

Bi feedback

University of South Alabama Biomedical Library Newsletter

<http://southmed.usouthal.edu/library/>

Issue #62 Fall 2004

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Message From the Director

Welcome all new students and faculty and welcome back all you returnees. The Biomedical Library faculty and staff are once again ready to provide you with the best medical library services and resources that we can.

We have undergone some serious budget “adjustments” due to financial difficulties and have had to drop many titles, both electronic and print. However, we still have a very viable collection and we’re sure you will be pleased with what is available. We have over 4,000 journal titles, including about 3,000 in full-text, electronic format. Web of Science, a popular and useful resource albeit very expensive, is being cancelled due to lack of funds to pay for it. WOS costs the library between \$80,000 and \$100,000 per year. We still have Science Direct that has virtually all of the Elsevier titles in electronic format. You will be able to access most E titles from anywhere that has an Internet connection.

Over the summer a number of improvements have taken place with our services. Of special interest to our distance education students, we now offer “Live Chat” wherein users can connect to our system, using their computer, and carry on live chats with a librarian to ask questions or seek any help needed. Librarians can “push” searches or web pages to users.

We are close to replacing all the older Xerox copy machines with new, digital units. With these units you will even be able to print from any of the library PCs. This will be much faster than printing to the current printers.

We hope you have a good year and please do not hesitate to contact us if you have any information needs.

-- Tom Williams

Library Opening at Knollwood

Within a few weeks we expect to be opening our branch library at Knollwood Hospital. It will be primarily an electronic library in that there will be few print materials. But there will be PC workstations to access all of the library’s online resources, including full text journals. The facility will be staffed for a few hours certain days of the week. Check our library webpage for specific times <http://southmed.usouthal.edu/library> . The library will be located in the hospital building, first floor, where the Doctor’s Lounge currently is. The lounge has been renovated to divide the room. Half will be the library and the other half will remain as the Doctor’s Lounge. Although the lounge will still be available to physicians only, the library section will be open to students, faculty and staff, including hospital medical personnel.

-- Tom Williams

Journal Costs

The Biomedical Library recently cut 107 print journal subscriptions in order to have a balanced budget. A list of targeted journals, developed based on usage, was submitted to the faculty for review. The final list resulted in a savings of \$37,104. However, this is less than 5% of our total journal costs for 2005.

Another way that we have determined that can save costs is to convert from print to electronic whenever possible. This was done for 30 titles this year, for a savings of approximately \$2,835. A recent study by the Council on Library and Information Resources looked at the cost of print subscriptions vs. the cost of electronic subscriptions. The authors looked at costs, excluding subscription fees for print and electronic formats at 11 institutions of various sizes. They found that “over time, non-subscription costs are lower, on a per-title basis, in electronic than in print format.” The authors note that the cost of long-term archiving of the electronic journals was not factored into the analysis. Another study published in D-Lib Magazine in October 2002 indicated that when all costs are considered, electronic journals are more cost effective than bound print journals on a per use basis – over 7 times more cost effective. In addition to storage space, print journals also incur binding costs and manpower to re-shelve after use. Feedback from USA faculty indicates that they prefer electronic over print. For 2006, the journal subscriptions will be reviewed to see if other titles can be converted from print to electronic. One obstacle that will have to be overcome is that not all publishers supply statistics for electronic journal usage.

A recent report on journal costs (Library Journal, April 15, 2004) indicated that the average cost of a journal for 2004 in the health sciences is \$975. This is an increase of 10% since 2003 and an increase of 39% since 2000. According to a study from the Association of Research Libraries, the cost of journals has risen more than three times the rate of inflation since the 1980's.

--Judy Burnham

Staff News

Geneva Staggs exhibited health information on the web (MedlinePlus, MLA's Top Ten Sites, AVL) at the Goodwill-Easter Seals Child Development Center August 24, 2004.

Tom Williams, Clista Clanton and Justin Robertson, along with other members of the committee, have completed work on the cookbook being published by the Southern Chapter of the Medical Library Association. The cookbook, *You Say Cuisine; I Say Vittles; The Southern Chapter Compendium of Recipes and Reminiscences*, will go on sale at the upcoming meeting of the association that will be held in Biloxi, MS, Oct 21-25, 2004.

