

Searching the Biomedical Literature Using Library Resources

Marie I. Elias, MLS, AHIP
Associate Librarian
melias@montefiore.org



<https://orcid.org/0000-0001-7710-0307>

Pediatric Subspecialty Fellows
October 4, 2023

Montefiore Einstein

Disclosures

- ✓ No conflict interest
- ✓ No relevant financial relationships with commercial interests to disclose.

Agenda

Resources
and Services

Overview
of PubMed

Highlight some
key features

Demonstrate
some best
practices

Retrieve full-text
articles

Learning Outcomes

- ❖ Identify resources available at MMC & Einstein Library
- ❖ Locate E-resources
 - Online via MMC Intranet
 - Remotely via Citrix and Einstein Library Remote Access
 - On Mobile Devices
- ❖ Identify services provided by MMC Library
- ❖ Maintain awareness of library resources and features
- ❖ Understand how PubMed works
- ❖ Develop efficient PubMed search strategies
- ❖ Retrieve full-text articles

Library Resources

❑ MMC Library


- *e*Montefiore /Clinical Department/Medical Library
- Remote via MMC Portal
- @ secureaccess.montefiore.org

❑ Einstein Library/D. Samuel Gottesman Library

- <https://library.einsteinmed.edu>
- Remotely: <https://library.einsteinmed.edu/login>

MMC Portal Access

<https://secureaccess.montefiore.org>



User name:

Password:










Montefiore



Apps

All (11) Categories



| | | | | | | | | |
|--|---|--|---|--|---|---|---|--|
|  Business Objects |  Epic Current Playground |  Epic Future Playground |  Epic Production |  Intranet |  Intranet IE |  SAP Business Client |  Supplies HQ |  W2K_access |
|--|---|--|---|--|---|---|---|--|

• Montefiore IT
718-920-4554

• EPIC
MMC Intranet

leadership the x Basic Search: Discovery Se x Home - PubMed - NCBI x PubMed Help - NCBI Boo x https://nml.gov/sites/dei x

eds.b.ebscohost.com/eds/search/basic?vid=0&sid=63f423f9-3fe5-4d4d-9176-89b5d863b17d%40pdc-v-sessmgr01

Einstein Remote Access eMontefiore eBooks and Journals Library Catalog Ask-A-Librarian Folder Preferences

Montefiore HEALTH SCIENCES LIBRARY

Searching: **Discovery Service for Montefiore Health Sciences Library**

Keyword Search ?

Search Options > Basic Search Advanced Search PICO Search Search History

Databases

- > ACCESS[®] Medicine
- > ACCESS[®] Anesthesiology
- > CINAHL[®] Complete
- > ClinicalKey[®]
- > EINSTEIN
- > Ovid MEDLINE[®] & Cochrane
- > HighWire
- > Ovid
- > PubMed.gov
- > UpToDate[®]

The Health Sciences Library supports the clinical, research and education needs of the Montefiore Health System



Library Quick Links

- > Library Catalog
- > eBooks & Journals
- > Request a Literature Search
- > Submit an Interlibrary Loan Request
- > Evidence Based Practice Guide
- > Contact Us
- > eMontefiore
- > Location & Hours
- > Library Services & Policies
- > Einstein Library

Search

Journals

Books

Multimedia

My Workspace

Select Resource(s) to search:

- Montefiore Full Text Journals@Ovid
- Montefiore Books@Ovid
- Search Journal Abstracts and Tables of Contents

- EBM Reviews - ACP Journal Club 1991 to May 2020
- EBM Reviews - Cochrane Central Register of Controlled Trials May 2020
- EBM Reviews - Cochrane Database of Systematic Reviews 2005 to June 17, 2020
- EBM Reviews - Cochrane Clinical Answers June 2020
- EBM Reviews - Cochrane Methodology Register 3rd Quarter 2012
- EBM Reviews - Database of Abstracts of Reviews of Effects 1st Quarter 2016
- EBM Reviews - Health Technology Assessment 4th Quarter 2016
- EBM Reviews - NHS Economic Evaluation Database 1st Quarter 2016
- EBM Reviews Full Text - Cochrane DSR, ACP Journal Club, CCA, and DARE
- All EBM Reviews - Cochrane DSR, ACP Journal Club, DARE, CCA, CCTR, CMR, HTA, and NHSEED
- ERIC 1965 to March 2020
- Health and Psychosocial Instruments 1985 to April 2020
- Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) 1946 to June 25,



- Summarizes published evidence and makes specific recommendations for patient care
- Covers more than 7,700 topics in 14 medical specialties
- Drug Interactions – Lexi-Comp
- Links to Medline abstracts
- Patient handouts
- Remote access – via MMC Portal/Citrix or UpToDate.com with username and password
- Access on Mobile devices
- Registration is required





- More than 1,000 medical textbooks
- Over 600 Clinical journal titles
- Peer-reviewed practice guidelines
- Comprehensive drug information
- Patient Education
- More than 47,000 high-quality medical images in Anesthesiology
- Remote access – via MMC Portal/Citrix or Clinicalkey.com/ with username and password
- Mobile devices - Registration required



Sign in to Activate More Features:



Use your Institution's Access sites from anywhere.



Save your favorite content across all Access sites.



Organize your favorites into customizable folders.



Get access to interactive review questions.

[Sign In](#)

[Create a Free Profile](#)

- Access to more than 60 medical titles from the best minds in medicine
- Updated content, thousands of images and illustrations, interactive self-assessment, case files, study tools
- A comprehensive search platform, and the ability to download content to a mobile device
- Remote access – via <http://accessmedicine.mhmedical.com/>
- App: access by McGraw Hill



Access - by McGraw Hill

Learning, your way.

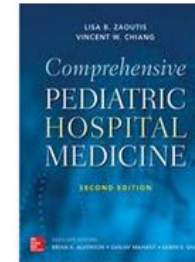
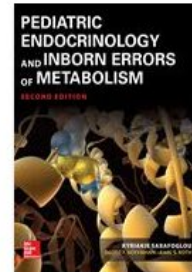
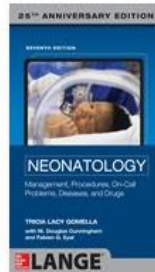
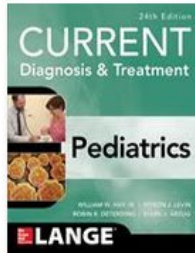
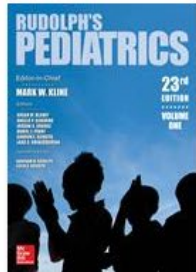
[McGraw-Hill](#)

Designed for iPad

★★★★★ 4.2 • 32 Ratings

Free

Username: montefioremc
Password: Medicine2019



[Browse Books by Topic](#) [Get Alerts ⓘ](#)

AccessPediatrics Channel



ACCESSPEDIATRICS CHANNEL

Full 23rd Edition of Rudolph's Pediatrics Now Available

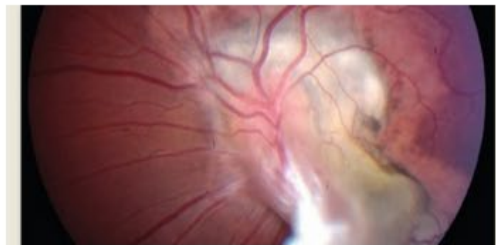
Test Question of the Week



ACCESSPEDIATRICS POP QUIZ

Week 24 Q&A

Image of the Week



ACCESSPEDIATRICS' IMAGE OF THE WEEK

Week 24 Image



Core contents in Anesthesiology

Quick access to Anesthesia guide and guidelines

Tables and figures from Anesthesiology resources

Create a myaccessAnesthesiology account for access to features such as **My Saved Images** and **Bookmarks**.

Download content to a mobile device

Remote access - via MMC Portal/Citrix or

<http://accessanesthesiology.mhmedical.com/>

with username and password



- Comprehensive online surgery resource
- Fully searchable surgical references
- Surgical textbooks
- Instructional videos
- Interactive board review
- Integrated drug database



Sign in to Activate More Features:



Use your Institution's Access sites from anywhere.



Save your favorite content across all Access sites.



Organize your favorites into customizable folders.



Get access to interactive review questions.

[Sign In](#)

[Create a Free Profile](#)

Micromedex

Home Drug Interactions IV Compatibility Drug ID Drug Comparison CareNotes NeoFax® / Pediatrics Other Tools ▾

Search Drug, Disease, Toxicology, and more

All Drug Disease Toxicology

Keyword search

Ask Watson

Search Micromedex drug information

Type a quick question...

