Proximity Searching in PubMed

Amanda Sawyer [C], NCBI PubMed Team

National Library of Medicine
National Center for Biotechnology Information

Agenda

What is proximity searching?

How do I create a proximity search in PubMed?

Proximity searching examples

Q&A

Proximity Searching

- Search for multiple terms appearing in any order within a specified distance of one another in the [Title] or [Title/Abstract] fields.
- Proximity searching can be particularly helpful when searching for concepts that may be represented in multiple ways, or to capture variations of a phrase.

Patient Physician Relationship

Patient-physician relationship - Communication is the key.
Honavar SG.
Indian
PMID:

The **Physician-Patient Relationship**.
Derse AR.
N Engl J Med. 2022
PMID: 35984346

The **patient**-parent-**physician relationship**.
Elster A, Staunton P.
Virtual Mentor. 2002 Apr 1;5(4):virtualmentor.2002.5.4.ccas1-0204. doi:
10.100
PMID:

Impact of social media for the hematologist/oncologist.
Abuhadra N, Majhail NS, Nazha A.
Semin Hematol. 2017 Oct;54(4):193-197. doi: 10.1053/j.seminhematol.2017.07.003. Epub 2017 Sep 18.
PMID: 29153080 Review.
In the era of modern communication, the **physician** and **patient relationship** has evolved to include an entirely new dimension-social media. ...However, these advantages come with challenges such as threats

Proximity Search Syntax

"search terms"[field:~N]

- search terms = Two or more words enclosed in double quotes
- field = The search field tag for the [Title] or [Title/Abstract] fields
- N = The maximum number of words that may appear between your search terms

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Proximity Search Syntax

(continued-2)

"search terms"[field:~N]

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Proximity Search Syntax

(continued-3)

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Proximity Search Syntax

(continued-4)

"search terms"[field:~N]

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Proximity Search Syntax

(continued-5)

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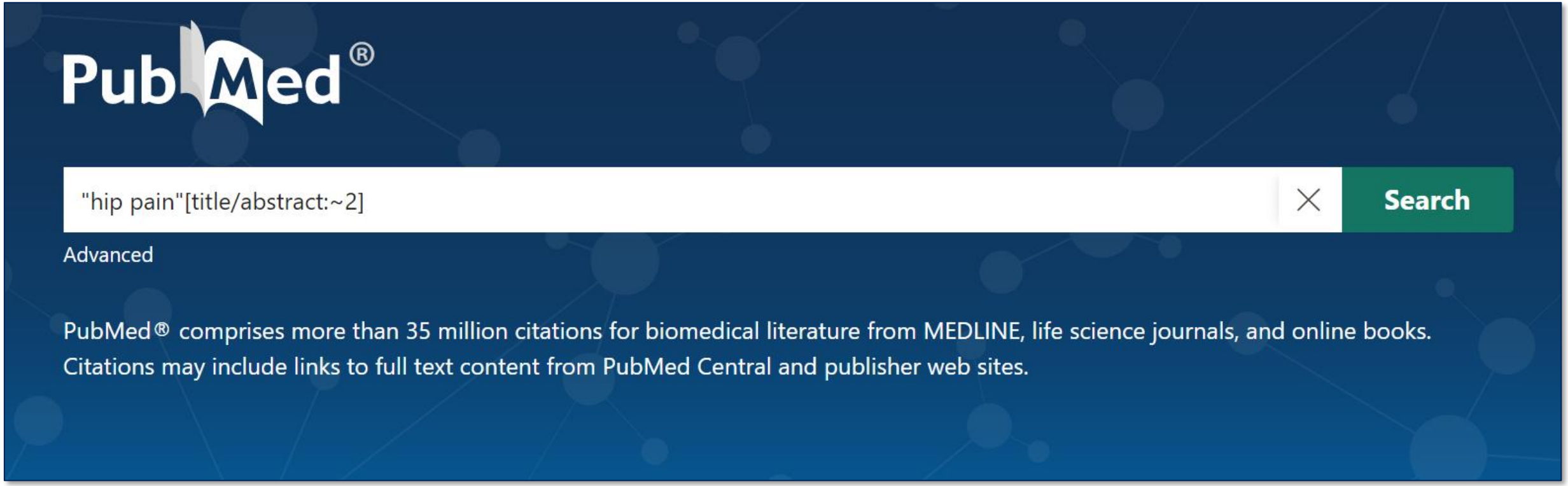
Proximity Search Syntax