LIBRARY SERVICE NUMBERS

General Information:

Campus	(251) 460-7043
UMC	(251) 471-7855
C&W	(251) 415-8586
Fax Campus	(251) 460-7638
UMC	(251) 471-7857
C&W	(251) 415-8587

Administration:

Director, Tom Williams	(251) 460-6885
twilliam@bbl.usouthal.edu	
Secretary, Bonnie Seibert	(251) 460-6885

Public Services and Education:

Geneva Bush Staggs	(251) 460-7044
gbush@jaguar1.usouthal.edu	

Reference Services

Campus	(251) 460-7044
UMC	(251) 471-7855
C&W	(251) 415-8586

Circulation

Campus	(251) 460-7043
UMC	(251) 471-7855
C&W	(251) 415-8586

Interlibrary Loan	(251) 460-6891
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Regional and Technical Services:

Judy Burnham	(251) 460-6888
jburnham@jaguar1.usouthal.edu	

REGULAR HOURS

**August 16, 2004 -
January 9, 2005**

Charles M. Baugh Library (Campus)

Monday-Thursday	7:15am - 11:45pm
Friday	7:15am - 6:00pm
Saturday	9:00am - 6:00pm
Sunday	1:00pm - 11:45pm

Medical Center Site (1st floor Mastin Building)

Monday-Thursday	8:00am - 6:00pm
Friday	8:00am - 5:00pm
Saturday	9:00am - 5:00pm
Sunday	Not staffed

Children's and Women's Site

Monday-Friday	8:00am - 5:00pm
Saturday and Sunday	Closed

Email - medlib@bbl.usouthal.edu
<http://southmed.usouthal.edu/library>

Holiday and Extended Hours

The libraries will be closed Labor Day. For library hours around Thanksgiving, Christmas and New Years Day see the website above.

Extended hours for finals will be Dec 3-4 and 10-11. Campus location will be open until 10:00pm.

BIOFEEDBACK, New Series, Issue #62, Fall 2004

Biofeedback, the Biomedical Library Newsletter, a publication of the University of South Alabama Biomedical Library, is published at irregular intervals. Editor: Geneva Staggs. Contributors to this issue were Judy Burnham, Clista Clanton, Jie Li, Michael Lindsay, Justin Robertson, Geneva Staggs, Diane Williams and Tom Williams. Comments should be addressed to Geneva Staggs, Biomedical Library, University of South Alabama, Mobile, AL 36688-0002 or by email at: gstaggs@bbl.usouthal.edu.



Classes Offered

Classes Web Page:

<http://southmed.usouthal.edu/library/ref/classes.htm>

The following classes are offered year-round by the Biomedical Library. Advance registration is required. For more information contact the reference desk at (251) 460-7044 or by e-mail medlib@bbl.usouthal.edu

Advantage Internet: Searching & Evaluating

This class covers utilizing Internet search engines to find information as well as evaluating web sites for accuracy, authority, currency, content, and organization. Participants should have a basic knowledge of the Internet with some usage.

EndNote

EndNote is the solution for creating bibliographies. The session will show how to use EndNote to organize references, and create bibliographies instantly and automatically in your word processor.

Reference Manager

Reference Manager is a database program specifically developed to manage bibliographic references. Anyone involved in gathering references or producing bibliographies can use Reference Manager to manage references and prepare formatted in-text citations and biblio-

ographies instantly for manuscripts.

Internet Basics

This class is designed to give basic knowledge of utilizing the Internet for medical research. It includes browser navigation, printing & saving, searching, and subject-oriented sites.

OVID CINAHL

Learn to effectively search and retrieve articles using OVID CINAHL as well as techniques to print and save results.

OVID MEDLINE

Learn to effectively search and retrieve articles using OVID MEDLINE as well as techniques to print and save results.

PubMed

Learn how to search and navigate MEDLINE through the free databases of the National Library of Medicine using PubMed and the NLM Gateway. Learn how to limit results, focus searches, and retrieve articles in print and online.

Workshops for Research Assistants & Secretaries

Learn about the Biomedical Library's resources and services, including remote access, library catalog searching tips for books and journals, article retrieval, and fact finding. Information includes both print and online resources.

Need Access for Your Class?