Learn more [?](#)

Latest News

- New Metastatic SCLC Treatment
- Uplizna(TM): 2nd NMO SD Therapy
- Oriahnn(TM) for Heavy Menstrual Bleeding
- COVID-19 News
- MDX COVID-19 Resources

Read Top News [▶](#)

Support & Training

- Citing Micromedex
- Clinical Consulting & Services
- Integrated Content Options for MU & More
- Product User Tips & Quick Answers
- Training Center
- User Guide

Support Request [▶](#)

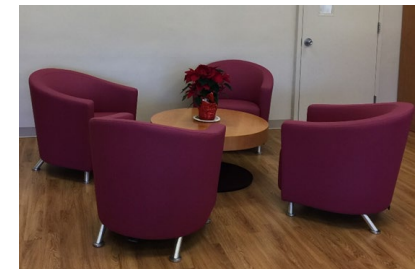
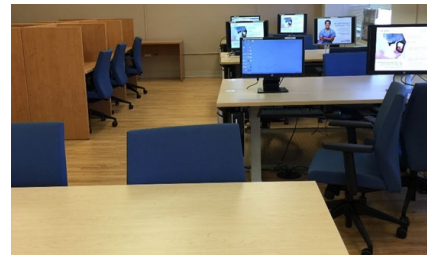
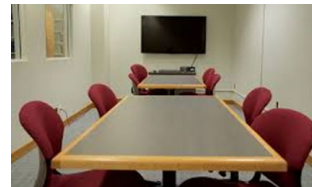
Resources

- Black Box Warnings
- Comparative Tables
- Do Not Confuse Drug List
- Drug Classes
- Drug Consults
- REMS

Download Mobile Apps [↓](#)

Services

- Free Printing
- Free Scan to PDF
- Group study room
- Laptops and iPads
- Desktop with double monitors
- Interlibrary Loan
- Literature Search



[Advanced Search](#)

Home → Clinical Dept → Medical Library Literature Request Form

- Home
- Office of the President and CEO
- Strategic Plan
- Compliance
- Survey Readiness
- Human Resources
- Brand Center
- Ethics and Values
- Events Calendar
- Clinical Communications
- Clinical Resources
- Research & Clinical Trials
- MIDAS Occurrence Reporting
- Self Service Portal
- CHAM Website

- [Epic@Montefiore](#)
- [Downtime Policies, Procedures & Forms](#)
- [MIDAS Occurrence Reporting](#)

Login ID:

Medical Library

Contact:
Sheigla Smalling
ssmallin@montefiore.org

Medical Library Literature Request Form

Montefiore Medical Library Literature Search Request Form

Montefiore Associates may use this form to request a search of the medical literature. Give a complete and concise statement of your request in your own words. Include synonyms, acronyms, or related terms if possible. List recent articles that best describe your topic if you are aware of any.

* Required Fields

Your Information

* First Name:

* Last Name:

Department:

* Phone:

* Email:

Acct. Number:

* Status:

* Describe Request:

Purpose of search: Research Patient Care Publication Grant Proposal Other

Years to be covered:

Languages: All English Only Other, specify

Limitations: Human Animals Review Articles Male Female Age, specify

- #### In this section
- Medical Library
 - Location and Hours
 - Ask a Librarian
 - Medical Library Interlibrary Loan Request
 - Medical Library Literature Request Form
 - LIBRARY SERVICES & POLICIES
 - ONLINE JOURNALS
 - Online Journals J - Z
 - ONLINE BOOKS
 - ONLINE BOOKS I - Z

Interlibrary Loan (ILL) Request Forms

Please enter the information below in order to send an Interlibrary Loan request to your library administrator. The request will be sent via e-mail.

| | |
|-----------------|--|
| *First Name | <input type="text"/> |
| *Last Name | <input type="text"/> |
| *Library Card # | <input type="text"/> |
| Department | <input type="text"/> |
| *Address | <input type="text"/> |
| *E-mail Address | <input type="text"/> |
| *Phone | <input type="text"/> |
| Date Needed | <input type="text"/> <i>Format: mm/dd/yyyy</i> |
| Comments | <input type="text"/> |

* Indicates required field.

Item Details

| | |
|----------------------------|--|
| Title | <input type="text" value="Isolated proximal tibiofemoral joint arthritis in a patient with juvenile idiopathic arthritis. A case re"/> |
| Author | <input type="text" value="Wakabayashi H, Nakamura T, Nishimura A, Hagi T, Hasegawa M, Sudo A"/> |
| Source | <input type="text" value="Modern rheumatology"/> |
| Date | <input type="text" value="2018-01-01"/> |
| ISSN | <input type="text" value="14397595"/> |
| ISBN | <input type="text"/> |
| Series or Collection Title | <input type="text"/> |
| Volume | <input type="text" value="28"/> |
| Issue | <input type="text" value="1"/> |
| Start Page | <input type="text" value="203-206"/> |

Medical Library

Contact:
Sheila Smalling
ssmallin@montefiore.org

Medical Library Interlibrary Loan Request

Montefiore Medical Library Interlibrary Loan Request

Montefiore Associates may use this form to request journal articles, books and audiovisual materials not owned by the MMC Medical Library. This service is available to registered Library users only. **Your 10-digit Library barcode is required to submit this form.**

**** No more than 20 requests per month ****

* Required Fields

Your Information

| | |
|-----------------|----------------------|
| * Name: | <input type="text"/> |
| * Phone: | <input type="text"/> |
| E-Mail: | <input type="text"/> |
| * Dept / Room: | <input type="text"/> |
| * Lib. Barcode: | <input type="text"/> |

Journal Requests

| | |
|------------------|----------------------|
| * Journal: | <input type="text"/> |
| * Author: | <input type="text"/> |
| * Article Title: | <input type="text"/> |
| * Volume: | <input type="text"/> |
| PMID: | <input type="text"/> |
| Issue/No.: | <input type="text"/> |
| Month: | <input type="text"/> |
| * Year: | <input type="text"/> |
| * Page: | <input type="text"/> |

Book Requests

| | |
|-----------------|----------------------|
| * Book Author: | <input type="text"/> |
| * Book Title: | <input type="text"/> |
| Chapter Author: | <input type="text"/> |
| Chapter Title: | <input type="text"/> |
| Chapter Pages: | <input type="text"/> |
| Publisher: | <input type="text"/> |

In this section

- ▶ Medical Library
- ▶ Location and Hours
- ▶ Ask a Librarian
- ▶ Medical Library Interlibrary Loan Request
- ▶ Medical Library Literature Request Form
- ▶ LIBRARY SERVICES & POLICIES
- ▶ ONLINE JOURNALS
 - ▶ Online Journals J - Z
- ▶ ONLINE BOOKS
 - ▶ ONLINE BOOKS 1 - Z

Library Catalog

EINSTEIN

Albert Einstein College of Medicine
OF YESHIVA UNIVERSITY

The Libraries of Albert Einstein College of Medicine & Montefiore Medical Center

Montefiore
THE UNIVERSITY HOSPITAL FOR
ALBERT EINSTEIN COLLEGE OF MEDICINE



TITLE ▼

New England journal of Medicine

Einstein and Montefiore ▼

System Sorted ▼

Search

Limit search to available items

(Search History) ▼

Result page:

◀ Previous

Record 3 of 3

Next ▶

Title New England journal of medicine [electronic resource]

Publication Info. Boston : Massachusetts Medical Society.

Connect to
[EINSTEIN: Full-text from 1928](#)
[MMC: Full-text from 1993](#)

About Resource


Library Registration



https://einsteinmed.co1.qualtrics.com/jfe/form/SV_e9i0MoLx38aMGWi



Remote Login – <https://elibrary.einsteinmed.edu/login>



The screenshot shows the Einstein Library website. At the top left is the Einstein logo and the text "EINSTEIN Albert Einstein College of Medicine". To the right is "D. Samuel Gottesman Library". Below this is a "HOME" link. The main content area is titled "LOG ON TO REMOTE ACCESS" and contains a login form with fields for "User ID" (containing "2800010977") and "Password" (containing "*****"), and a "Login" button. Below the form is a link for "Learn more about Remote Access". At the bottom, there is contact information for the D. Samuel Gottesman Library, including the address "1300 Morris Park Avenue Bronx, NY 10461-1924", phone number "718.430.3108", fax number "718.430.8795", and email "askref@einsteinmed.org". A copyright notice "© 2018 Albert Einstein College of Medicine" is at the very bottom.

EINSTEIN
Albert Einstein College of Medicine

D. Samuel Gottesman Library

HOME

LOG ON TO REMOTE ACCESS

User ID: 2800010977
Password: *****
[Login](#)

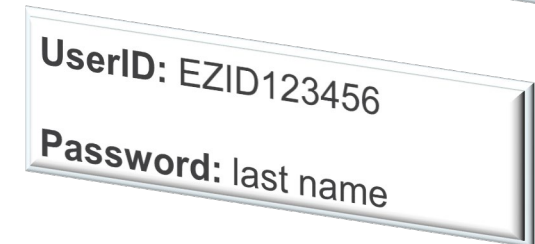
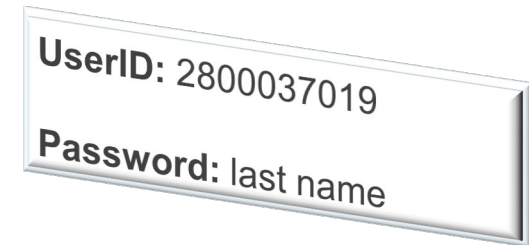
For more information and instructions, visit the [Remote Access FAQs](#) or contact the Reference Department at askref@einsteinmed.org or 718.430.3104.

