

# NLM Office Hours: PubMed Update

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U.S. National Library of Medicine  
*National Center for Biotechnology Information*

# Agenda

- PubMed by the Numbers
- PubMed Updates & New Features
- Where to Find Training & Support
- Questions

# PubMed by the Numbers



**Comprised of more than 36 million citations**

Nearly 2 million citations added since MLA '22



**Visited by 3.5 million users per day**

From all over the world



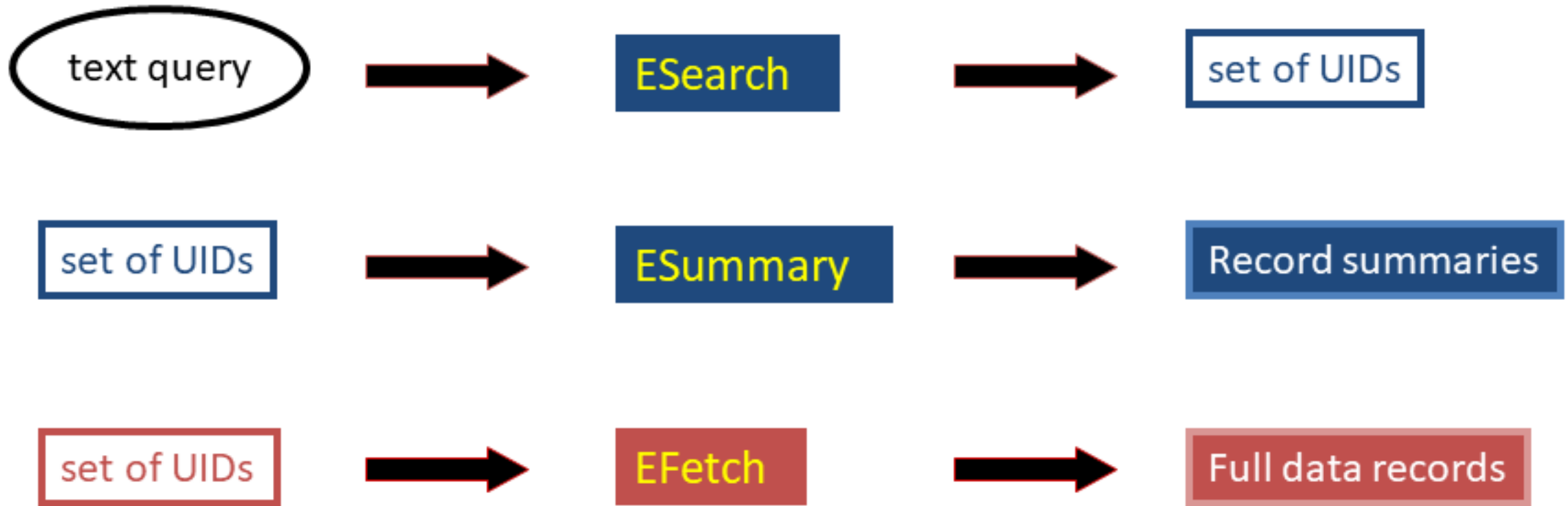
**5.5 million searches conducted per day**

In the PubMed web interface

# PubMed

## Updates & Features

# Updated PubMed E-Utilities





**Subscribe for E-Utilities Announcements:**

<https://www.ncbi.nlm.nih.gov/mailman/listinfo/utilities-announce/>

# Updated Journal Translation Table

## History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#4	...	▼	<b>Search: New England Journal of Medicine[Journal]</b> "n engl j med"[Journal] <b>Translations</b> <b>New England Journal of Medicine[Journal]: "N Engl J Med"</b> [Journal: __jid0255562]	83,769	15:42:48
#3	...	▼	<b>Search: The New England Journal of Medicine[Journal]</b> "n engl j med"[Journal] <b>Translations</b> <b>The New England Journal of Medicine[Journal]: "N Engl J Med"</b> [Journal: __jid0255562]	83,769	15:42:36

# Updated Collections Button on Abstract Pages

The image shows a screenshot of a PubMed abstract page for the article "Acute Kidney Injury in..." by Mitra K Nadim et al. (PMID: 36812435). The page includes a search bar, navigation links, and a "FULL TEXT LINKS" section with a "NEJM FULL TEXT" button. A modal dialog box titled "ADD TO COLLECTIONS" is centered on the screen, offering two options: "Create a new collection" (unselected) and "Add to an existing collection" (selected). Below these options, a dropdown menu labeled "Choose a collection:" shows "Favorites" as the selected option. At the bottom of the dialog are "Add" and "Cancel" buttons. The background page also shows a "Search" button, "User Guide" link, and "ACTIONS" section with "Cite" and "Collections" buttons.