(continued-6)

"search terms"[field:~N]

- search terms = Two or more words enclosed in double quotes
- field = The search field tag for the [Title] or [Title/Abstract] fields
- N = The maximum number of words that may appear between your search terms

Searching for citations where “hip” and “pain” appear in the Title/Abstract field with no more than 2 words between them



Searching for citations where “hip” and “pain” appear in the Title/Abstract field with no more than 2 words between them (continued-2)

4

Cite

Share

Consensus recommendations on the classification, definition and diagnostic criteria of **hip**-related **pain** in young and middle-aged active adults from the International **Hip**-related **Pain** Research Network, Zurich 2018.

Reiman MP, Agricola R, Kemp JL, Heerey JJ, Weir A, van Klij P, Kassarjian A, Mosler AB, Ageberg E, Hölmich P, Warholm KM, Griffin D, Mayes S, Khan KM, Crossley KM, Bizzini M, Bloom N, Casartelli NC, Diamond LE, Di Stasi S, Drew M, Friedman DJ, Freke M, Gojanovic B, Glyn-Jones S, Harris-Hayes M, Hunt MA, Impellizzeri FM, Ishøi L, Jones DM, King MG, Lawrenson PR, Leunig M, Lewis CL, Mathieu N, Moksnes H, Risberg MA, Scholes MJ, Semciw AI, Serner A, Thorborg K, Wörner T, Dijkstra HP.

Br J Sports Med. 2020 Jun;54(11):631-641. doi: 10.1136/bjsports-2019-101453. Epub 2020 Jan 20.

PMID: 31959678

There is no agreement on how to classify, define or diagnose **hip**-related **pain**-a common cause of **hip** and groin **pain** in young and middle-aged active adults. This complicates the work of clinicians and researchers. The International **Hip**-related ...

Searching for citations where “hip” and “pain” appear in the Title/Abstract field with no more than 2 words between them (continued-3)

14

Cite

Share

Effectiveness of Dry Needling Therapy on **Pain**, **Hip** Muscle Strength, and Physical Function in Patients With **Hip** Osteoarthritis: A Randomized Controlled Trial.

Ceballos-Laita L, Jiménez-Del-Barrio S, Marín-Zurdo J, Moreno-Calvo A, Marín-Boné J, Albarova-Corral MI, Estébanez-de-Miguel E.

