

MEDLINE[®] Quick Reference Card

Produced by the National Library of Medicine, *MEDLINE*[®] is the leading bibliographic database for biomedicine and health research literature. *MEDLINE* also includes literature in biology, environmental science, plant and animal science, marine biology, chemistry, and biophysics as these fields relate to biomedicine and health care. Updated weekly, *MEDLINE* includes over 17 million bibliographic records dating back to 1950. More than 500,000 records are added each year. Source publications include over 5,200 journals, newspapers, newsletters, and magazines.

1 Search

Search by Topic, MeSH Headings, MeSH Major Topics, Author, Source Publication, Publication Year, Address, Chemical or other Identifying codes. Use the drop down menu for each search box to choose the area of your search. You can limit your search by original language of publication or document type.

2 Use the drop down menu to change the relationship between each search field to AND, OR, or NOT.

3 Add additional fields for a more complex search.

4 Change the time frame and data limits of your search.

ISI Web of KnowledgeSM Take the next step

All Databases Select a Database MEDLINE Additional Resources

Search Advanced Search Search History Marked List (0)

MEDLINE[®]

Search for:

"obstructive sleep apnea" in Topic - Add MeSH

Example: "skin graft" AND reject

AND in Author/Editor

Example: Vonwald L* or Von wald L*

AND in Publication Name

Example: Br J Dermatol

Add Another Field >>

Show me only records with abstracts.

Search Clear

Current Limits: [Hide Limits and Settings] (To save these permanently, sign in or register)

Timespan:

All Years (updated May 06, 2008)

From 1950 to 2008 (default is all years)

Databases:

In-Process

MEDLINE --1950-present

Publication Name

Topic

Topic - Add MeSH

Topic - Add MeSH (No Explode)

Title

Title - Add MeSH

Title - Add MeSH (No Explode)

MeSH Heading

MeSH Heading (No Explode)

MeSH Major Topics

MeSH Major Topics (No Explode)

Author/Editor

Publication Name

Address

Chemical

Identifying Codes

Year Published

Publication Type

Language

Citation Subset

Age Group

SEARCH OPERATORS

Search using AND, OR, NOT, and SAME (same sentence) to create logical search statements. Nest search operators inside parentheses. Search exact or truncated phrases inside quotations marks.

TRUNCATION SYMBOLS

Use truncation to retrieve plurals and variant spellings.

* = zero to many characters
? = one character
\$ = zero or one character

SEARCH

NAVIGATE

REFINE

PERSONALIZE

SAVE

Full Record

1 Title

Titles are indexed as they appear in the source document. Foreign language titles are translated into US English and the original title is retained below the translation.

2 Authors

All authors are indexed and searchable, for records from 1994 to the present. Up to ten authors were indexed in records previous to 1994, with "et al." in the tenth position.

3 Source Information

Journal title, volume, issue, pagination, and publication date display here.

4 PubMed Related Articles

A link to articles related to the parent article. This list is created by comparing words from the Title, Abstract, and MeSH Terms fields, and assigning weights to the terms.

5 Abstract

The English language author abstract of the source document appears here.

6 Document Type

A record in MEDLINE may have one or more document types assigned to it.

7 Language

The original language of the source document displays here.

8 Addresses

The address for the reprint author as identified by the source article is indexed and searchable. In the event that a reprint author is not identified, the first listed address is indexed and searchable.

1

Effect of CPAP on insulin resistance and HbA1c in men with obstructive sleep apnoea and type 2 diabetes.

2

Full Text

3

Links

4

Print

5

E-mail

6

Add to Marked List

7

Save to EndNote Web

8

more options

Author(s): West, Sophie D; Nicoll, Debby J; Wallace, Tara M; Matthews, David R; Stradling, John R

Source: Thorax Volume: 62 Issue: 11 Pages: 969-74 Published: 2007 Nov

[PubMed Related Articles]