Review > N Engl J Med. 2023 Feb 23;388(8):733-745. doi: 10.1056/NEJMra2215289. FULL TEXT LINKS

## Acute Kidney Injury in...

Mitra K Nadim  
Affiliations +  
PMID: 36812435

PublMed®

ADD TO COLLECTIONS

- Create a new collection
- Add to an existing collection

Choose a collection: Favorites

Add Cancel

Search

User Guide

Display options

Full Text Links

NEJM FULL TEXT

ACTIONS

Cite

Collections

# Filter Menu Updates

ARTICLE TYPE

Cite N Engl J Med. 2009 Dec 17;361(25):2449-60. doi: 10.1056/NEJMra0804588. Page 1

Books and Documents PMID: 20018966 Free PMC article. Review. No abstract available.

ARTICLE TYPE

SPECIES

ARTICLE LANGUAGE

SEX

AGE

**OTHER**

Exclude preprints

MEDLINE

Cancel Show


Reset all filters

Cite 80702 (Alliance) Randomized Clinical Trial.


Meyerhardt JA, Shi Q, Fuchs CS, Meyer J, Niedzwiecki D, Zemla T, Kumthekar P, Guthrie KA, Couture F,



# Email Improvement

 Bertagnolli M

[Advanced](#) [Create alert](#) [Create RSS](#) [User Guide](#)

Sorted by: Best match  

### Email citations

Subject: Bertagnolli M - PubMed

\* To:

From:

Selection:

Format:

# Email Improvement (cont.)

Bertagnolli M - PubMed



NLM NCBI nobody

To  Sawyer, Amanda (NIH/NLM/NCBI) [C]

[↩ Reply](#) [↩ Reply All](#) [→ Forward](#)

If there are problems with how this message is displayed, click here to view it in a web browser.

This message contains search results from the National Center for Biotechnology Information ([NCBI](#)) at the U.S. National Library of Medicine ([NLM](#)). Do not reply directly to this message

**Sent On:** Mon May 01 16:06:40 2023

**Search:** Bertagnolli M

**From:** [librarian@test.com](mailto:librarian@test.com)

10 selected items

## PubMed Results

Items 1-10 of 10 ([Display the 10 citations in PubMed](#))

1. [Dissecting the multicellular ecosystem of metastatic melanoma by single-cell RNA-seq.](#)

Tirosh I, Izar B, Prakadan SM, Wadsworth MH 2nd, Treacy D, Trombetta JJ, Rotem A, Rodman C, Lian C, Murphy G, Fallahi-Sichani M, Dutton-Regester K, Lin JR, Cohen O, Shah P, Lu D, Genshaft AS, Hughes TK, Ziegler CG, Kazer SW, Gaillard A, Kolb KE, Villani AC, Johannessen CM, Andreev AY, Van Allen EM, Bertagnolli M, Serger DK, Sullivan RJ, Elsherty KT, Frederick DT, Jané-Valbuena I, Yeon CH, Reznikblatt Reson O, Shalek AK, Reggev A, Carraway LA

# Search Results Improvement: Truncating Lengthy Author Lists

6 results

Page 1 of 1

1 Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition)<sup>1</sup>.