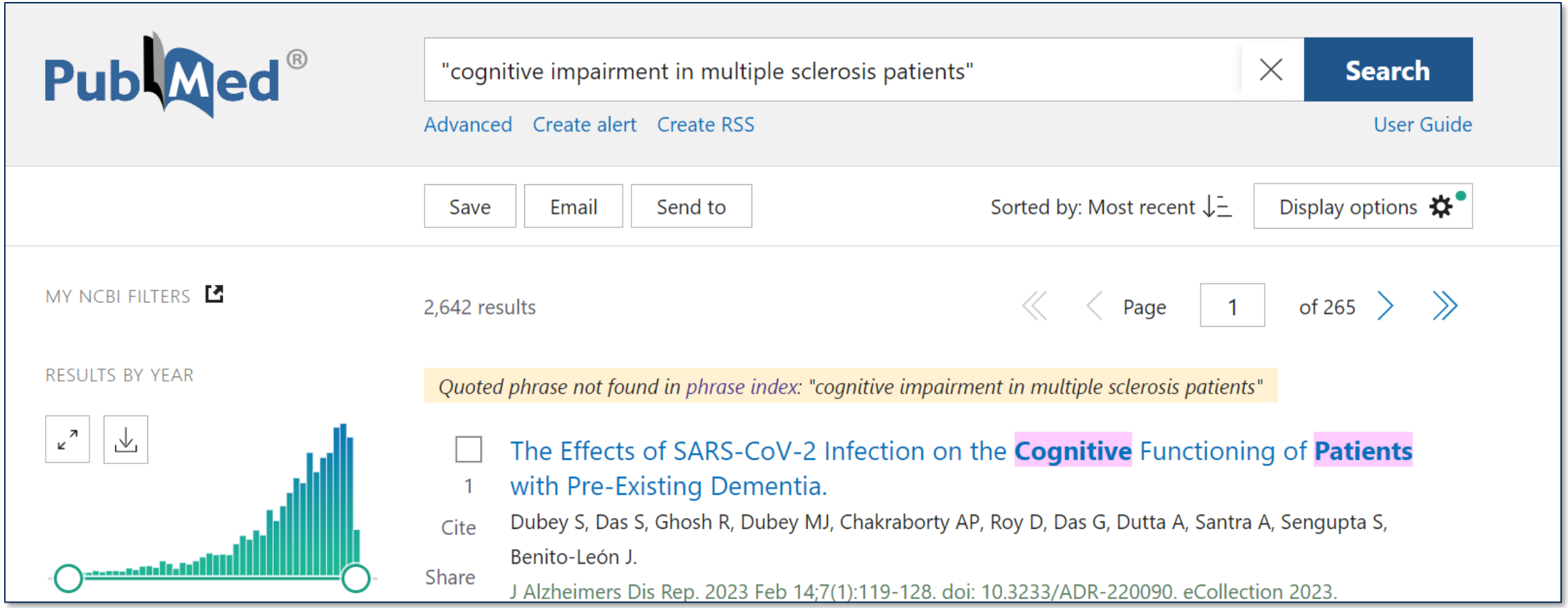
Arch Phys Med Rehabil. 2021 May;102(5):959-966. doi: 10.1016/j.apmr.2021.01.077. Epub 2021 Feb 7.

PMID: 33567336 Clinical Trial.

OBJECTIVE: To investigate the short-term effects of dry needling (DN) on physical function, **pain**, and **hip** muscle strength in patients with **hip** osteoarthritis (OA). ...The DN group showed within- and between-groups large effect sizes (d>0.8). CONCLUSIONS: D ...

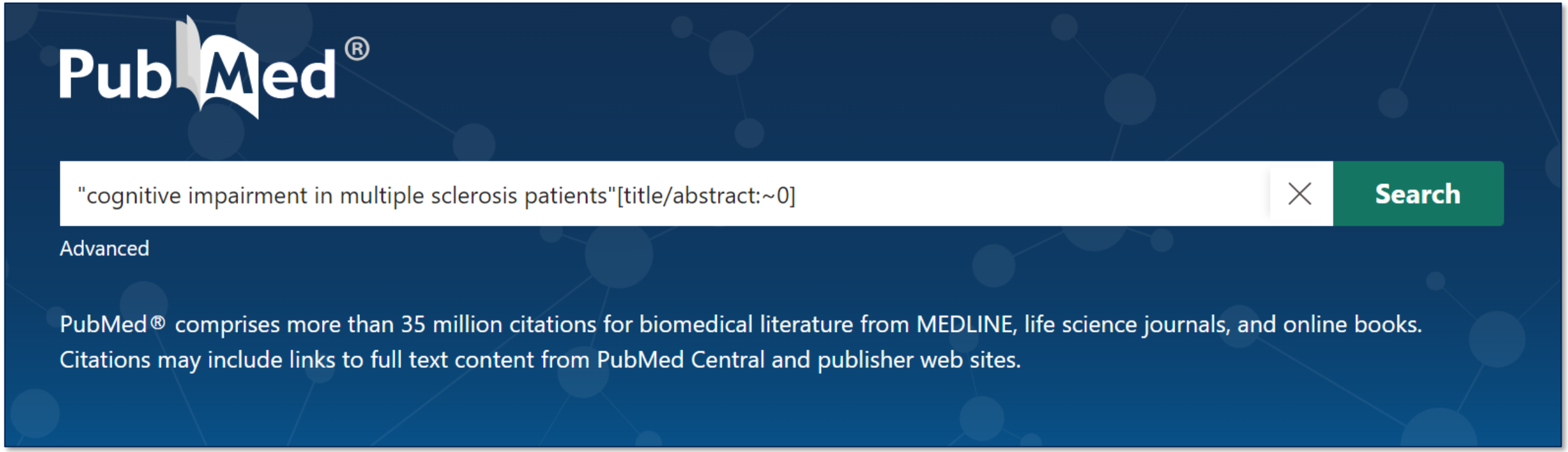
“Quoted phrase not found in phrase index”