[Learn more about Remote Access](#)

FIND | RESEARCH | SERVICES | ABOUT THE LIBRARY

D. Samuel Gottesman Library
Albert Einstein College of Medicine
Jack and Pearl Resnick Campus
1300 Morris Park Avenue Bronx, NY 10461-1924
Phone: 718.430.3108 - Fax: 718.430.8795
askref@einsteinmed.org

© 2018 Albert Einstein College of Medicine



Temporary Remote Login <https://elibrary.einsteinmed.edu/login>



D. Samuel Gottesman Library

Albert Einstein College of Medicine

HOME

LOG ON TO REMOTE ACCESS

UserID:
Password:

For more information and instructions, visit the [Remote Access FAQs](#) or contact the Reference Department at askref@einsteinmed.org or 718.430.3104.

[Learn more about Remote Access](#)

[FIND](#) | [RESEARCH](#) | [SERVICES](#) | [ABOUT THE LIBRARY](#)

D. Samuel Gottesman Library
Albert Einstein College of Medicine
Jack and Pearl Resnick Campus
1300 Morris Park Avenue Bronx, NY 10461-1924
Phone: 718.430.3108 - **Fax:** 718.430.8795
askref@einsteinmed.org

© 2018 Albert Einstein College of Medicine

UserID
mmctemp1
or 2
or 3
or 4
Password: river2023

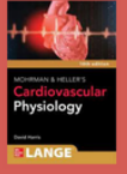
Q Quick Search

PubMed PMID/DOI Lookup Books, Databases & Journals eJournals This Site

Search [PubMed](#) for full text articles

**MOHRMAN AND HELLER'S
CARDIOVASCULAR
PHYSIOLOGY, 10TH ED. / BY
DAVID M. HARRIS**

New Book



Research Resources

Databases Journals Guides Citation Tools

- BioCyc: Genome Database Collection
- Clinical Key

Upcoming Library Workshops

- EndNote: Getting Started**
10:00am - 11:30am Tuesday, July 18, 2023
- Covidence**
3:00pm - 4:00pm Thursday, July 20, 2023
- Mendeley: Getting Started**
10:00am - 11:00am Wednesday, August 16, 2023
- EndNote: Getting Started**
10:00am - 11:30am Thursday, August 24, 2023
- Mendeley: Getting Started**
10:00am - 11:00am Wednesday, September 13, 2023

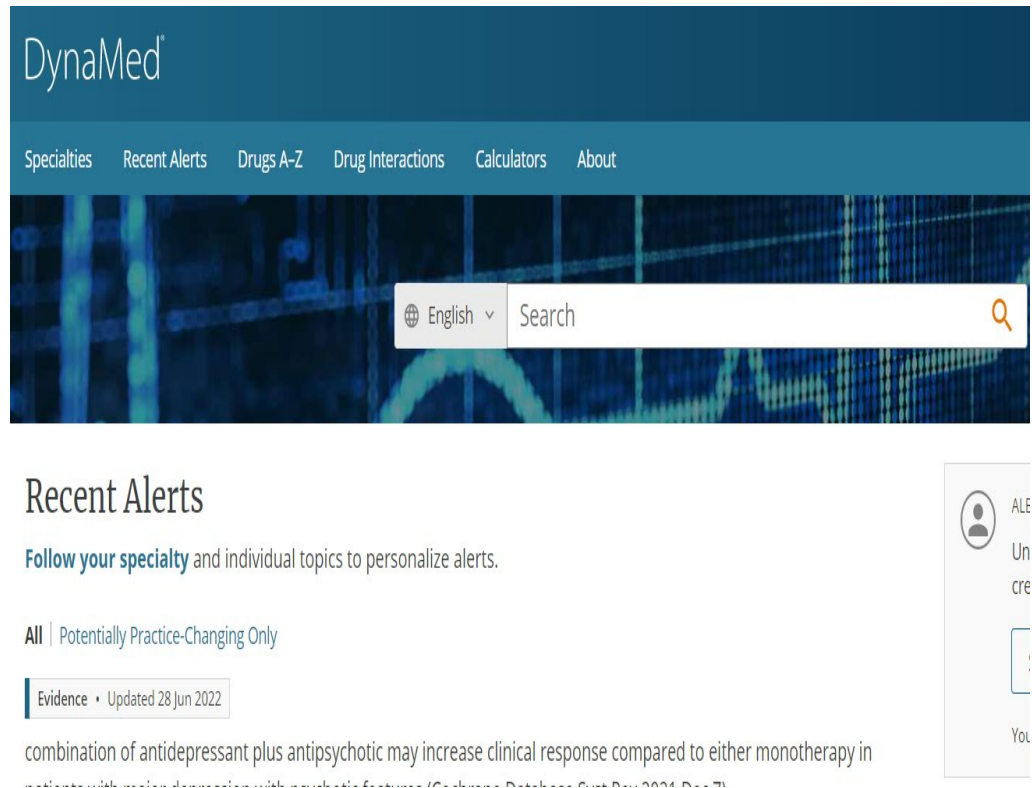
Workshops are held via Zoom. Registration is required. Contact the



Albert Einstein College of Medicine

- Evidence-based Clinical Tools:
 - Dynamed, uCentral
 - 5-Minute Clinical Consult
 - Harriet Lane Handbook
 - Johns Hopkins ABX Guide
 - Washington Manual of Medical Therapeutics
- Research Databases: Embase, Web of Science, PsycInfo
- Bibliographic Management Databases:
 - Endnote, Refworks
- Registration required
- Inquiries: askreference@montefiore.org

- Evidence-based
- Point of care
- Like UpToDate
- Includes images
- Mobile app available



The screenshot shows the DynaMed website interface. At the top, the DynaMed logo is displayed in white on a dark blue background. Below the logo is a navigation menu with links for Specialties, Recent Alerts, Drugs A-Z, Drug Interactions, Calculators, and About. A search bar is located on the right side of the page, featuring a globe icon, a dropdown menu for language (set to English), and a search button. The main content area is titled "Recent Alerts" and includes a sub-header "Follow your specialty and individual topics to personalize alerts." Below this, there is a filter for "All | Potentially Practice-Changing Only" and a tag for "Evidence • Updated 28 Jun 2022". The main text of the alert begins with "combination of antidepressant plus antipsychotic may increase clinical response compared to either monotherapy in patients with major depressive with psychotic features (Cochrane Database Syst Rev 2021; Doi: 10.1002/14695068.1487147)."



APA PsycInfo

APA PsycArticles

APA PsycBooks

APA PsycTests

APA PsycTherapy

Select ALL

Behavioral & social sciences

Journal articles, books, book chapters, dissertations

2,500+ journals

Some overlap with PubMed

Embase[®]

- “European Index Medicus”
- International biomedical literature
- 8,300+ journals
- Full-text indexing of drug, disease and medical device data
- Emtree thesaurus (similar to MeSH)
- Overlaps with PubMed
 - Can eliminate Medline results
- Includes conference papers

Web of Science



Web of Science will undergo scheduled maintenance from April 29, 2021 at 11:00 GMT to April 29, 2021 at 20:00 GMT. During this time, access may be intermittent. We apologize for any inconvenience.

75% of researchers recommend the new Web of Science!

CHECK IT OUT

Select a database

Web of Science Core Collection

Basic Search Author Search^{BETA} Cited Reference Search Advanced Search

Example: oil spill* mediterranean



Topic



Search

Search tips

+ Add row | Reset

Timespan

All years (1985 - 2021)

More settings

Web of Science Core Collection: Citation Indexes

- Science Citation Index Expanded (SCI-EXPANDED) --1985-present
- Social Sciences Citation Index (SSCI) --1985-present

Data last updated: 2021-04-27

Auto-suggest publication names

(The Autosuggest service is not available.)

Default Number of Search Fields to Display

1 field (Topic)

Jacobi Medical Center

Due to licensing restrictions, Jacobi users must access UpToDate through the Jacobi Intranet.

Jamaica Hospital

Due to licensing restrictions, UpToDate is not available.

Jamaica Hospital users should contact the Jamaica Hospital Medical Library at 718 206-8450 or cdavis@jhmc.org for more information.

Montefiore Medical Center

Montefiore associates should access this resource from the **E-Montefiore Intranet** page or remotely through **Citrix**. Be sure to close the Einstein web page. Contact the Health Sciences Library at 718.920.4666 or askreference@montefiore.org.

St. Barnabas Hospital

St. Barnabas associates should access **ClinicalKey** and **Access Medicine & Access Pediatrics** through the St. Barnabas Library. Due to licensing restrictions, physicians do not have access to **UpToDate**. Contact the St. Barnabas Library at 718.960.6113 or stbmedlib@sbhny.org for more information.