Cite Klionsky DJ, Abdel-Aziz AK, Abdelfatah S, Abdellatif M, Abdoli A, Abel S, Abeliovich H, Abildgaard MH, Abudu YP, Acevedo-Arozena A, Adamopoulos IE, Adeli K, Adolph TE, Adornetto A, Aflaki E, Agam G, Agarwal A, Aggarwal BB, Agnello M, Agostinis P, Agrewala JN, Agrotis A, Aguilar PV, Ahmad ST, Ahmed ZM, Ahumada-Castro U, Aits S, Aizawa S, Akkoc Y, Akoumianaki T, Akpınar HA, Al-Abd AM, Al-Akra L, Al-Gharaibeh A, Alaoui-Jamali MA, Alberti S, Alcocer-Gómez E, Alessandri C, Ali M, Alim Al-Bari MA, Aliwaini S, Alizadeh J, Almacellas E, Almasan A, Alonso A, Alonso GD, Altan-Bonnet N, Altieri DC, Álvarez ÉMC, Alves S, Alves da Costa C, Alzaharna MM, Amadio M, Amantini C, Amaral C, Ambrosio S, Amer AO, Ammanathan V, An Z, Andersen SU, Andrabi SA, Andrade-Silva M, Andres AM, Angelini S, Ann D, Anozie UC, Ansari MY, Antas P, Antebi A, Antón Z, Anwar T, Apetoh L, Apostolova N, Araki T, Araki Y, Arasaki K, Araújo WL, Araya J, Arden C, Arévalo MA, Arguelles S, Arias E, Arikath J, Arimoto H, Ariosa AR, Armstrong-James D, Arnauné-Pelloquin L, Aroca A, Arroyo DS, Arsov I, Artero R, Asaro DML, Aschner M, Ashrafizadeh M, Ashur-Fabian O, Atanasov AG, Au AK, Auberger P, Auner HW, Aurelian L, Autelli R...

[See abstract for full author list →](#)

Autophagy. 2021 Jan;17(1):1-382. doi: 10.1080/15548627.2020.1797280. Epub 2021 Feb 8.  
PMID: 33634751 [Free PMC article.](#)

2 Proceedings of the 3rd IPLEiria's International Health Congress : Leiria, Portugal. 6-7 May 2016.

Cite Tomás CC, Oliveira E, Sousa D, Uba-Chupel M, Furtado G, Rocha C, Teixeira A, Ferreira P, Alves C, Gisin S, Catarino E, Carvalho N, Coucelo T, Bonfim L, Silva C, Franco D, González JA, Jardim HG, Silva R, Baixinho CL, Presado M<sup>PH</sup>, Marques M<sup>PF</sup>, Cardoso ME, Cunha M, Mendes J, Xavier A, Galhardo A, Couto M, Frade JG, Nunes C, Mesquita JR, Nascimento MS, Gonçalves G, Castro C, Mártires A, Monteiro M<sup>PJ</sup>, Rainho C, Caballero FP, Monago FM, Guerrero JT, Monago RM, Trigo AP, Gutierrez ML, Milanés GM, Reina MG, Villanueva AG, Piñero AS, Aliseda IR, Ramirez FB, Ribeiro A, Quelhas A, Manso C, Caballero FP, Guerrero JT, Monago FM, Santos RB, Jimenez NR, Nuñez CG, Gomez IR, Fernandez M<sup>PJL</sup>, Marquez LA, Moreno AL, Huertas M<sup>PJT</sup>, Ramirez FB, Seabra D, Salvador M<sup>PC</sup>, Braga L, Parreira P, Salgueiro-Oliveira A, Arreguy-Sena C, Oliveira BF, Henriques M<sup>PA</sup>, Santos J, Lebre S, Marques A, Festas C, Rodrigues S, Ribeiro A, Lumini J, Figueiredo AG, Hernandez-Martinez FJ, Campi L, Quintana-Montesdeoca M<sup>PP</sup>, Jimenez-Diaz JF, Rodriguez-De-Vera BC, Parente A, Mata M<sup>PA</sup>, Pereira AM<sup>P</sup>, Fernandes A, Brás M, Pinto M<sup>PR</sup>, Parreira P, Basto ML, Rei AC, Mónico LM, Sousa G, Morna C, Freitas O, Freitas G, Jardim A, Vasconcelos ...

