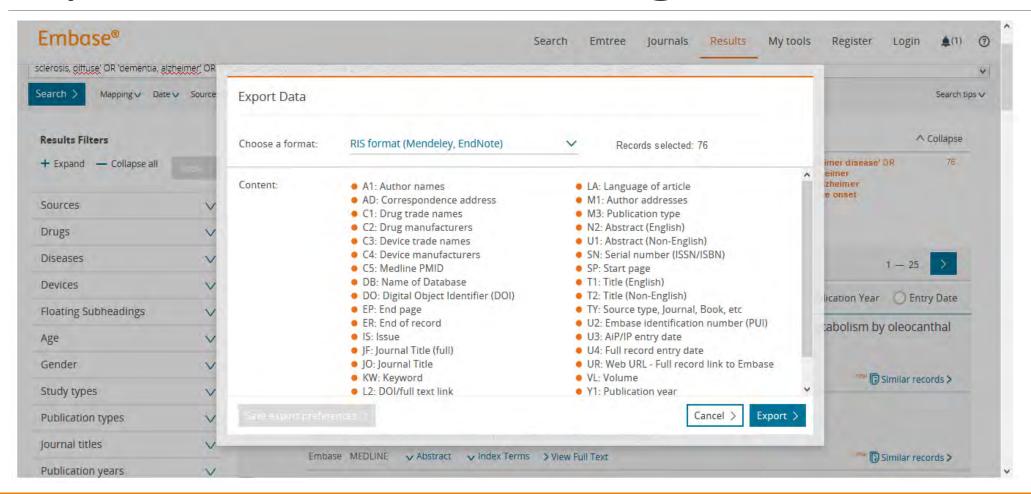
Comparison: ----

Outcome: treatment; improvement in cognitive functions

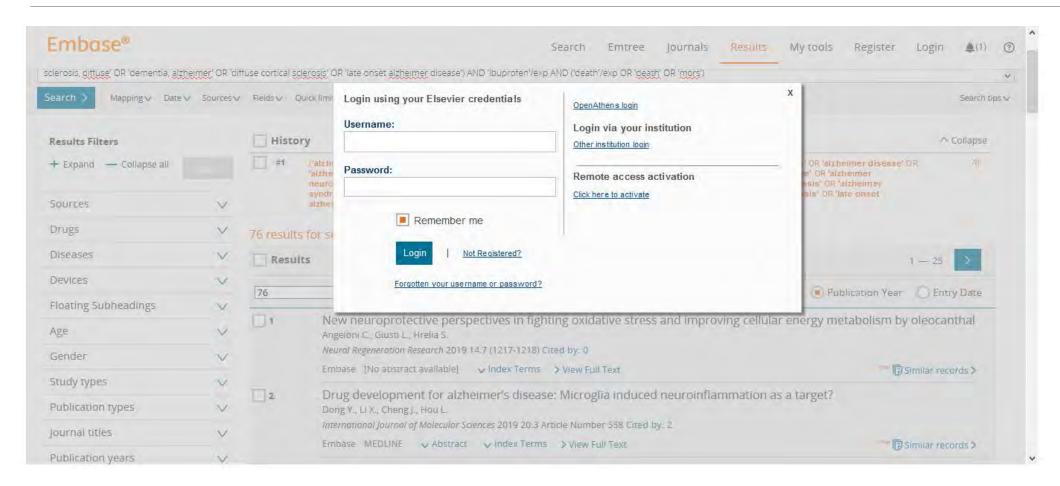