Use N=0 to find citations with terms directly next to each other



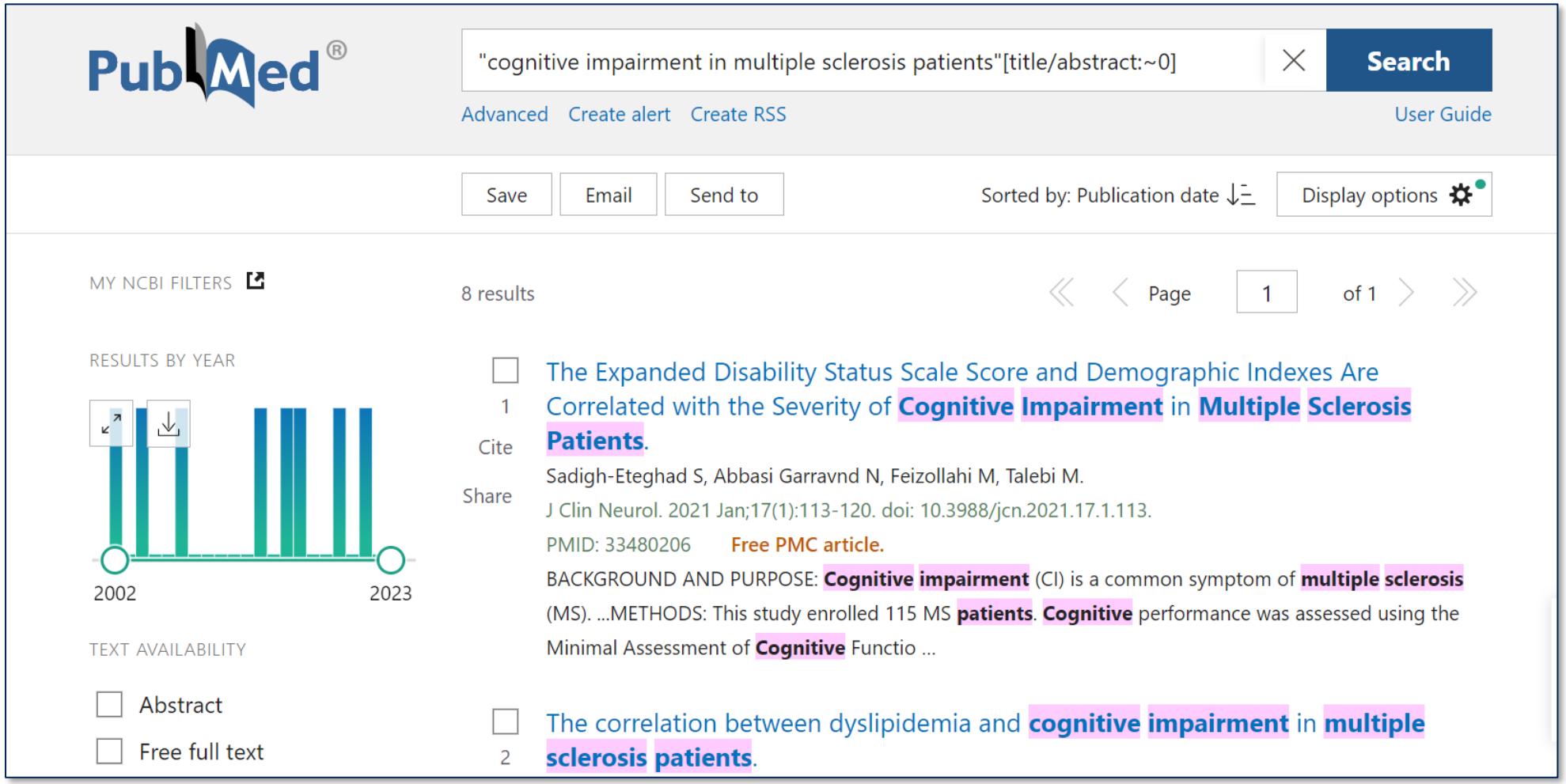
“Quoted phrase not found in phrase index”