[See abstract for full author list →](#)

BMC Health Serv Res. 2016 Jul 6;16 Suppl 3(Suppl 3):200. doi: 10.1186/s12913-016-1423-5.  
PMID: 27409075 [Free PMC article.](#)

# Phrase Index Warning & Documentation

PubMed® "psittacine flight" Search

Advanced Create alert Create RSS User Guide

Save Email Send to Sort by: Best match Display options

MY NCBI FILTERS 56 results

RESULTS BY YEAR

1972 2023

TEXT AVAILABILITY

Abstract

**Quoted phrase not found in phrase index: "psittacine flight"**

**Budgerigars adopt robust, but idiosyncra**  
1 Karmaker D, Groening J, Wilson M, Schiffner I, Sriniva  
Cite Sci Rep. 2020 Feb 13;10(1):2535. doi: 10.1038/s41598  
PMID: 32054900 **Free PMC article.**  
Share We have investigated the paths taken by Budgerigar  
nine Budgerigars (*Melopsittacus undulatus*) were rec  
videography of their **flights** in an obstacle-free tunn

**Anticipatory Manoeuvres in Bird Flight.**

## Phrase index

PubMed uses a phrase index to provide phrase searching. To browse the phrase index, use the [Show Index feature](#) included in the [Advanced Search](#) builder: select a search field, enter the beginning of a phrase, and then click Show Index.

## Quoted phrase not found

Phrases may appear in a PubMed record but not be in the phrase index. To search for a phrase that is not found in the phrase index, use a [proximity search](#) with a distance of 0 (e.g., "[cognitive impairment in multiple sclerosis](#)"[tiab:~0]); this will search for the quoted terms appearing next to each other, in any order.

Automated processes regularly add new phrases to the index based on standard criteria such as phrase frequency and length. If you would like to request a phrase be added to the phrase index, please [write to the NLM Help Desk](#).

# PubMed Proximity Searching

"treatment chronic migraine"[ti::~4] × **Search**

[Advanced](#) [Create alert](#) [Create RSS](#) [User Guide](#)

Sort by:

274 results ⏪ < Page  of 28 > ⏩

**Chronic migraine: risk factors, mechanisms and treatment.**  
1 May A. Schulte LH.  
Cite Nat Rev Neurol. 2016 Aug;12(8):455-64. doi: 10.1038/nrneurol.2016.93. Epub 2016 Jul 8.  
PMID: 27389092 [Review](#).  
Share

**Treatment of resistant chronic migraine with anti-CGRP monoclonal antibodies: a systematic review.**  
2 Sevivas H, Fresco P.  
Cite Eur J Med Res. 2022 Jun 4;27(1):86. doi: 10.1186/s40001-022-00716-w.  
Share PMID: 35659086 [Free PMC article](#). [Review](#).

**Current and emerging evidence-based treatment options in chronic migraine: a narrative review.**  
3 Agostoni EC, Barbanti P, Calabresi P, Colombo B, Cortelli P, Frediani F, Geppetti P, Grazi L, Leone M, Martelletti P, Pini LA, Prudenzano MP, Sarchielli P, Tedeschi G, Russo A; Italian chronic migraine group.  
Share J Headache Pain. 2019 Aug 30;20(1):92. doi: 10.1186/s10194-019-1038-4.  
PMID: 31470791 [Free PMC article](#). [Review](#).

**Fremanezumab for the Preventive Treatment of Chronic Migraine.**  
4 Silberstein SD, Dodick DW, Bigal ME, Yeung PP, Goadsby PJ, Blankenbiller T, Grozinski-Wolff M, Yang R, Ma Y, Aycardi E.  
Cite N Engl J Med. 2017 Nov 30;377(22):2113-2122. doi: 10.1056/NEJMoa1709038.  
Share PMID: 29171818 [Free article](#). [Clinical Trial](#).

# PubMed Proximity Searching (cont.-1)


## "search terms"[field:~N]

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

# PubMed Proximity Searching (cont.-2)

"treatment chronic migraine"[ti:~4] × Search

[Advanced](#) [Create alert](#) [Create RSS](#) User Guide

Save Email Send to Sort by: Best match Display options 

274 results « < Page 1 of 28 > »

**Chronic migraine: risk factors, mechanisms and treatment.**  
1 May A. Schulte LH.  
Cite Nat Rev Neurol. 2016 Aug;12(8):455-64. doi: 10.1038/nrneurol.2016.93. Epub 2016 Jul 8.  
PMID: 27389092 [Review](#).  
Share

**Treatment of resistant chronic migraine with anti-CGRP monoclonal antibodies: a systematic review.**  
2 Sevivas H, Fresco P.  
Cite Eur J Med Res. 2022 Jun 4;27(1):86. doi: 10.1186/s40001-022-00716-w.  
Share PMID: 35659086 [Free PMC article](#). [Review](#).