Because of cost concerns, we have had to limit the number of users that can access our electronic resources at one time. However, if you have a class assignment for your students that requires access to one of the Biomedical Library electronic resources, please notify Justin Robertson, jroberts@bbl.usouthal.edu, (251) 460-7045, so we can try to temporarily add some access to meet student needs.

Medical Specialties Pages Get an Update

The Biomedical Library's Medical Specialties pages (<http://southmed.usouthal.edu/library/specialt/index.html>) are currently under "renovations." New links are being added, broken ones repaired and the pages are also getting a new look. These pages have been created by the departmental library liaisons (see: <http://southmed.usouthal.edu/library/liaisons/index.html>) in an effort to highlight valuable online resources dedicated to particular medical specialties/careers (e.g. Neurology, Adult Health Nursing, Cardiorespiratory Care etc.). The links in these pages have been carefully reviewed and selected by the biomedical librarians to ensure reliability and informational value.

We value your opinion and urge you to let us know how we can make these pages as useful and accurate as possible. Please send comments to: medlib@bbl.usouthal.edu or the particular library liaison responsible for the page in question.

-- Justin Robertson

Dissertation and Thesis Writers

The accuracy of references in these documents is as important to future research as it is to the academic credibility and reputation of the author and the University.

In order to insure the accuracy of your references, bring your reference pages by the library to have them checked by a librarian before submitting your paper for the final approval process.

For more information contact Geneva Bush Staggs at (251) 460-6890 or gbush@jaguar1.usouthal.edu.



Open Access News

According to the Bethesda Statement (<http://www.earlham.edu/~peters/fos/bethesda.htm>), open access journals must meet two requirements:

1. The author(s) and copyright holder(s) grant(s) to all users a free, irrevocable, worldwide, perpetual right of access to, and a license to copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose, subject to proper attribution of authorship as well as the right to make small numbers of printed copies for their personal use.

2. A complete version of the work and all supplemental materials, including a copy of the permission as stated above, in a suitable standard electronic format is deposited immediately upon initial publication in at least one online repository that is supported by an academic institution, scholarly society, government agency, or other well-established organization that seeks to enable open access, unrestricted distribution, interoperability, and long-term archiving (for the biomedical sciences, PubMed Central is such a repository).

Open Access journals are becoming important in the scientific world. Below are some recent updates concerning Open Access journals.

*Some journals, i.e., Neurobiology of Lipids, are making a search box available on their web site to search PubMed Central or PubMed.

*Elias Zerhouni, NIH Director suggested in a recent meeting with scientific journal publishers that all articles based in NIH-funded research will soon have to be available for free. (http://sipi.aaas.org/ipissues/updates/?res_id=365)

-- Judy Burnham

Mobile MerckMedicus

Mobile MerckMedicus comes with the MerckMedicus (merckmedicus.com). Any health care professionals may register for MerckMedicus free. *Mobile MerckMedicus* contains the Merck Manual, Pocket Guide to Diagnostic Tests, Reuters Medical News, and Journal Abstracts. Users may also input terms for future MEDLINE searches on MerckMedicus. It requires Palm OS 3.0 or higher, 8.0MB free memory for *Mobile MerckMedicus* and 1.0 MB for *Mobile MerckMedicus Lite* (without Merck Manual). For Pocket PC, it requires 9.0MB free memory for *Mobile MerckMedicus* and 1.2MB for *Mobile MerckMedicus Lite*.

TheraDoc Antibiotic Assistant is available through MerckMedicus. TheraDoc Antibiotic Assistant provides the clinician the ability to generate a patient-specific and disease-specific evidence-based antibiotic recommendation. The clinician can enter key patient demographic information and then by answering a series of disease specific questions, receive an antibiotic recommendation tailored to the needs of the patient. The Antibiotic Assistant is a tool that can provide true point of care clinical decision support. TheraDoc Antibiotic Assistant requires Palm OS 3.0 or higher, and at least 1.9MB free memory and Pocket PC 2.0MB.