Other Library Support

- ❖ Database Training Sessions
- ❖ One-on-one Consultations

Held Monday – Friday
10:am and 2:00pm

Moses Research Pavilion, Second Floor

Please contact Marie Elias
@ 718-920-2310

Or askreference@montefiore.org

Join our Health Sciences Li  Group on
Yammer



A service of the National Library of Medicine
and the National Institutes of Health

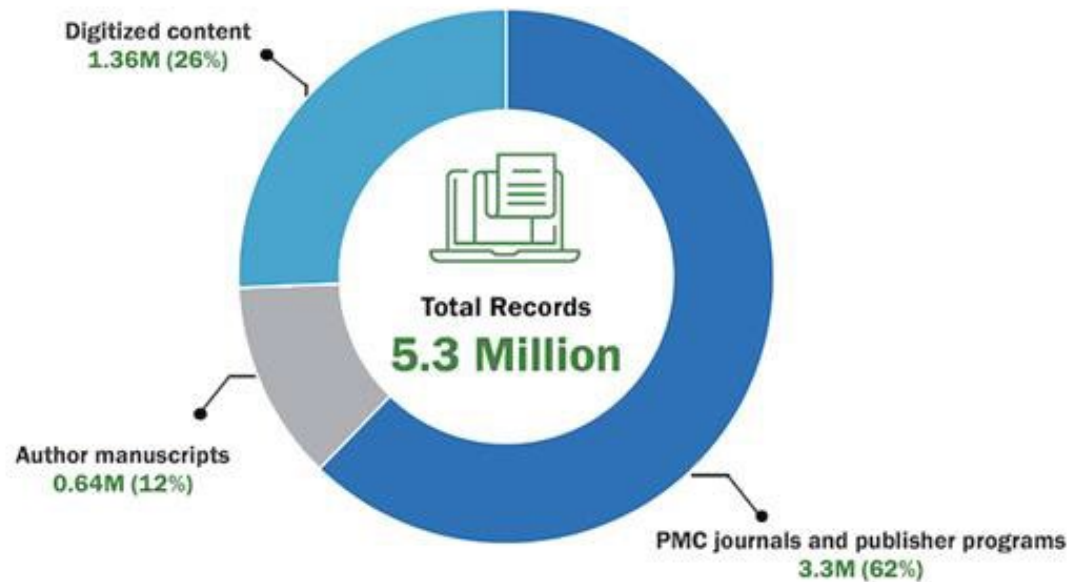
Montefiore Einstein

WHAT IS PUBMED?



- PubMed is a database of over 30 million citations to published biomedical literature
- Most citations are for English-language articles and include abstracts
- Citations with title in brackets indicate full-text are in a foreign language
- About 23% of the citations in PubMed link to free full text
- Other full-text articles are available from the publisher





Over 5 Million archived articles



Montefiore
HEALTH SCIENCES LIBRARY

Searching: **Discovery Service for Montefiore Health Sciences Library**

Keyword

[Search Options](#) | [Basic Search](#) | [Advanced Search](#) | [PICO Search](#) | [Search History](#)

Databases

- > [Access Medicine](#)
- > [Access Surgery](#)
- > [Access Anesthesiology](#)
- > [CINAHL Complete](#)
- > [ClinicalKey](#)
- > [EINSTEIN](#)
- > [Ovid MEDLINE & Cochrane](#)
- > [HighWire](#)
- > [PubMed.gov](#)
- > [UpToDate](#)

The Health Sciences Library supports the clinical, research and education needs of the Montefiore Health System



Library Quick Links

- > [Library Catalog](#)
- > [eBooks & Journals](#)
- > [Request a Literature Search](#)
- > [Submit an Interlibrary Loan Request](#)
- > [Evidence Based Practice Guide](#)
- > [Contact Us](#)
- > [eMontefiore](#)
- > [Location & Hours](#)
- > [Library Services & Policies](#)
- > [Einstein Library](#)

Montefiore

D. Samuel Gottesman
LIBRARY
Albert Einstein College of Medicine

[HOME](#) | [Databases, Journals & Books](#) | [Research Resources](#) | [Services & Help](#) | [About Us](#)

Q Quick Search

PubMed | [PMID/DOI Lookup](#) | [Books, Databases & Journals](#) | [eJournals](#)

Search [PubMed](#) for full text articles

STARTING A NEW RESEARCH PROJECT?

NEW

SAGE researchmethods

Use the Project Planner to navigate your research project

Find out more >>

NEW

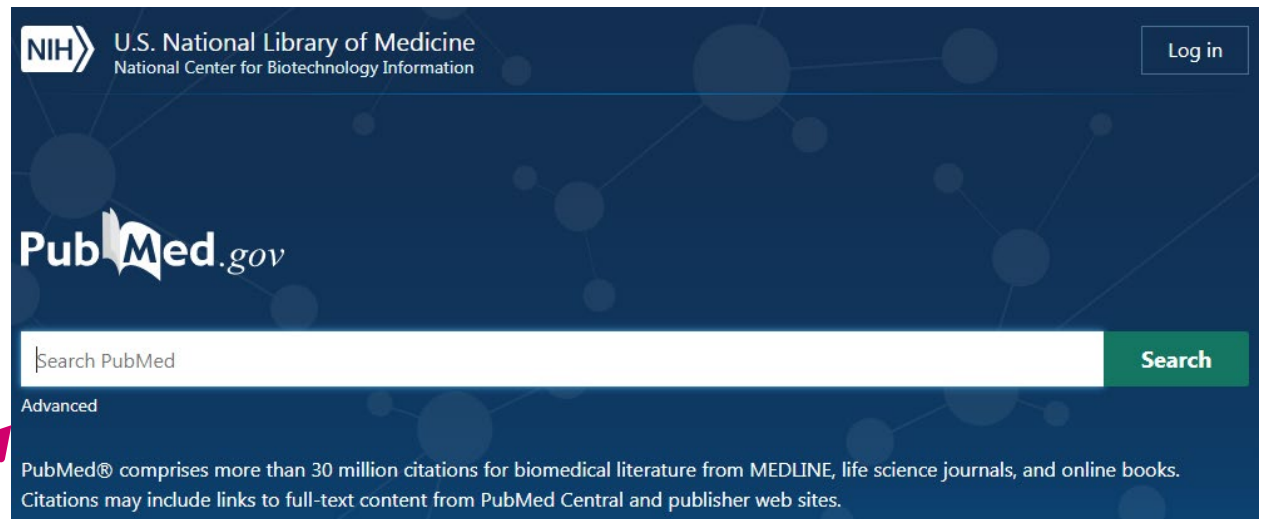
Research Resources

Databases | [Journals](#) | [Guides](#) | [Citation Tools](#)

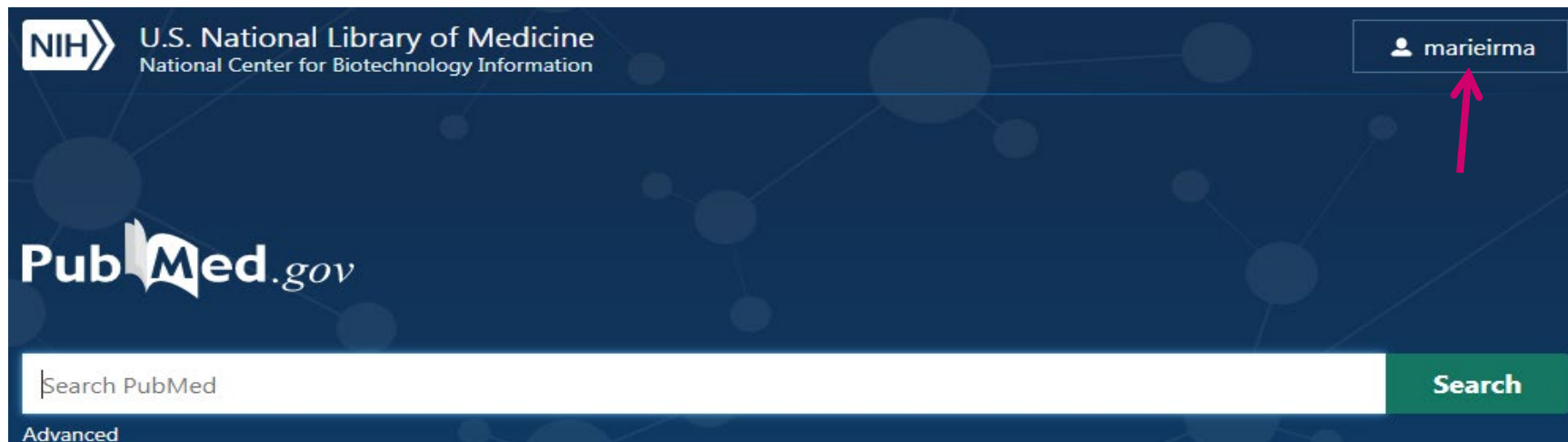
Einstein Library

KEY FEATURES

- Advanced search
- Search details
- Downloadable search history
- Save and email results
- Outside Tool icons
- My NCBI custom filters
- Links from MeSH terms
- Results-by-year graph