**Current and emerging evidence-based treatment options in chronic migraine: a narrative review.**  
3 Agostoni EC, Barbanti P, Calabresi P, Colombo B, Cortelli P, Frediani F, Geppetti P, Grazi L, Leone M, Martelletti P, Pini LA, Prudenzano MP, Sarchielli P, Tedeschi G, Russo A; Italian chronic migraine group.  
Share J Headache Pain. 2019 Aug 30;20(1):92. doi: 10.1186/s10194-019-1038-4.  
PMID: 31470791 [Free PMC article](#). [Review](#).

**Fremanezumab for the Preventive Treatment of Chronic Migraine.**  
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Cite N Engl J Med. 2017 Nov 30;377(22):2113-2122. doi: 10.1056/NEJMoa1709038.  
Share PMID: 29171818 [Free article](#). [Clinical Trial](#).



# Proximity Search Update: Affiliation Field

## "Hopkins Bloomberg Public"[Affiliation:~45]

1 From the Department of Biostatistics, Bloomberg School of Public Health (J.M., E.M.S., A.E., C.M.C.) and Department of Neurology, Division of Brain Injury Outcomes (N.L.U., D.F.H.), Johns Hopkins Medical Institutions, Baltimore, MD; and Department of Neurosurgery, David Geffen School of Medicine at UCLA (N.M., P.V.)

7 Center for Child and Community Health Research (CCHR), Department of Pediatrics, Johns Hopkins School of Medicine, Johns Hopkins Bayview Medical Center, 5200 Eastern Ave, Mason F Lord Building, Center Tower, Suite 2015, Baltimore, MD, 21224, USA; Department of Epidemiology, Bloomberg School of Public Health, 615 N. Wolfe Street, Suite W6501, Baltimore, MD, 21205, USA.





# 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/quick tours/proximity/index.html>
- **Technical Bulletin Articles:**  
[Proximity Searching Now Available in PubMed](#)  
[Proximity Searching Available in Affiliation Field](#)



# Display Options Update


An official website of the United States government [Here's how you know](#) 

 **National Library of Medicine**  
National Center for Biotechnology Information Log in

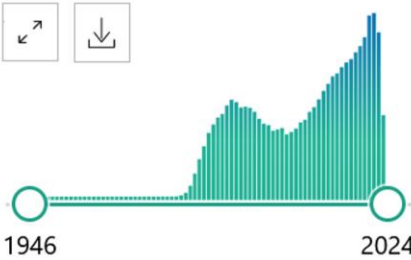
  X Search

[Advanced](#) [Create alert](#) [Create RSS](#) [User Guide](#)

Save Email Send to Sort by: **Best match**  Display options 

MY NCBI FILTERS  336,817 results

RESULTS BY YEAR



1  **Developments in therapy with monoclonal antibodies** 1 of 33,682 > >>

Cite Shepard HM, Phillips GL, D Thanos C, Feldmann M. *Clin Med (Lond)*. 2017 Jun;17(3):220-232. doi: 10.7861/clinmedicine.173220. PMID: 28572223 [Free PMC article](#). [Review](#).

Share **Monoclonal** antibody therapeutics have been approved for over 30 targets and diseases, most commonly cancer. ...Compared with small molecules, **monoclonal antibodies** (mAbs) have exquisite target selectivity and hence less toxicity as a result of binding other t ...

# Upcoming PubMed Development



**Ongoing maintenance and bug fixes**



**Standardizing PubMed alerts**



**Usability review and testing of filter interface**

# Stay Up to Date



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[PubMed New & Noteworthy](#)

[NCBI Insights Blog](#)

# Find Support and Training



- **PubMed User Guide**  
<https://pubmed.ncbi.nlm.nih.gov/help>
- **PubMed Training**  
<https://www.nlm.nih.gov/oet/ed/pubmed/>
- **NNLM Training**  
<https://www.nlm.nih.gov/training>
- **NLM Office Hours**

# 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?