-- Jie Li

Systematic Reviews

A systematic review has a clearly formulated question that uses systematic and explicit methods to identify, select and critically appraise relevant research, and to collect and analyze data from the studies that are included in the review. A study reported in BMC Medicine (<http://www.biomedcentral.com/content/pdf/1741-7015-1-2.pdf>) indicated that 80% of the systematic reviews published by clinical scientists are published in about 11% of the journals. The twenty clinical journals that published the most systematic reviews during the study period (2000) were:

- | | |
|--------------------|--------------------|
| • Cochrane Library | • Am J Med |
| • Lancet | • Stroke |
| • Arch Intern Med | • Neurology |
| • BMJ | • J Clin Oncol |
| • Ann Intern Med | • CMAJ |
| • JAMA | • J Adv Nurs |
| • J Fam Pract | • Schizophr Bull |
| • Chest | • J Rheumatol |
| • Obstet Gynecol | • Diabetes Care |
| • Spine | • J Gen Intern Med |

-- Judy Burnham

“My guess is about 300 years until computers are as good as, say, your local reference library in doing search. But we can make slow and steady progress, and maybe one day we will get there.”

--Craig Silverstein, Google director of technology,
on CBS Sunday Morning, 3/28/04

Evidence-Based Medicine Resources

Evidence-based medicine (EBM) has been defined as the “conscientious, explicit, and judicious use of current best evidence in making decisions about the care of individual patients. The practice of evidence-based medicine means integrating individual clinical expertise with the best available external clinical evidence from systematic research.”¹ The biomedical library subscribes to a variety of EBM resources, a few of which are described below:

Cochrane Library: A regularly updated collection of evidence-based medicine databases, including the Cochrane Database of Systematic Reviews and the Database of Reviews of Effectiveness (DARE), two databases that contain systematic reviews. Systematic reviews are summaries of the medical literature that use explicit methods to perform a thorough literature search and critical appraisal of individual studies and then use appropriate statistical techniques to combine these valid studies. They can be a very important tool in the practice of EBM, as they give a specific answer to a specific question. The Cochrane databases are available under Databases/Resources on the Biomedical Library’s web site.

ACP Journal Club: The editors of *ACP Journal Club* screen the top clinical journals on a regular basis, identifying studies that are both methodologically sound and clinically relevant. Enhanced abstracts of the chosen articles are written, providing a commentary on the value of the article for clinical practice. This source can be used by clinicians to quickly understand and apply important changes in medical knowledge, without having to read and synthesize for themselves thousands of journal articles. Check SOUTHcat for locations.

Clinical Evidence: Based on thorough searches and appraisal of the literature, *Clinical Evidence* summarizes the current state of knowledge and uncertainty about the prevention and treatment of clinical conditions. It describes the best available evidence from systematic reviews, random clinical trials and observational studies where appropriate, and if there is no good evidence it will state so. Check SOUTHcat for locations.

Evidence-Based Practice: This newsletter from the American Academy of Family Physicians addresses the most important questions asked by practicing family physicians, using the best sources of evidence in a brief, clinically relevant format. The answers are explained by members of the Family Practice Inquiries Network, a national consortium of academic and practicing family physicians, medical librarians, and others dedicated to translating research into practice. Available at the Medical Center Library (Mastin).

Evidence-Based Gastroenterology: The editorial board of this journal evaluates all of the latest developments by systematically searching a core group of more than 40 journals for each quarterly issue. Key studies are summarized on one page with concise structured abstracts and editorial commentaries. In-depth subject reviews are also included that examine the evidence supporting different therapeutic options for specific gastrointestinal and hepatic diseases. Methodology reviews show how to incorporate evidence-based guidelines into practice, and offer new insights into cost-effectiveness analyses, case-control studies, and randomized clinical trials. Available online under the Online Journals & Books link of the Biomedical Library’s web site.

¹ Sackett DL, Rosenberg WMC, Gray JAM, Haynes RB, Richardson WS. Evidence-based medicine: what it is and what it isn't. *BMJ* 1996; 312: 71-2.

--Clista Clanton



Update

Update

Update

Update

STAT!Ref has recently upgraded your online product! New features: “Include Related Concepts” search function; the addition of concept expansion details on the Search Summary page; a “Did You Mean:” spelling suggestion on the Results page for incorrect spelling of search terms; improved Alternative Terms page to allow selection of replacements for multiple terms; and the ability to expand/collapse bibliographic information at the bottom of content documents.

In addition to these features, users will now be asked to agree to terms of use for STAT!Ref. This feature has been implemented to protect institutions from possible end-user misuse. Users will see an End-User License Agreement (EULA) at the beginning of their session. They will only see this once per user, per machine, and usage can resume by simply clicking “Agree.”

