

# MEDLINE<sup>®</sup> Quick Reference Card

Produced by the National Library of Medicine, *MEDLINE*<sup>®</sup> 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.

### 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 quotation 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.

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<< Back to results list | Record 281 of 8,279 | Record from MEDLINE®

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

Full Text | +Links | Print | E-mail | Add to Marked List | Save to EndNote Web | more options

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

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

**4** [PubMed Related Articles]

**5** **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 U/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.

**6** PubMed ID: 17557769

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

**8** Language: English

Address: Sleep Unit, Oxford Centre for Respiratory Medicine, Churchill Hospital, Old Road, Oxford OX3 7LJ, UK. sophie@westf6.freeseve.co.uk

**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.

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

**Citation Subset:** Index Medicus

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 search results page for the query "obstructive sleep apnea OR MeSH Heading: exp=Sleep Apnea, Obstructive". The interface includes a navigation bar with "All Databases", "Select a Database" (MEDLINE), and "Additional Resources". The search results are displayed on page 1 of 862, with 8,611 results found. The results are sorted by "Latest Date".

On the left side, the "Refine Results" panel is visible, showing search filters for MeSH Headings (HUMANS, MALE, SLEEP APNEA, OBSTRUCTIVE, FEMALE, MIDDLE AGED), MeSH Qualifier (PHYSIOPATHOLOGY, COMPLICATIONS, DIAGNOSIS, THERAPY, ETIOLOGY), Subject Areas, Authors, Source Titles, Publication Types, and Publication Years. A "Search" button and "Refine" buttons are present for each category.

The main results list shows six entries, each with a checkbox, title, author(s), and source information. The first entry is: "Title: How much influence does inspiration have on pulse transit time in sleep apnea? Author(s): Yin, Min, Nakayama, Meiho, Miyazaki, Soichiro, et al. Source: *Otolaryngol Head Neck Surg* Volume: 138 Issue: 5 Pages: 619-25 Published: 2008".

At the bottom, the "Output Records" section is visible, showing options for "Step 1" (Selected Records on page, All records on page, Records [ ] to [ ]) and "Step 2" (Authors, Title, Source plus Abstract, Full Record). A "Step 3" section is also present, with a question "[How do I export to bibliographic management software?]" and options to "Print", "E-mail", "Add to Marked List", "Save to EndNote Web", "Save to EndNote, RefMan, ProCite", and "Save to other Reference Software".

# 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

ISI Web of Knowledge<sup>SM</sup> Take the next step

All Databases | Select a Database | MEDLINE | Additional Resources

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

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Search History

Set	Results		Combine Sets	Delete S
#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

History Name	Product	Description	RSS Feed	Alerting	Modify Settings	Delete	Open/Run History
cpap sleep apnea	MEDLINE			Status: On Expires: 21 Oct 2008 <input type="button" value="Renew"/>	<input type="button" value="Settings"/>	<input type="checkbox"/>	<input type="button" value="Open"/>
green tea egcg	MEDLINE			Status: On Expires: 21 Oct 2008 <input type="button" value="Renew"/>	<input type="button" value="Settings"/>	<input type="checkbox"/>	<input type="button" value="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](http://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](http://scientific.thomsonreuters.com/support/techsupport)

Contact the education team at:  
[scientific.thomsonreuters.com/support/training/contacttraining](http://scientific.thomsonreuters.com/support/training/contacttraining)

To view a recorded training module, visit:  
[scientific.thomsonreuters.com/support/recorded-training](http://scientific.thomsonreuters.com/support/recorded-training)

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

The screenshot displays the EndNote Web interface. At the top, there is a navigation bar with tabs for "My References", "Collect", "Organize", "Format", "Options", and "Admin". Below the navigation bar, there is a "Quick Search" section with a search input field and a dropdown menu set to "All My References". To the right of the search bar is a section titled "All My References" which contains a table of references. The table has columns for "Author", "Year", and "Title". Three references are visible in the table:

Author	Year	Title
	2007	Obstructive sleep apnea. More than just a snoring problem Mayo Clin Womens Healthsource ISI Web of Knowledge <sup>SM</sup> → Source Record +Links
Abrams, L.	2006	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 Textile History ISI Web of Knowledge <sup>SM</sup> → Source Record, Related Records Times Cited: 0 +Links Full Text
Ahlgren, S.	2008	Future fuel supply systems for organic production based on Fischer-Tropsch diesel and dimethyl ether from on-farm-grown biomass Biosystems Engineering ISI Web of Knowledge <sup>SM</sup> → Source Record, Related Records