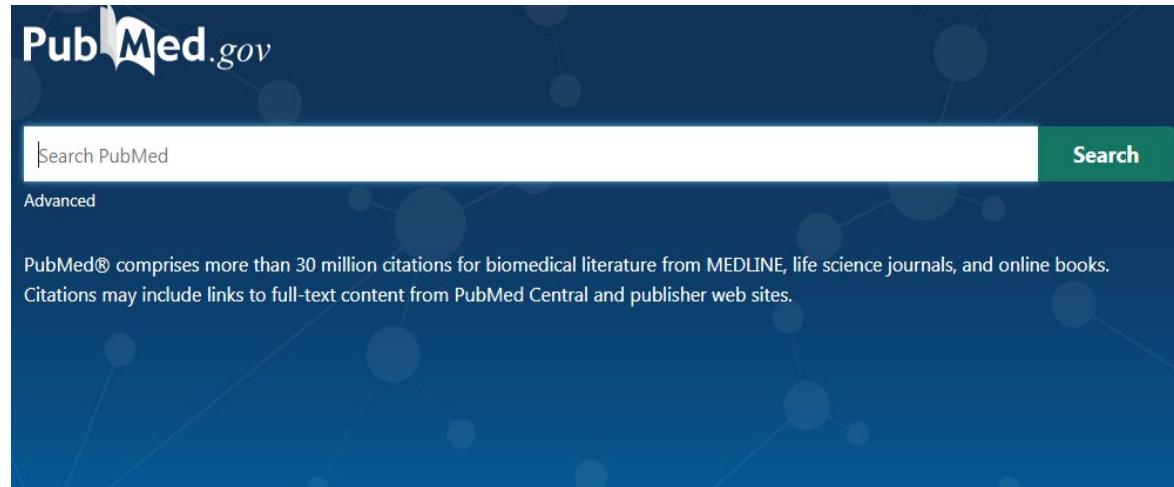
PubMed Best Practices



- Login
- Enter your search terms into the search box
- Be specific
- Search tags or Boolean operators
- Quotation marks
- Let the citation sensor work for you!

Searches

- Simple keywords
- Subject/MeSH
- Author
- Known Items from a citation



Learn

[About PubMed](#)
[FAQs & User Guide](#)
[Finding Full Text](#)



Find

[Advanced Search](#)
[Clinical Queries](#)
[Single Citation Matcher](#)



Download

[E-utilities API](#)
[FTP](#)
[Batch Citation Matcher](#)



Explore

[MeSH Database](#)
[Journals](#)

Topic Search: congenital hypothyroidism



congenital hypothyroidism



Search

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

[User Guide](#)

Save

Email

Send to

Sort by:

Best match



Display options

MY NCBI FILTERS

7,132 results

Page 1 of 357

All (7,132)

English (5,670)

Free Full Text (1,776)

Montefiore Medical Center (0)

Montefiore Medical Center (0)

— show fewer

1

Review

> Clin Perinatol. 2018 Mar;45(1):1-18. doi: 10.1016/j.clp.2017.10.004.

Congenital Hypothyroidism

Ari I Wassner ¹

Be as specific as possible

No punctuation or tags necessary

Subject Search Medical Subject Heading/MESH

- Controlled vocabulary terms
- Hierarchical structure from broad to specific
- Build a search strategy with one concept at a time

MeSH
[Create alert](#) [Limits](#) [Advanced](#)

Summary ▾

Send to: ▾

Search results

Items: 4

- Congenital Hypothyroidism**
 1. A condition in infancy or early childhood due to an in-utero deficiency of THYROID HORMONES that can be caused by genetic or environmental factors, such as thyroid dysgenesis or HYPOTHYROIDISM in infants of mothers treated with THIOURACIL during pregnancy. Endemic cretinism is the result of iodine deficiency. Clinical symptoms include severe MENTAL RETARDATION, impaired skeletal development, short stature, and MYXEDEMA.
Year introduced: 2006 (1966)
- [Hypothyroidism, Congenital, Nongoitrous, 3 \[Supplementary Concept\]](#)
 2. Date introduced: August 24, 2012
- [Choreoathetosis, Hypothyroidism, And Neonatal Respiratory Distress \[Supplementary Concept\]](#)
 3. associated with mutation of thyroid transcription factor 1 gene NKX2
Date introduced: August 24, 2012
- [Diabetes Mellitus, Neonatal, with Congenital Hypothyroidism \[Supplementary Concept\]](#)
 4. Date introduced: November 5, 2012

Subject Search Medical Subject Heading/MESH

Congenital Hypothyroidism

A condition in infancy or early childhood due to an in-utero deficiency of THYROID HORMONES that can be caused by genetic or environmental factors, such as thyroid dysgenesis or HYPOTHYROIDISM in infants of mothers treated with THIOURACIL during pregnancy. Endemic cretinism is the result of iodine deficiency. Clinical symptoms include severe MENTAL RETARDATION, impaired skeletal development, short stature, and MYXEDEMA.

Year introduced: 2006 (1966)

PubMed search builder options

[Subheadings:](#)

- | | | |
|--|---------------------------------------|---|
| <input type="checkbox"/> blood | <input type="checkbox"/> epidemiology | <input type="checkbox"/> pathology |
| <input type="checkbox"/> cerebrospinal fluid | <input type="checkbox"/> ethnology | <input type="checkbox"/> physiopathology |
| <input type="checkbox"/> chemically induced | <input type="checkbox"/> etiology | <input type="checkbox"/> prevention and control |
| <input type="checkbox"/> classification | <input type="checkbox"/> genetics | <input type="checkbox"/> psychology |
| <input type="checkbox"/> complications | <input type="checkbox"/> history | <input type="checkbox"/> radiotherapy |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> immunology | <input type="checkbox"/> rehabilitation |
| <input type="checkbox"/> diagnostic imaging | <input type="checkbox"/> metabolism | <input type="checkbox"/> surgery |
| <input type="checkbox"/> diet therapy | <input type="checkbox"/> microbiology | <input type="checkbox"/> therapy |
| <input type="checkbox"/> drug therapy | <input type="checkbox"/> mortality | <input type="checkbox"/> urine |
| <input type="checkbox"/> economics | <input type="checkbox"/> nursing | <input type="checkbox"/> veterinary |
| <input type="checkbox"/> embryology | <input type="checkbox"/> parasitology | <input type="checkbox"/> virology |
| <input type="checkbox"/> enzymology | | |

Restrict to MeSH Major Topic.

Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): C05.116.099.343.347, C05.116.132.256, C16.320.240.625, C19.297.155, C19.874.482.281

MeSH Unique ID: D003409

Entry Terms:

- Hypothyroidism, Congenital
- Cretinism
- Endemic Cretinism
- Cretinism, Endemic
- Fetal Iodine Deficiency Disorder
- Myxedema, Congenital

PubMed Search Builder

("Congenital Hypothyroidism"[Mesh])

Add to search builder AND ▾

Search PubMed

[YouTube](#) [Tutorial](#)

Related information

[PubMed](#)

[PubMed - Major Topic](#)

[Clinical Queries](#)

[NLM MeSH Browser](#)

[MedGen](#)

Recent Activity

[Turn Off](#) [Clear](#)

- Congenital Hypothyroidism MeSH
- congenital hypothyroidism (4) MeSH
- COVID-19 MeSH
- covid-19 (204) MeSH
- Coronavirus MeSH

[See more...](#)

Build Efficient Search Strategy with entry terms in MeSH

Entry Terms:

- Hypothyroidism, Congenital
- Cretinism
- Endemic Cretinism
- Cretinism, Endemic
- Fetal Iodine Deficiency Disorder
- Myxedema, Congenital

Entry terms:

Thyroxine [mesh]
L-Thyroxine
L Thyroxine
Levothyroxine Sodium
Sodium Levothyroxine

Search strategy

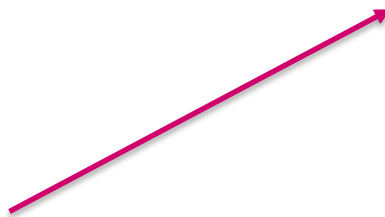
("congenital hypothyroidism"[mesh] OR "Hypothyroidism, Congenital"[tiab] OR "Cretinism"[tiab] OR "Endemic Cretinism"[tiab] OR "Cretinism, Endemic" [tiab] OR "Fetal Iodine Deficiency Disorder" [tiab] OR "Myxedema, Congenital"[tiab])

AND

("Thyroxine"[mesh] OR "L-Thyroxine"[tiab] OR "L Thyroxine"[tiab] OR "Levothyroxine Sodium"[tiab] OR "Sodium Levothyroxine"[tiab])

Results Page

- Result by Year graph
- Save, Email, Send to
- Display Best match by default
- Abstract
- Filters
- Advanced search
- Create alert
- Cite and Share



PubMed®

("Congenital Hypothyroidism"[Mesh]) AND "Thyroxine"[Mesh]

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

Sort by:

MY NCBI FILTERS

All (1,251)
[English \(1,042\)](#)
[Free Full Text \(226\)](#)
[Montefiore Medical Center \(0\)](#)
[Montefiore Medical Center \(0\)](#)
[— show fewer](#)

RESULTS BY YEAR

1952 2023

TEXT AVAILABILITY

Abstract
 Free full text
 Full text

ARTICLE ATTRIBUTES

1,251 results Page of 63

Dynamic Screening of Thyroid Function for the Timely Diagnosis of Congenital Hypothyroidism in Very Preterm Infants: A Prospective Multicenter Cohort Study.
1
Cite Shi R, Jiang J, Wang B, Liu F, Liu X, Yang D, Li Z, He H, Sun X, Liu Q, Li H, He J, Yu J, Zhang M, Reddy S, Yu Y, Zhao J.
Share Thyroid. 2023 Sep;33(9):1055-1063. doi: 10.1089/thy.2023.0100. Epub 2023 Aug 11. PMID: 37566523

Hepatomegaly and fatty liver disease secondary to central hypothyroidism in combination with macrosomia as initial presentation of IGSF1 deficiency syndrome.
2
Cite Nikolaou M, Vasilakis IA, Marinakis NM, Tilemis FN, Zellos A, Lykopoulou E, Traeger-Synodinos J, Kanakantzenbein C.
Share Hormones (Athens). 2023 Sep;22(3):515-520. doi: 10.1007/s42000-023-00468-0. Epub 2023 Jul 26. PMID: 37493943 Review.