Use N=0 to find citations with terms directly next to each other (continued-2)



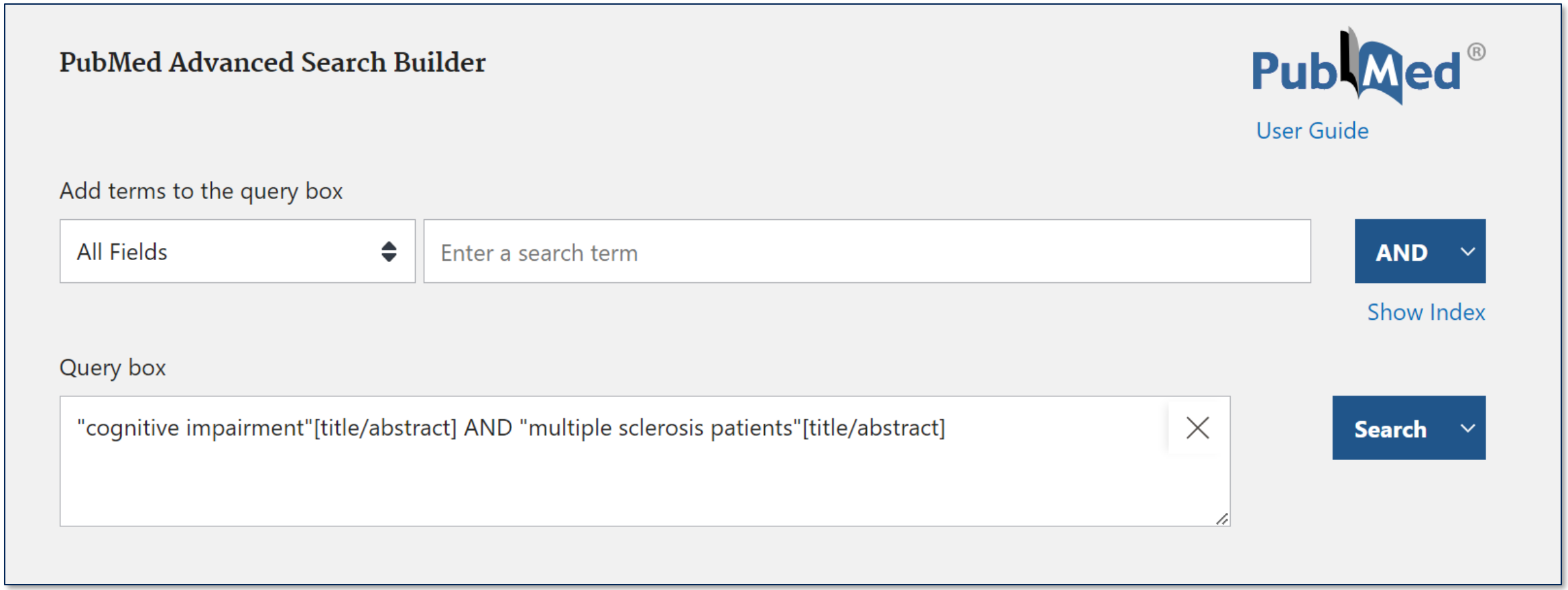
“Quoted phrase not found in phrase index”

Use N=0 to find citations with terms directly next to each other (continued-3)



“Quoted phrase not found in phrase index”

Use N=0 to find citations with terms directly next to each other (continued-4)