-- Judy Burnham

SELECTED RECENT ACQUISITIONS

Location of item is in brackets following the call number.

B = Baugh Biomedical Library
(Campus)

CW = Children's & Women's
Hospital Library

MC = Medical Center Library

Ref = indicates Reference Collection

QS HUMAN ANATOMY

QS 677 W721 2003 **[B]**
Williams syndrome / edited by Carolyn B. Mervis. Lawrence Erlbaum Associates, 2003.

QZ PATHOLOGY

QZ 50 S559g 1997 **[B]**
Genetics, syndromes, and communication disorders / Robert J. Shprintzen. Singular Pub. Group, 1997.

QZ 267 C5186 2001 **[MC]**
The chemotherapy source book / edited by Michael C. Perry. 3rd ed. Lippincott Williams & Wilkins, 2001.

QZ 269 R1291 2003 **[MC]**
Radiation oncology : rationale, technique, results. / edited by James D. Cox, K. Kian Ang. 8th ed. Mosby, 2003.

WI DIGESTIVE SYSTEM

WI 149 M6647 2000 **[MC]**
Minimally invasive cancer management / edited by Frederick L. Greene, B. Todd Heniford. Springer, 2001.

WL NERVOUS SYSTEM

WL 13 M679 2004 **[B - Ref]**
The MIT encyclopedia of communication disorders / edited by Raymond D. Kent. MIT Press, 2004.

WL 340.2 C614 2004 **[B]**
Classification of developmental language disorders : theoretical issues and clinical implications / edited by Ludo Verhoeven, Hans van Balkom. Lawrence Erlbaum Associates, 2004.

WL 340.2 S7422 2004 **[B]**
Speech motor control in normal and

It's Your Collection

In spite of Alabama's current financially challenging situation, the Biomedical Library remains committed to providing the best collection possible. With that in mind, we want to encourage our students and faculty to suggest books that should be added to our collection. If you can think of a book that is related to medicine, nursing, and the various allied health disciplines, don't be shy, feel free to make a suggestion.

There are a variety of ways in which you can make book requests. You can:

- Send an email to Michael Lindsay at jmlindsay@bbl.usouthal.edu, with the book's name, author and publication date and why you think it should be added to our collection.
- Call our Reference Desk at 460-7044.
- Drop by the Biomedical Library and give us a note with the book's information on it.
- Complete the materials request form at: <http://southmed.usouthal.edu/library/docdel/forms/requform.html>

If you have any questions regarding book requests, please call Michael Lindsay at (251) 460-6894.

disordered speech / edited by Ben Maassen. Oxford University Press, 2004.

WM PSYCHIATRY

WM 475 E93 2004 **[B]**
Evidence-based treatment of stuttering : empirical bases and clinical applications / edited by Anne K. Bothe. L. Erlbaum, 2004.

WN RADIOLOGY

WN 110 C457n 2004 **[MC]**
Nuclear medicine physics : the basics / Ramesh Chandra. 6th ed. Lippincott Williams & Wilkins, 2004.

WT GERIATRICS

WT 145 H234 2000 **[B]**
The handbook of aging and cognition / edited by Fergus I.M. Craik, Timothy A. Salthouse. 2nd ed. Lawrence Erlbaum Associates, 2000.

WV OTOLARYNGOLOGY

WV 255 D464v 2004 **[B]**
Vestibular function : evaluation and treatment / Alan Desmond. Thieme, 2004.

WV 270 D633m 2001 **[MC]**
Medical-legal evaluation of hearing loss / edited by Robert A. Dobie. 2nd ed. Singular, 2001.

WV 270 M821i 2003 **[B]**
An introduction to the psychology of hearing / Brian C.J. Moore. 5th ed. Academic Press, 2003.

WX HOSPITALS AND OTHER HEALTH FACILITIES

WX 173 W824m 2001 **[MC]**
Managing HIPAA compliance : standards for electronic transmission, privacy, and security of health information / Scott C. Withrow. Health Administration Press, 2001.

Did you Know?

- You can access *Lancet* electronically via ScienceDirect all the way back to Volume 1, Issue 1 - October 5, 1823

Quality PDA Software for Physicians

Pocket Consult

On July 1, MDConsult released its updated version of MDC Mobile: Pocket Consult-the handheld resource. Registered users may access Pocket Consult from MDConsult or go to www.pocketconsult.com. If you have questions about access to MDConsult or Pocket Consult, please contact the Biomedical Library.