Neonatal screening for primary and central congenital hypothyroidism: is it time to go Dutch?
3
Cite Boelen A, Zwaveling-Soonawala N, Heijboer AC, van Trotsenburg ASP.
Share Eur Thyroid J. 2023 Jul 27;12(4):e230041. doi: 10.1530/ETJ-23-0041. PMID: 37326450 **Free PMC article.** Review.

Save and Email Results

("Congenital Hypothyroidism"[Mesh]) AND "Thyroxine"[Mesh]



Search

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

[User Guide](#)

Save

Email

Send to

Sort by: Most recent



Display options

1,251 results 4 items selected × Clear selection



Page

1

of 63



1 [Dynamic Screening of Thyroid Function for the Timely Diagnosis of Congenital Hypothyroidism in Very Preterm Infants: A Prospective Multicenter Cohort Study.](#)

Cite

Shi R, Jiang J, Wang B, Liu F, Liu X, Yang D, Li Z, He H, Sun X, Liu Q, Li H, He J, Yu J, Zhang M, Reddy S, Yu Y, Zhao J.

Share

Thyroid. 2023 Sep;33(9):1055-1063. doi: 10.1089/thy.2023.0100. Epub 2023 Aug 11.
PMID: 37566523



2 [Hepatomegaly and fatty liver disease secondary to central hypothyroidism in combination with macrosomia as initial presentation of IGSF1 deficiency syndrome.](#)

Cite

Nikolaou M, Vasilakis IA, Marinakis NM, Tilemis FN, Zellos A, Lykopoulou E, Traeger-Synodinos J, Kanaka-Gantenbein C.

Share

Hormones (Athens). 2023 Sep;22(3):515-520. doi: 10.1007/s42000-023-00468-0. Epub 2023 Jul 26.
PMID: 37493943 Review.



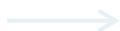
3 [Neonatal screening for primary and central congenital hypothyroidism: is it time to go Dutch?](#)

Cite

Boelen A, Zwaveling-Soonawala N, Heijboer AC, van Trotsenburg ASP.

Share

Eur Thyroid J. 2023 Jul 27;12(4):e230041. doi: 10.1530/ETJ-23-0041.
PMID: 37326450 [Free PMC article.](#) Review.



4 [Neonatal screening for congenital hypothyroidism in Sweden 1980-2013: effects of lowering the thyroid-stimulating hormone threshold.](#)

More Actions

Sort by:


- Most recent
- Best Match
- Abstract

Send to:

- Clipboard
- My Bibliography
- Collections

The screenshot shows a search results page for "Coronavirus"[Mesh]. At the top, it says "Sorted by: Best match" with a gear icon. Below this is a "DISPLAY OPTIONS" panel with "Format" set to "Summary" (with "Abstract" as an alternative), "Sort by" set to "Best match", and "Per page" set to "10". Below the panel is a search bar containing "Coronavirus"[Mesh] and a "Search" button. Under the search bar are links for "Advanced", "Create alert", "Create RSS", "Clipboard", and "User Guide". Below the search bar is a row of buttons: "Save", "Email", "Send to", "Sorted by: Most recent", and "Display options". The "Send to" button is highlighted with a blue box, and a dropdown menu is open below it, showing options: "Clipboard", "My Bibliography", "Collections", and "Citation manager". The dropdown menu also includes a "Clear selection" link. Below the dropdown menu, the first search result is visible: "Description of the Dynamics of Coronavirus Disease 2019 Study of Brazil." with a checkbox, a "1" next to it, and "Cite" and "Share" links. The second search result is "Long COVID: let patients help define long-lasting COVID symptoms." with a checked checkbox, a "2" next to it, and "Cite" and "Share" links. The "Cite" link for the second result shows "Nature. 2020 Oct;586(7828):170. doi: 10.1038/d41586-020-02796-2. PMID: 33029005 No abstract available."

Filters

MYNCBI FILTERS 

All (2,690)

English (2,599)

Humans (1,930)

Montefiore Medical Center (0)

— show fewer

- Select additional filters
- Select a category
- Check desired filters
- Click “Show”

ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

AGE

- | | |
|---|--|
| <input type="checkbox"/> Address | <input type="checkbox"/> Journal Article |
| <input type="checkbox"/> Autobiography | <input type="checkbox"/> Lecture |
| <input type="checkbox"/> Bibliography | <input type="checkbox"/> Legal Case |
| <input type="checkbox"/> Biography | <input type="checkbox"/> Legislation |
| <input checked="" type="checkbox"/> Case Reports | <input type="checkbox"/> Letter |
| <input type="checkbox"/> Classical Article | <input type="checkbox"/> Multicenter Study |
| <input type="checkbox"/> Clinical Conference | <input type="checkbox"/> News |
| <input checked="" type="checkbox"/> Clinical Study | <input type="checkbox"/> Newspaper Article |
| <input type="checkbox"/> Clinical Trial Protocol | <input checked="" type="checkbox"/> Observational Study |
| <input type="checkbox"/> Clinical Trial, Phase I | <input type="checkbox"/> Observational Study, Veterinary |
| <input type="checkbox"/> Clinical Trial, Phase II | <input type="checkbox"/> Overall |
| <input type="checkbox"/> Clinical Trial, Phase III | <input type="checkbox"/> Patient Education Handout |
| <input type="checkbox"/> Clinical Trial, Phase IV | <input type="checkbox"/> Periodical Index |
| <input type="checkbox"/> Clinical Trial, Veterinary | <input type="checkbox"/> Personal Narrative |

Display Abstract

Guideline > Pediatrics. 1993 Jun;91(6):1203-9.

American Academy of Pediatrics AAP Section on Endocrinology and Committee on Genetics, and American Thyroid Association Committee on Public Health: Newborn screening for congenital hypothyroidism: recommended guidelines

No authors listed

PMID: 8502532

No abstract available

“ Cited by 25 articles

SUPPLEMENTARY INFO

Publication types, MeSH terms, Substances + expand

FULL TEXT LINKS

Einstein Library Montefiore



Practice Guideline

J Clin Endocrinol Metab. 2014 Feb;99(2):363-84. doi: 10.1210/jc.2013-1891. Epub 2014 Jan 21.

European Society for Paediatric Endocrinology consensus guidelines on screening, diagnosis, and management of congenital hypothyroidism

Juliane Léger¹, Antonella Olivieri, Malcolm Donaldson, Toni Torresani, Heiko Krude, Guy van Vliet, Michel Polak, Gary Butler; ESPE-PES-SLEP-JSPE-APEG-APPES-ISPAAE; Congenital Hypothyroidism Consensus Conference Group

Collaborators, Affiliations + expand

PMID: 24446653 PMCID: PMC4207909 DOI: 10.1210/jc.2013-1891

Free PMC article

Abstract

Objective: The aim was to formulate practice guidelines for the diagnosis and management of congenital hypothyroidism (CH).

Evidence: A systematic literature search was conducted to identify key articles relating to the screening, diagnosis, and management of CH. The evidence-based guidelines were developed with the Grading of Recommendations, Assessment, Development and Evaluation (GRADE) system, describing both the strength of recommendations and the quality of evidence. In the absence of sufficient evidence, conclusions were based on expert opinion.

Consensus process: Thirty-two participants drawn from the European Society for Paediatric Endocrinology and five other major scientific societies in the field of pediatric endocrinology were allocated to working groups with assigned topics and specific questions. Each group searched the literature, evaluated the evidence, and developed a draft document. These papers were debated and finalized by each group before presentation to the full assembly for further discussion and agreement.

Recommendations: The recommendations include: worldwide neonatal screening, approaches to assess the cause (including genotyping) and the severity of the disorder, the immediate initiation of appropriate L-T4 supplementation and frequent monitoring to ensure dose adjustments to keep thyroid hormone levels in the target ranges, a trial of treatment in patients suspected of transient CH, regular assessments of developmental and neurosensory functions, consulting health professionals as appropriate, and education about CH. The harmonization of diagnosis, management, and routine health surveillance would not only optimize patient outcomes, but should also facilitate epidemiological studies of the disorder. Individuals with CH require monitoring throughout their lives, particularly during early childhood and pregnancy.