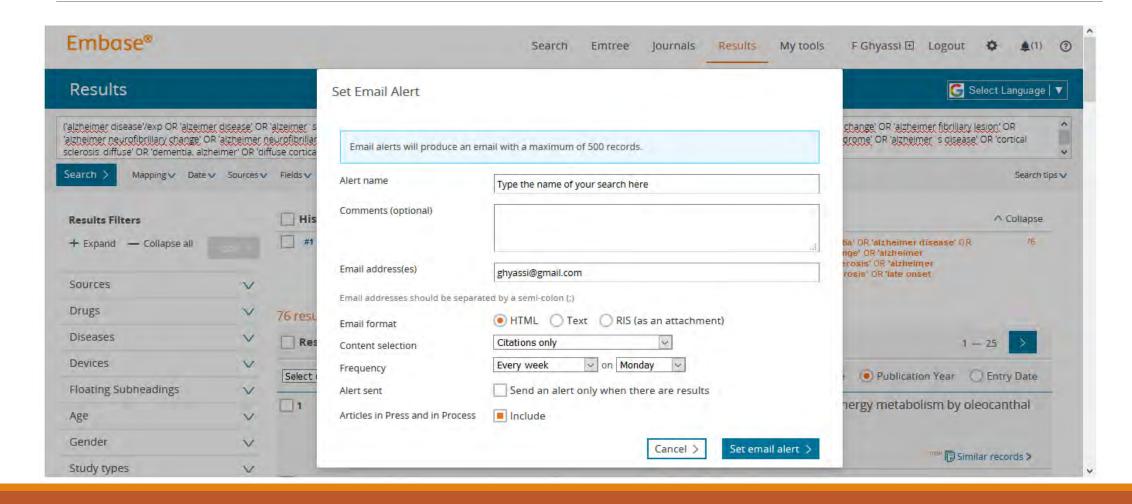
Export to Reference managers

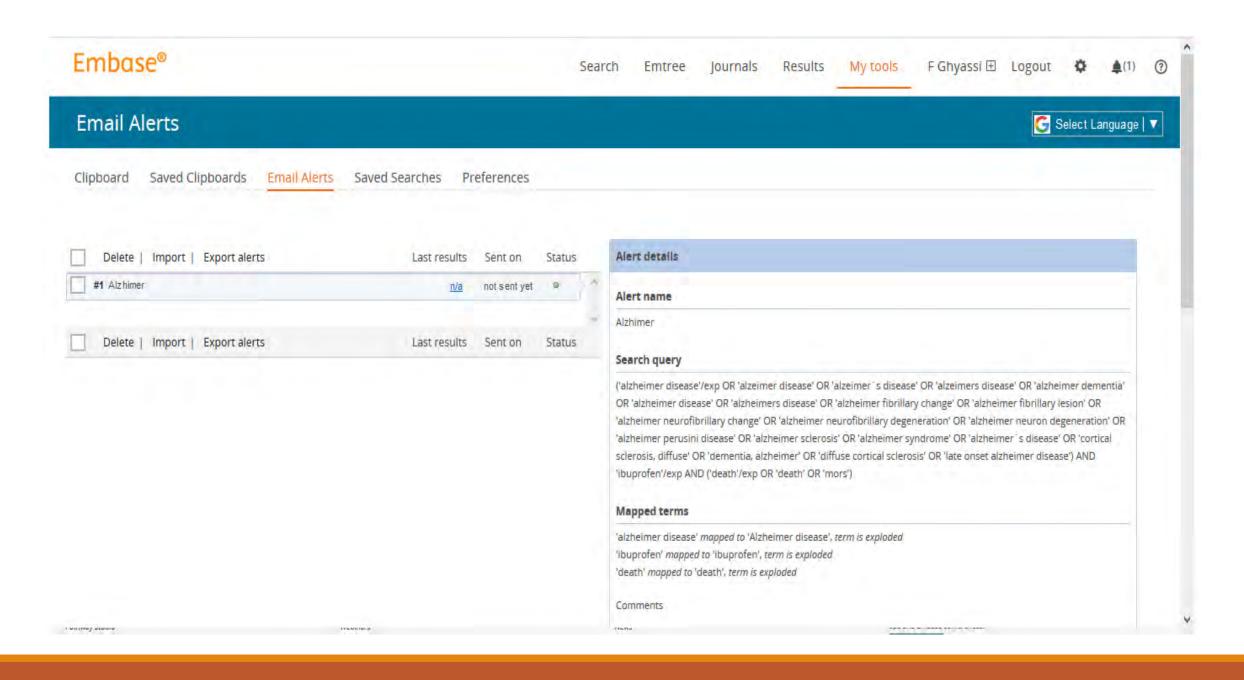


Login