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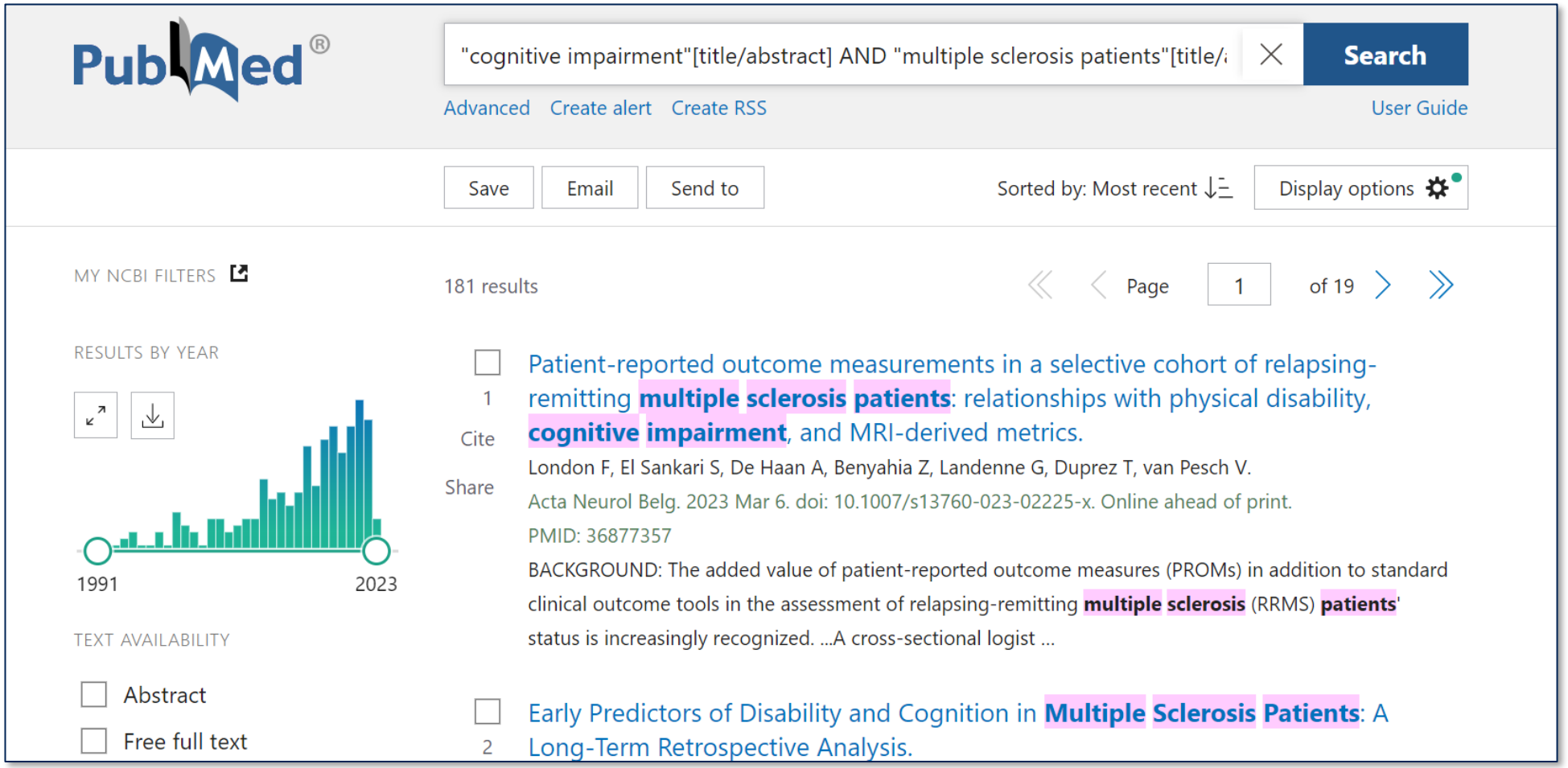
Use N=0 to find citations with terms directly next to each other (continued-5)



Getting Help with Proximity Searching

- **PubMed User Guide:** https://pubmed.gov/help/#proximity-searching
- **Proximity Searching Tutorial:** https://www.nlm.nih.gov/oet/ed/pubmed/quicktours/proximity/index.html
- **Proximity Searching Technical Bulletin:** https://www.nlm.nih.gov/pubs/techbull/nd22/nd22_pubmed_proximity_search_available.html

Write to the Help Desk

Reach out to the NLM Help Desk with questions, feedback, and suggestions for the PubMed Team.

https://support.nlm.nih.gov/

Questions?