“ Cited by 117 articles

🔗 152 references

SUPPLEMENTARY INFO

Publication types, MeSH terms, Substances + expand

FULL TEXT LINKS

ENDOCRINE SOCIETY

FREE Full text PMC

Einstein Library

Montefiore



Known Author Search: Elias MI

Elias M |



Search

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

[User Guide](#)

Save

Email

Send to

Sort by:

Best match



Display options



11 results

« < Page 1 of 1 > »

[\[Observations of the epidemiology of toxoplasmosis\].](#)

1 **Elias MI.**

Cite Z Tropenmed Parasitol. 1966 Apr;17(1):87-99.

PMID: 6011098 German. No abstract available.

Share

[Impact of implementing a protocol of respiratory care measures and optimization of mechanical ventilation in potential lung donors.](#)

2

Cite Bezzi MG, Brovia CC, Carballo JM, **Elias MI**, Moreno AB, Ruiz VR, Cordiviola F, Barbieri D, Fariña A, Borello S.

Share

Rev Bras Ter Intensiva. 2020 Oct-Dec;32(4):571-577. doi: 10.5935/0103-507X.20200095.

PMID: 33470359 [Free PMC article.](#)

[3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review.](#)

3

Cite Wake N, Nussbaum JE, **Elias MI**, Nikas CV, Bjurlin MA.

Share

Urology. 2020 Sep;143:20-32. doi: 10.1016/j.urology.2020.03.066. Epub 2020 Jun 12.

PMID: 32535076

Known Item Search: Elias MI Urology



Elias MI urology



Search

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

[User Guide](#)

Found 1 result for *Elias MI urology*

Save

Email

Send to

Display options

> [Urology](#). 2020 Sep;143:20-32. doi: 10.1016/j.urology.2020.03.066. Epub 2020 Jun 12.

3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review

Nicole Wake ¹, Jeffrey E Nussbaum ², Marie I [Elias](#) ³, Christine V Nikas ⁴, Marc A Bjurlin ⁴

Affiliations [+ expand](#)

PMID: 32535076 DOI: [10.1016/j.urology.2020.03.066](https://doi.org/10.1016/j.urology.2020.03.066)

Abstract

Three-dimensional (3D) printing, augmented reality, and virtual reality technologies have an increasing presence in the management of prostate and kidney cancer. To assess the utility of 3D printing, augmented reality, and virtual reality for (1) quantitative outcomes, (2) surgical planning, (3) intraoperative guidance, (4) training and simulation, and (5) patient education for patients with kidney and prostate cancer a systematic literature review was performed. Existing evidence demonstrates improvement in clinical outcomes, surgical planning and intra-operative guidance, as well as training. Future studies are needed to assess the impact of 3D technologies on long-term patient-related

FULL TEXT LINKS



Einstein Library

Montefiore

ACTIONS

“ Cite

🔖 Collections

SHARE



PAGE NAVIGATION

> [Urology](#). 2020 Sep;143:20-32. doi: 10.1016/j.urology.2020.03.066. Epub 2020 Jun 12.

3D Printing, Augmented Reality, and Virtual Reality for the Assessment and Management of Kidney and Prostate Cancer: A Systematic Review

Nicole Wake ¹, Jeffrey E Nussbaum ², Marie I Elias ³, Christine V Nikas ⁴, Marc A Bjurlin ⁴

Affiliations + expand

PMID: 32535076 DOI: [10.1016/j.urology.2020.03.066](#)

Abstract

Three-dimensional (3D) printing, augmented reality, and virtual reality technologies have an increasing presence in the management of prostate and kidney cancer. To assess the utility of 3D printing, augmented reality, and virtual reality for (1) quantitative outcomes, (2) surgical planning, (3) intraoperative guidance, (4) training and simulation, and (5) patient education for patients with kidney and prostate cancer a systematic literature review was performed. Existing evidence demonstrates improvement in clinical outcomes, surgical planning and intra-operative guidance, as well as training. Future studies are needed to assess the impact of 3D technologies on long-term patient-related outcomes.

Copyright © 2020 Elsevier Inc. All rights reserved.

FULL TEXT LINKS

ELSEVIER
FULL-TEXT ARTICLE

Einstein Library

Montefiore

ACTIONS

“ Cite

📖 Collections

SHARE



PAGE NAVIGATION

< Title & authors

Abstract

- Full Text Links
- Publisher icon
- PMC icon
- Up to 5 Library icons
- Cite
- Add to collection
- Share
- Page Navigation

Previous and Next



congenital hypothyroidism treatment



Search

[Advanced](#)

[User Guide](#)

Search results

Save

Email

Send to

Display options

[Review](#) > [Clin Perinatol. 2018 Mar;45\(1\):1-18. doi: 10.1016/j.clp.2017.10.004.](#)

Congenital Hypothyroidism

[Ari J Wassner](#) ¹

Affiliations [+](#) expand

PMID: 29405999 DOI: [10.1016/j.clp.2017.10.004](#)

Abstract

Congenital hypothyroidism is common and can cause severe neurodevelopmental morbidity. Prompt diagnosis and **treatment** are critical to optimizing long-term outcomes. Universal newborn screening is an important tool for detecting **congenital hypothyroidism**, but awareness of its limitations,

FULL TEXT LINKS

FULL-TEXT ARTICLE

[Einstein Library](#)

[Montefiore](#)

ACTIONS

[Cite](#)

[Collections](#)

PREV RESULT
2 of 2,887

NEXT RESULT
4 of 2,887

Cite

- Citation in AMA, MLA, APA, and NLM formats
- Copy citation text
- Download .RIS

PubMed.gov

Found 1 result for *phillips L blood advances*

Case Reports > Blood Adv. 2020 Sep 22;4(18):4358-4361.
doi: 10.1182/bloodadvances.2020002745.

Successful management of SARS-CoV-2 acute respiratory distress syndrome and newly diagnosed acute lymphoblastic leukemia

Lia Phillips¹, Jovana Pavisic¹, Dominder Kaur¹, N Valerio Dorrello², Larisa Broglio¹, Nobuko Hijjiya¹

Affiliations

PMID: 32926122 PMCID: PMC7509888 DOI: 10.1182/bloodadvances.2020002745

[Free PMC article](#)

Abstract

Standard chemotherapy can still be used for new diagnosis of acute lymphoblastic leukemia in

Jose JM, Padala SRAN, Rajkumar S, Prasad SK, Jha AK. Epicardial blebs and septal hematoma after ventricular septal defect closure. Asian Cardiovasc Thorac Ann. 2020 Jul;28(6):336-338. doi: 10.1177/0218492320935248. Epub 2020 Jun 15. PMID: 32539424.

Format:

FULL TEXT LINKS



ACTIONS



SHARE



Save to File

("congenital hypothyroidism"[mesh] OR "Hypothyroidism, Congenital"[tiab])

Advanced Create alert Create RSS User Guide

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

Selection

- All results on this page
- All results (up to 10K)
- Selection

Save citations to file

Selection: All results on this page

Format: Summary (text)

Create file Cancel

Format

- Summary
- RIS
- PMID List
- Abstract
- CSV

1,331 results Page 1 of 67

1

Review > Clin Perinatol. 2018 Mar;45(1):1-18. doi: 10.1016/j.clp.2017.10.004.

Congenital Hypothyroidism

Ari J Wassner¹

Affiliations + expand

Email

("congenital hypothyroidism"[mesh] OR "Hypothyroidism, Congenital"[tiab] < X

Search

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

[User Guide](#)

Save

Email ●

Send to

Sort by:

Best match



Display options



Selection

- All results on this page
- Selection

Format

- Summary (Text)
- Summary
- Abstract (Text)
- Abstract

Email citations

Subject: ("congenital hypothyroidism"[mesh] OR "Hypothyroi - PubMed

* To:

melias@montefiore.org

From:

melias@montefiore.org

Selection:

All results on this page



Format:

Summary



Send email

Cancel



Create Alert

("Congenital Hypothyroidism"[Mesh]) AND "Thyroxine"[Mesh]

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

Sort by:

1,251 results Page of 63

- Save search
- Create alert
- Specify frequency
- Specify format

1

[Multicenter Study](#) > [Thyroid](#). 2023 Sep;33(9):1055-1063. doi: 10.1089/thy.2023.0100.
Epub 2023 Aug 11.