Abstract: BACKGROUND: The effects of continuous positive airway pressure (CPAP) for obstructive sleep apnoea (OSA) on insulin resistance are not clear. Trials have found conflicting results and no appropriate control groups have been used. METHODS: Forty-two men with known type 2 diabetes and newly diagnosed OSA (>10 dips/h in oxygen saturation of >4%) were randomised to receive therapeutic (n = 20) or placebo CPAP (n = 22) for 3 months. Baseline tests were performed and repeated after 3 months. The study was double blind. RESULTS: Results are expressed as mean (SD). CPAP improved the Epworth sleepiness score significantly more in the therapeutic group than in the placebo group (-5.6 (4.5) vs -2.6 (4.9), p = 0.01). The maintenance of wakefulness test improved significantly in the therapeutic group but not in the placebo group (+10.6 (13.9) vs -4.7 (11.8) min, p = 0.001). Glycaemic control and insulin resistance did not significantly change in either the therapeutic or placebo groups: HbA1c (-0.02 (1.5) vs +0.1 (0.7), p = 0.7, 95% CI -0.6% to +0.9%), euglycaemic clamp (M/I: +1.7 (14.1) vs -5.7 (14.8), p = 0.2, 95% CI -1.8 to +0.3 I/kg/min(1000)), HOMA-%S (-1.5 (2.3) vs -1.1 (1.8), p = 0.2, 95% CI -0.3% to +0.08%) and adiponectin (-1.1 (1.2) vs -1.1 (1.3), p = 0.2, 95% CI -0.7 to +0.6 microg/ml). Body mass index, bioimpedance and anthropometric measurements were unchanged. Hours of CPAP use per night were 3.6 (2.8) in the treatment group and 3.3 (3.0) in the placebo group (p = 0.8). There was no correlation between CPAP use and the measures of glycaemic control or insulin resistance. CONCLUSION: Therapeutic CPAP does not significantly improve measures of glycaemic control or insulin resistance in men with type 2 diabetes and OSA.

PubMed ID: 17557769

Document Type: Journal Article; Randomized Controlled Trial; Research Support, Non-U.S. Gov't

Language: English

Address: Sleep Unit, Oxford Centre for Respiratory Medicine, Churchill Hospital, Old Road, Oxford OX3 7LJ, UK. sophie@west66.freeseve.co.uk

Record 281 of 8,279

Record from MEDLINE®

Cited by: 1

This article has been cited 1 times (from Web of Science).

Nakagawa Y, Kishida K, Kihara S, et al. Nocturnal reduction in circulating adiponectin concentrations related to hypoxic stress in severe obstructive sleep apnea-hypopnea syndrome AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM 4 E778-E784 APR

[View all 1 citing articles]

Create Citation Alert

Related Records:

Find similar records based on shared references (from Web of Science).

[View related records]

References: 28

View the bibliography of this record (from Web of Science).

Additional information

View the Journal's Table of

If your institution has access to Web of Science, you may see additional information in the blue sidebar.

Click the **Cited By** number to move to the articles that have cited this article in Web of Science. The bibliographic information for the three latest articles to cite this article will automatically display with the full record.

Click **View Related Records** to find articles that have cited the same earlier materials.

Click **Create Citation Alert** to be notified when the article is cited by any new Web of Science record. Citation Alerts will remain active for one year, but can be renewed at any time.

Full Record (continued)

9 MeSH Terms

Subject headings and qualifiers from the MEDLINE thesaurus. Terms marked with an asterisk (*) are major topics of the source document. Clicking on a subject heading will do a search for all documents in MEDLINE which contain that term in its indexing.

On the Search page, you can use the thesaurus to locate MeSH terms, or type in a term you already know using the MeSH Heading search option.

10 Citation Subset

Subsets of the biomedical literature defined by specialized topics.

11 Chemical Indexing

Names of drugs and other chemical substances from the Chemical Thesaurus, assigned by MEDLINE indexers.

Other Indexing

MEDLINE records may also contain molecular sequence data, grant information, or links to genetic databanks from the National Center for Biotechnology Information (NCBI) at the National Library of Medicine.

