



Appendix 1 Search strategies

Embase via Elsevier 24 February 2020

Title: Transcranial magnetic stimulation

Search terms	Items found
Population: Depression	
1. 'depression'/exp/mj	222,268
2. 'bipolar disorder'/exp/mj	40,049
3. depress*:ti,ab,kw OR bipolar:ti,ab,kw	676,667
4. #1 OR #2 OR #3	705,959
Intervention: Transcranial magnetic stimulation	
5. 'transcranial magnetic stimulation'/exp/mj	10,307
6. 'transcranial magnetic stimulation':ab,ti,kw OR 'trans-cranial magnetic stimulation':ab,ti,kw OR tms:ab,ti,kw OR rtms:ab,ti,kw OR dtms:ab,ti,kw OR brainway*:ab,ti,kw OR neurostar:ab,ti,kw OR neuronetics:ab,ti,kw	28,175
7. #5 OR #6	28,655
Combined sets	
8. #4 AND #7 AND [2014-2020]/py	2,246
9. #8 AND ('article'/it OR 'article in press'/it OR 'review'/it)	1,084

The final search result, usually found at the end of the documentation, forms the list of abstracts.

/de = Term from the EMTREE controlled vocabulary
 /exp = Includes terms found below this term in the EMTREE hierarchy
 /mj = Major Topic
 :ab = Abstract
 :au = Author
 :kw = Author keywords
 :ti = Article Title
 :ti,ab = Title or abstract

* = Truncation
 '' = Citation Marks; searches for an exact phrase
 NEAR/n= Requests terms that are within 'n' words of each other in either direction
 NEXT/n= Requests terms that are within 'n' words of each other in the order specified

Scopus via Elsevier 24 February 2020

Title: Transcranial magnetic stimulation (citation search)

Search terms	Items found
Cited article	
1. Levkovitz Y, Isserles M, Padberg F, Lisanby SH, Bystritsky A, Xia G, et al. Efficacy and safety of deep transcranial magnetic stimulation for major depression: a prospective multicenter randomized controlled trial. World Psychiatry 2015;14:64-73	134

The search result, usually found at the end of the documentation, forms the list of abstracts.

PsycINFO via EBSCO 24 February 2020

Title: Transcranial magnetic stimulation

Search terms		Items found
Population: Depression		
1.	DE "Major Depression" OR DE "Anaclitic Depression" OR DE "Dysthymic Disorder" OR DE "Endogenous Depression" OR DE "Late Life Depression" OR DE "Postpartum Depression" OR DE "Reactive Depression" OR DE "Recurrent Depression" OR DE "Treatment Resistant Depression"	128,160
2.	DE "Depression (Emotion)"	25,349
3.	TI (depress* OR bipolar) OR AB (depress* OR bipolar) OR KW (depress* OR bipolar)	321,863
4.	S1 OR S2 OR S3	324,740
Intervention: Transcranial magnetic stimulation		
5.	DE "Transcranial Magnetic Stimulation"	9,153
6.	TI ("transcranial magnetic stimulation" OR "trans-cranial magnetic stimulation" OR tms OR rtms OR dtms OR brainsway* OR neurostar OR neuronetics) OR AB ("transcranial magnetic stimulation" OR "trans-cranial magnetic stimulation" OR tms OR rtms OR dtms OR brainsway* OR neurostar OR neuronetics) OR KW ("transcranial magnetic stimulation" OR "trans-cranial magnetic stimulation" OR tms OR rtms OR dtms OR brainsway* OR neurostar OR neuronetics)	9,844
7.	S5 OR S6	11,528
Combined sets		
8.	S4 AND S7 (Limiters - Published Date: 20140101-20201231; Peer Reviewed; Publication Type: Peer Reviewed Journal)	888

The final search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract

AU = Author

DE = Term from the thesaurus

JN = Journal

KW = Keywords

MM = Major Concept

SU= Subjects

TI = Title

TX = All Text. Performs a keyword search of all the database's searchable fields

ZC = Methodology Index

* = Truncation

" " = Citation Marks; searches for an exact phrase

N= Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear.

W= Within Operator (W) finds the words if they are within x words of one another, in the order in which you entered them.

Cochrane Library via Wiley 24 February 2020 (CDSR, Cochrane Protocols, CENTRAL)

Title: Transcranial magnetic stimulation

Search terms	Items found
Population: Depression	
1. MeSH descriptor: [Depressive Disorder] explode all trees	11799
2. MeSH descriptor: [Depression] explode all trees	11640
3. MeSH descriptor: [Bipolar Disorder] explode all trees	2639
4. (depress* OR bipolar):ab,ti,kw	86907
5. #1 OR #2 OR #3 OR #4	86962
Intervention: Transcranial magnetic stimulation	
6. MeSH descriptor: [Transcranial Magnetic Stimulation] explode all trees	1320
7. ((transcranial next/1 magnetic next/1 stimulation) OR (trans-cranial next/1 magnetic next/1 stimulation) OR tms OR rtms OR dtms OR brainsway* OR neurostar OR neuronetics):ab,ti,kw	5433
8. #6 OR #7	5433
Combined sets	
9. #5 AND #8 with Cochrane Library publication date Between Jan 2014 and Dec 2020	CDSR/4 Cochrane Protocols/0
10. #5 AND #8 with Publication Year from 2014 to 2020, in Trials	CENTRAL/827

The final search result, usually found at the end of the documentation, forms the list of abstracts.

:au = Author

MeSH descriptor: [...] explode all trees = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

MeSH descriptor: [...] this term only = Does not include terms found below this term in the MeSH hierarchy

next/x = Finds the terms when they appear next to each other. Terms must appear in the order specified

:ti = title

:ab = abstract

:kw = keyword

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

CDSR = Cochrane Database of Systematic Review

Cochrane Protocols = protocols of systematic reviews registered in Cochrane Library

CENTRAL = Cochrane Central Register of Controlled Trials, “trials”

PubMed via NLM 24 February 2020

Title: Transcranial magnetic stimulation

Search terms		Items found
Population: Depression		
1.	Depressive Disorder[MeSH]	106,915
2.	Depression[MeSH]	210,436
3.	Bipolar Disorder[MeSH]	39,656
4.	(depress*[Title/Abstract] OR bipolar[Title/Abstract])	495,507
5.	(depress*[OT] OR bipolar[OT])	56,694
6.	1 OR 2 OR 3 OR 4 OR 5	543,073
Intervention: Transcranial magnetic stimulation		
7.	Transcranial Magnetic Stimulation[MeSH]	11,019
8.	transcranial magnetic stimulation[Title/Abstract] OR trans-cranial magnetic stimulation[Title/Abstract] OR tms[Title/Abstract] OR rtms[Title/Abstract] OR dtms[Title/Abstract] OR brainsway*[Title/Abstract] OR neurostar[Title/Abstract] OR neuronetics[Title/Abstract]	19,775
9.	transcranial magnetic stimulation[OT] OR trans-cranial magnetic stimulation[OT] OR tms[OT] OR rtms[OT] OR dtms[OT] OR brainsway*[OT] OR neurostar[OT] OR neuronetics[OT]	4,372
10.	7 OR 8 OR 9	21,275
Combined sets		
11.	6 AND 10 Filters activated: Publication date from 2014/01/01 to 2020/12/31	1,247

The search result, usually found at the end of the documentation, forms the list of abstracts.

[MeSH] = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

[MAJR] = MeSH Major Topic

[TIAB] = Title or abstract

[TI] = Title

[AU] = Author

[OT]= Other term

[TW] = Text Word

Systematic[SB] = Filter for retrieving systematic reviews

* = Truncation