Dynamic Screening of Thyroid Function for the Timely Diagnosis of Congenital Hypothyroidism in Very Preterm Infants: A Prospective Multicenter Cohort Study

Ranran Shi ^{1 2}, Jie Jiang ³, Baohong Wang ⁴, Fengmin Liu ⁵, Xinjian Liu ⁶, Dejuan Yang ⁷, Zhongliang Li ⁸, Haiying He ⁹, Xuemei Sun ¹⁰, Qiongyu Liu ¹¹, Huimin Li ¹², Jinrong He ¹³, Jiabi Yu ¹⁴, Ming Zhang ¹⁵, Simmy Reddy ¹⁶, Yonghui Yu ^{1 2}, Jiajun Zhao ^{17 18}

Affiliations expand

PMID: 37566523 DOI: 10.1089/thy.2023.0100

Abstract

Background: Preterm infants presented a high prevalence of congenital hypothyroidism (CH), while the optimal screening pattern is still under debate. This study aimed at evaluating the characteristics of thyroid function by conducting weekly screening during the first month of life in very preterm infants (VPIs) to achieve timely diagnosis and treatment of CH. **Methods:** A prospective cohort study

Log in again with Albert
Einstein College of Medicine

or



eRA Commons



Google Account



ORCID



Login.gov



Microsoft



NIH Account



NCBI Account

more login options



My NCBI

[Customize this page](#) | [NCBI Site Preferences](#) | [Video Overview](#) | [Help](#)



My NCBI » Preferences

[Preferences help](#)

Note: Your account password, email address, and linked accounts are managed in the [Account Settings](#) page. You can also access this page by clicking on your hyperlinked username at the top right of NCBI web pages.

Common Preferences

| | |
|---------------------------------|-----------------------|
| Username | marieirma |
| Links Display | Popup Menu |
| Highlighting | Lime Green |
| Auto Suggest | On |
| Shared Settings | Highlighting, Filters |

PubMed Preferences

| | |
|--|---|
| Abstract Supplemental Data | Closed |
| Document Delivery | None Selected |
| Filters & Icons | English, Free Full Text, Montefiore Medical Center, NY, Montefiore Medical Center, NY (Provider Icon) |
| Outside Tool | Albert Einstein College of Medicine |
| Author information | Off |
| Result Display Settings | Abstract; 50; Best Match |

DMC Preferences



Advanced Search

- Search specific fields
- Build complex searches
- View search History
- Combine search results

PubMed Advanced Search Builder

PubMed.gov
User Guide

Add terms to the query box



All Fields [Show Index](#)

| Query | Results | Time |
|---|---------|----------|
| Search: ventricular septal defect Sort by: Most Recent | 21,800 | 12:33:02 |
| Search: ("Heart Septal Defects, Ventricular/complications" [Mesh] OR Heart Septal Defects, Ventricular/surgery)[Mesh] OR "Heart Septal | 7,810 | 11:46:10 |

Search History

- View search history
- Compare results of various searches
- Combine Previous Searches
- Download search history



History and Search Details



 Download  Delete

| Search | Actions | Details | Query | Results | Time |
|--------|---------|---------|---|---------|----------|
| #4 | ... | > | Search: #1 OR #3 | 1,331 | 14:36:31 |
| #3 | ... | > | Search: ("congenital hypothyroidism"[mesh] OR "Hypothyroidism, Congenital"[tiab] OR "Cretinism"[tiab] OR "Endemic Cretinism"[tiab] OR "Cretinism, Endemic" [tiab] OR "Fetal Iodine Deficiency Disorder" [tiab] OR "Myxedema, Congenital"[tiab]) AND ("Thyroxine"[mesh] OR "L-Thyroxine"[tiab] OR "L Thyroxine"[tiab] OR "Levothyroxine Sodium"[tiab] OR "Sodium Levothyroxine"[tiab]) | 1,331 | 14:35:35 |
| #2 | ... | > | Search: ("Congenital Hypothyroidism"[Mesh]) AND "Thyroxine" [Mesh] Filters: Guideline Sort by: Most Recent | 7 | 14:28:19 |
| #1 | ... | > | Search: ("Congenital Hypothyroidism"[Mesh]) AND "Thyroxine" [Mesh] Sort by: Most Recent | 1,251 | 14:18:57 |

Search Details

History and Search Details

 Download  Delete

| Search | Actions | Details | Query | Results | Time |
|--------|---------|---|--|---------|----------|
| #4 | ... |  | Search: #1 OR #3 | 1,331 | 14:36:31 |
| #3 | ... |  | Search: ("congenital hypothyroidism"[mesh] OR "Hypothyroidism, Congenital"[tiab] OR "Cretinism"[tiab] OR "Endemic Cretinism"[tiab] OR "Cretinism, Endemic" [tiab] OR "Fetal Iodine Deficiency Disorder"[tiab] OR "Myxedema, Congenital"[tiab]) AND ("Thyroxine"[mesh] OR "L-Thyroxine"[tiab] OR "L Thyroxine"[tiab] OR "Levothyroxine Sodium"[tiab] OR "Sodium Levothyroxine"[tiab]) ("congenital hypothyroidism"[MeSH Terms] OR "hypothyroidism congenital"[Title/Abstract] OR "Cretinism"[Title/Abstract] OR "Endemic Cretinism"[Title/Abstract] OR "cretinism endemic"[Title/Abstract] OR "Fetal Iodine Deficiency Disorder"[Title/Abstract] OR "myxedema congenital"[Title/Abstract]) AND ("Thyroxine"[MeSH Terms] OR "l thyroxine"[Title/Abstract] OR "l thyroxine"[Title/Abstract] OR "Levothyroxine Sodium"[Title/Abstract] OR "Sodium Levothyroxine"[Title/Abstract]) | 1,331 | 14:35:35 |

- Montefiore logo
- Einstein logo
- Publisher full-text Link
- PMC Free full-text
- Follow the PDF link from provider

Abstract

Screening for hypo- or hyperthyroidism in adults is generally done by measuring the serum thyrotropin (thyroid-stimulating hormone, TSH) concentration. This is an efficient approach in case of suspected acquired thyroid disease. However, in infants and children, congenital hypothalamus-pituitary-thyroid (HPT) axis disorders also need to be considered, including primary and central congenital hypothyroidism, and even rarer thyroid hormone receptor and transporter defects. In primary congenital hypothyroidism, TSH will be elevated, but in the other congenital HPT axis disorders, TSH is usually within the normal range. Free thyroxine (FT4) assessment is essential for the diagnosis in these conditions. Conclusion: Here we discuss a number of rare congenital HPT axis disorders in which TSH is normal, but FT4 is low, and provide a clinical algorithm to distinguish between these disorders. What is Known: • A single thyroid-stimulating hormone (TSH) measurement is an appropriate screening method for primary hypothyroidism. • For central hypothyroidism and rare thyroid hormone receptor and transporter defects a free thyroxine (FT4) measurement is essential for the diagnosis because TSH is usually normal. What is New: • Here we present a new problem-oriented clinical algorithm including a diagnostic flow-chart for low FT4 and normal TSH in infants and children.

Keywords: Central hypothyroidism; Children; FT4; TSH.

Conflict of interest statement

The authors declare no competing interests.

“ Cited by 1 article

↻ 13 references

🖼️ 1 figure

SUPPLEMENTARY INFO

Publication types, MeSH terms, Substances + expand

FULL TEXT LINKS



Articles Not Available as Full-Text

Montefiore
HEALTH SCIENCES LIBRARY

Evaluation and management of the child with hypothyroidism

Leung, Alexander. *World Journal of Pediatrics* Volume: 15 Issue 2 (2019) ISSN: 1867-0687

Full Text Finder Results

Resources Located for this Citation

 [Submit an ILL request for this item.](#)



Interlibrary Loan Request Form

Please enter the information below in order to send an Interlibrary Loan request to your library administrator. The request will be sent via e-mail.

| | |
|------------------------|--|
| *First Name | <input type="text"/> |
| *Last Name | <input type="text"/> |
| *Library Card # | <input type="text"/> |
| Department | <input type="text"/> |
| *Address | <input type="text"/> |
| *E-mail Address | <input type="text"/> |
| *Phone | <input type="text"/> |
| Date Needed | <input type="text"/> <i>Format: mm/dd/yyyy</i> |
| Comments | <input type="text"/> |

* Indicates required field.

Item Details

| | |
|-----------------------------------|---|
| Title | <input type="text" value="Evaluation and management of the child with hypothyroidism"/> |
| Author | <input type="text" value="Leung, Alexander K. C.;Leung, Alexander A. C."/> |
| Source | <input type="text" value="World Journal of Pediatrics"/> |
| Date | <input type="text" value="2019-04-01"/> |
| ISSN | <input type="text" value="17088569"/> |
| ISBN | <input type="text"/> |
| Series or Collection Title | <input type="text"/> |

Montefiore Library Locations

3. Montefiore Health Science Library
Moses Research Tower, 2nd floor
718-920-4666
askreference@montefiore.org

2. Wakefield Campus
1st floor, Room B11
718-920-9869

3. D. Samuel Gottesman Library
Florscheimer Building, 1st floor
Einstein Campus
718-430-3104
askref@einsteinmed.org



Key Takeaways



- 🔑 Assistance is available
- 🔑 PubMed URLs are available from both libraries
- 🔑 Some resources must be accessed from Montefiore Library only and others are unique to Einstein library
- 🔑 Avoid delays in your ILL requests
- 🔑 For inquiries about library access, contact Montefiore Library @ 718-920-4666

Questions?