9

MeSH Terms:	
Heading	Qualifier
Adolescent	
Adult	
Aged	
Body Composition	
*Continuous Positive Airway Pressure	
Diabetes Mellitus, Type 2	*complications
	metabolism
Double-Blind Method	
Hemoglobin A, Glycosylated	*metabolism
Humans	
Insulin Resistance	*physiology
Male	
Middle Aged	
Sleep Apnea, Obstructive	complications
	metabolism
	*therapy
Wakefulness	physiology

10

Citation Subset: Index Medicus

11

Chemical:	
Registry Number	Substance
0	Hemoglobin A, Glycosylated

ISSN: 0040-6376

NLM Unique ID: 0417353

Country: England

Date Created: 29 Oct 2007 Date Completed: 23 Jan 2008 Date Revised: 18 Apr 2008

Comment in: Thorax. 2008 Apr;63(4):384-5; author reply 385

Published Electronically: 08 Jun 2007

Refine and Analyze

1 Refine your Results

Use Refine to mine a set of up to 100,000 results to find the top 100 MeSH Headings, MeSH Qualifier, Subject Areas, Source Titles, Authors, Publication Types, and Publication Years.

2 Sort Results

Sort up to 100,000 records by

- Latest Date (default)
- Relevance
- Publication Year
- Source Title
- First Author

3 Analyze Results

Like Refine, with Analyze you can mine a set of up to 100,000 results. With Analyze you can output the results to Microsoft® Excel to create your own graphs.

4 Output Records or Save to Endnote Web

Output records, add to your Marked List, or save to EndNote Web. Quickly print, e-mail or save to a temporary marked list (500 records maximum), or save permanently to EndNote Web (10,000 max). Click "more options" to save a range of records, adjust your saved fields, or export directly to ResearchSoft reference software (EndNote, Reference Manager, and ProCite) you have installed on your desktop.

The screenshot displays the ISI Web of Knowledge interface for a search on "obstructive sleep apnea". The top navigation bar includes "All Databases", "Select a Database", "MEDLINE", and "Additional Resources". Below this is a search bar and a "Marked List (0)" link. The main content area shows the search results for "obstructive sleep apnea OR MeSH Heading: exp=Sleep Apnea, Obstructive" with a timespan of "All Years" and databases of "In-Process, MEDLINE". There are 8,611 results, displayed on page 1 of 862. The results are sorted by "Latest Date".

On the left side, the "Refine Results" section is highlighted with a red box. It includes a search bar for refining results and a list of MeSH Headings, MeSH Qualifiers, Subject Areas, Authors, Source Titles, Publication Types, and Publication Years. The "MeSH Headings" section is expanded, showing a list of headings with their respective counts. The "MeSH Qualifier" section is also expanded, showing a list of qualifiers with their respective counts. The "Subject Areas" section is expanded, showing a list of subject areas with their respective counts. The "Authors" section is expanded, showing a list of authors with their respective counts. The "Source Titles" section is expanded, showing a list of source titles with their respective counts. The "Publication Types" section is expanded, showing a list of publication types with their respective counts. The "Publication Years" section is expanded, showing a list of publication years with their respective counts. The "Analyze Results" button is also visible.

On the right side, the "Analyze Results" section is highlighted with a red box. It includes a list of results with checkboxes for each record. The results are displayed in a table format, showing the title, author(s), source, volume, issue, pages, and publication year. The "Analyze Results" button is also visible.

At the bottom, the "Output Records" section is highlighted with a red box. It includes a list of records with checkboxes for each record. The records are displayed in a table format, showing the title, author(s), source, volume, issue, pages, and publication year. The "Output Records" button is also visible.

Personalize

1 Create Personal Profile

Any *MEDLINE* user can create a personal *ISI Web of Knowledge* profile to take advantage of powerful personalization options. You can create a private user profile from the *ISI Web of Knowledge* home page (Click "Home" in the top tool bar to find the *ISI Web of Knowledge* homepage.) The user profile allows you to create:

- * Unlimited saved searches and search alerts
- * An **Endnote Web** library of up to 10,000 references

2 Save Searches and Create Search Alerts

Save any search of up to 20 sets as a Search History or an Alert. Alerts will be based on the last set in your history. You can choose the frequency and form of the alert. Alerts will remain active for 24 weeks but can be renewed at anytime. If an alert expires, it will remain as a saved search strategy in your personal profile until you delete it. Searches can also be saved as RSS feeds; simply click the **XML** icon after clicking Save History.