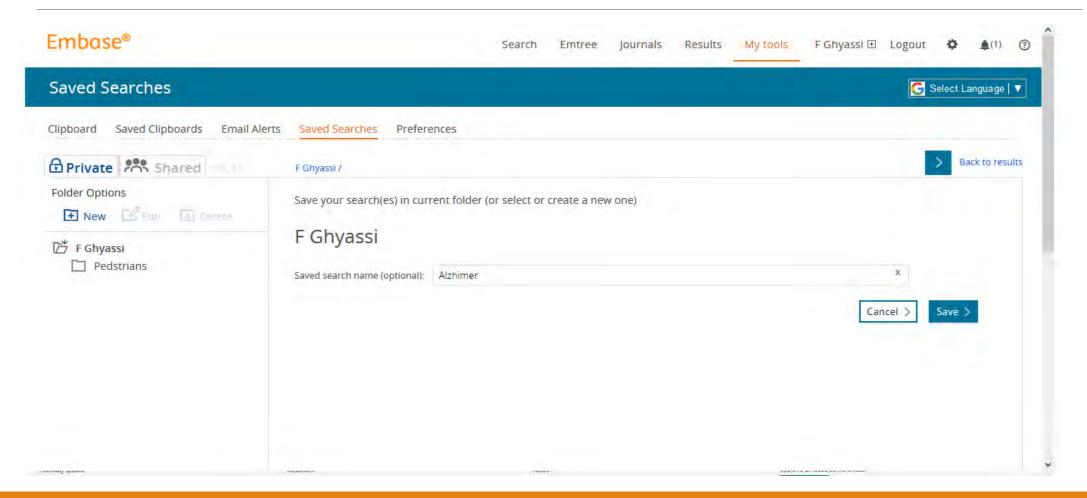


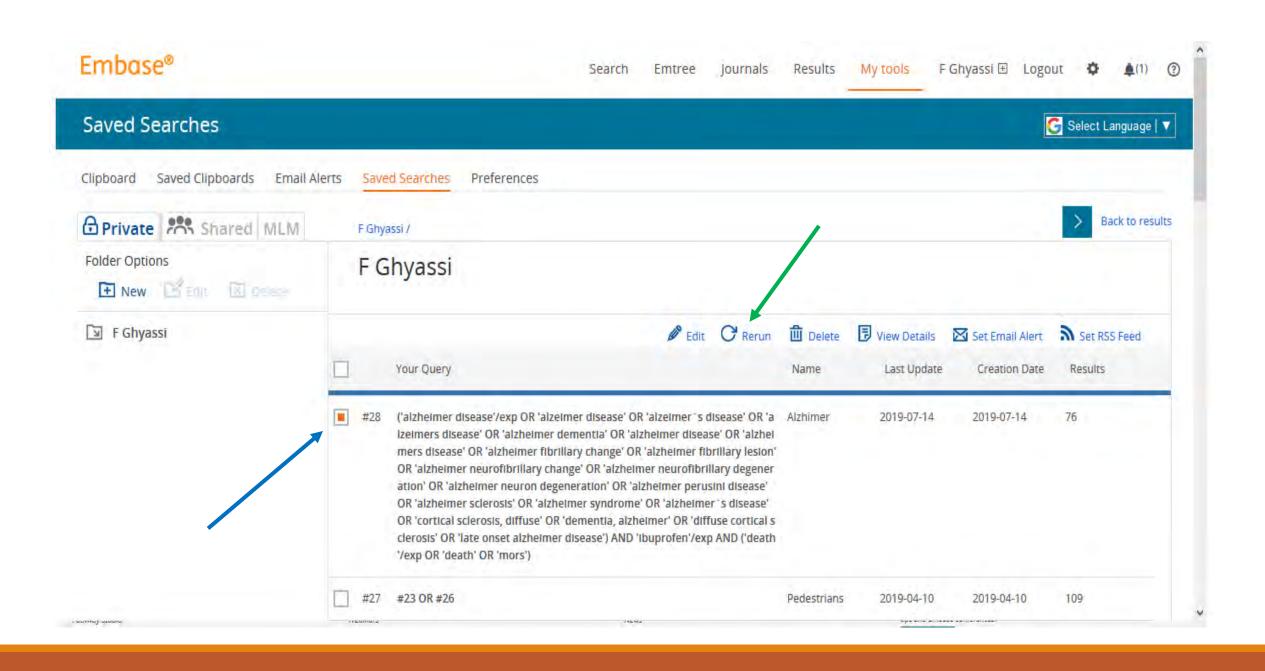
Set Email Alert





Save: history of search





Results Filters