- * Click "Renew" to set a new expiration date for any alert.
- * Click "Settings" to turn alerts on or off.
- * Click "Open" to run the saved search
- * Click XML to set an RSS Feed

1 Sign In | My EndNote Web | My ResearcherID | My Citation Alerts | My Journal List | My Saved Searches | Log Out

ISI Web of KnowledgeSM Take the next step

All Databases | Select a Database | MEDLINE | Additional Resources

Search | Advanced Search | Search History | Marked List (0)

MEDLINE®

Search History

2 Save History / Create Alert | Open Saved History

Set	Results		Combine Sets	Delete S
			AND OR	Select A Delete
#3	1,875	#2 AND #1 <small>Databases=In-Process, MEDLINE Timespan=All Years</small>	<input type="checkbox"/>	<input type="checkbox"/>
#2	5,058	(Topic= continuous positive airway pressure OR MeSH Heading:exp=Continuous Positive Airway Pressure) OR (Topic=cpap OR MeSH Heading:exp=Continuous Positive Airway Pressure) <small>Databases=In-Process, MEDLINE Timespan=All Years</small>	<input type="checkbox"/>	<input type="checkbox"/>
#1	8,611	Topic= obstructive sleep apnea OR MeSH Heading:exp=Sleep Apnea, Obstructive <small>Databases=In-Process, MEDLINE Timespan=All Years</small>	<input type="checkbox"/>	<input type="checkbox"/>

<< Back

Open / Manage Saved Searches

Open from the ISI Web of Knowledge Server:
Use this box to open histories that were saved to your private account on our Server.

Display histories from: All Products Go

History Name	Product	Description	RSS Feed	Alerting	Modify Settings	Delete	Open/Run History
			XML	Status: On Expires: 21 Oct 2008 Renew	Settings	Select All Delete	Open
cpap sleep apnea	MEDLINE		XML	Status: On Expires: 21 Oct 2008 Renew	Settings	<input type="checkbox"/>	Open
green tea egcg	MEDLINE		XML	Status: On Expires: 21 Oct 2008 Renew	Settings	<input type="checkbox"/>	Open

Manage

EndNote Web

Save up to 10,000 records in your EndNote Web library. EndNote Web also allows you to add and format references in a document and search other online databases and library catalogs. References imported from ISI Web of Knowledge resources will remain marked with an EndNote Web icon and you can link back to the full record and view up-to-date citation information. EndNote Web also allows you to add and format citations to documents you are writing and perform searches of other online databases. Once you have created your EndNote Web library you can access your library at any time, either from your Web of Knowledge profile or by going to www.myendnoteweb.com and using your ISI Web of Knowledge user ID and password.

Getting Help

Click the **Help** button on any page to get detailed help on features as well as detailed search tips and examples.

Contact the Technical Help Desk for your region at:
scientific.thomsonreuters.com/support/techsupport

Contact the education team at:
scientific.thomsonreuters.com/support/training/contacttraining

To view a recorded training module, visit:
scientific.thomsonreuters.com/support/recorded-training

Interested in more tips and tricks?
For ongoing Web-based training, visit:
scientific.thomsonreuters.com/support/training/webtraining

The screenshot displays the EndNote Web interface. At the top, there's a navigation bar with tabs: 'My References', 'Collect', 'Organize', 'Format', 'Options', and 'Admin'. Below this, the 'My References' section is active, showing a 'Quick Search' box and a list of 'My References' (134) including categories like 'biodiesel (14)', 'farming (26)', 'sleep apnea (22)', 'textile (15)', 'ukraine (47)', 'wu authors (10)', '[Unfiled] (0)', 'Quick List (0)', and 'Trash (18)'. To the right, the 'All My References' section shows a table of references with columns for 'Author', 'Year', and 'Title'. The table lists three references: 1) 'Obstructive sleep apnea. More than just a snoring problem' by Mayo Clin Womens Healthsource, ISI Web of Knowledge, Source Record, 2007; 2) 'Knitting, autonomy and identity: The role of hand-knitting in the construction of women's sense of self in an island community, Shetland, c. 1850-2000' by Abrams, L., ISI Web of Knowledge, Source Record, Related Records, 2006; 3) 'Future fuel supply systems for organic production based on on-farm-grown biomass' by Ahlgren, S., ISI Web of Knowledge, Source Record, Related Records, 2008. Each reference has a '+Links' button and a 'Full Text' button.