What is available on Pocket Consult?

- Access to Mosby's Drug Consult with over 900 drug monographs
- Mosby's Drug IX, a drug interaction tool
- 20 Free Medical Calculators
- Ability to store and record searches of MD Consult
- Access to abstracts and Tables of Contents from over 400 Journals on PubMed
- Health news and Drug Updates from MD Consult

How is Pocket Consult accessed?

After logging into MD Consult, click on the "My PDA" button located in the upper right of the MD Consult screen. First time users will have to create a new Pocket Consult account. Then follow the following four steps. Registered users will be taken into their personal Pocket Consult account.



 **Install the POCKETConsult Reader on your Mobile Device:**

 **Welcome! POCKETConsult is your avenue to expert health care content on your PDA.**
It streamlines the way you manage your handheld Elsevier products. Plus, you stay up-to-date with **FREE** clinical tools, including Mosby's Drug Consult and Interaction Tool, 20 medical calculators, plus health care news and drug updates from MD Consult.

Get Started in 4 Easy Steps!

STEP 1: [Check That Your Device and Computer Meet the Necessary Requirements](#)

STEP 2: [Create Your User Profile and Select Your PDA Settings](#)

STEP 3: [Download and Install the POCKETConsult Software](#)

STEP 4: [Synchronize Your PDA Application and Content](#)

[START WITH STEP 1 >](#)

For installation problems, please call [Customer Support at 1-800-401-9962](tel:1-800-401-9962).

What are the requirements for Pocket Consult?

- Operating System: Windows NT, 2000, 98, ME, or XP
- Free Hard Drive Space: 8MB
- Browser: Internet Explorer 5 or higher (it does not work on Netscape)
- Mobile Device: Minimum 1.5MB of free space
- Mobile Conduit: HotSync 4.1 or Active Sync 3.7.1
- Memory Sticks Supported: CompactFlash, SecureDigital and Sony Memory Stick external storage cards

-- Jie Li

More from MDConsult

New features of MDConsult include:

- Can search journal citations with the focus based on diagnosis, etiology, prognosis or therapy
- Over 1000 new patient education handouts added
- Clinical Insights added under Current Practice – gives prevalent thinking on current topics by leading specialists
- Printing will now expand images to full size and users will be able to specify which pages they would like to print
- A "Sort By" dropdown box will make sorting easier

-- Judy Burnham

*In the nonstop tsunami
of global information,
librarians provide us
with floaties and
teach us how to swim.*

-- Linton Weeks, Washington
Post Staff Writer

Faculty Publications

Listed below are journal publications by USA faculty indexed in MEDLINE, CINAHL, and Current Contents for May through August 20, 2004. Department chairs are asked to submit citations of recent publications by their department members. If we missed your latest contribution to the literature, please notify the Editor so it can be included in a future listing. New faculty are encouraged to submit their latest publications to the Editor (gstagg@bbl.usouthal.edu).

- Adeniji OA. Barnett CB. Di Palma JA. Durability of the diagnosis of irritable bowel syndrome based on clinical criteria. *Digestive Diseases & Sciences*. 49(4):572-4, 2004 Apr.
- Alaibadi Z. Ezell OL. Preventing and treating diabetic foot ulcers. *Clinical Advisor*. 7(3):28, 29-32, 2004 Mar.
- Alam MS. Goh SF. Three-dimensional fringe-adjusted joint transform correlation. *Applied Optics*. 43(18):3680-5, 2004 Jun 20.
- Alexeyev MF. Roberts RA. Daugherty RM. Audia JP. Winkler HH. Cysteine-scanning mutagenesis and thiol modification of the *Rickettsia prowazekii* ATP/ADP translocase: evidence that transmembrane regions I and II, but not III, are structural components of the aqueous translocation channel. *Biochemistry*. 43(22):6995-7002, 2004 Jun 8.
- Ali S. Davidson DL. Gremse DA. Comparison of fentanyl versus meperidine for analgesia in pediatric gastrointestinal endoscopy. *Digestive Diseases & Sciences*. 49(5):888-91, 2004.
- Balczon R. Wilson M. Bhatnagar YM. Analysis of detached human kinetochores. *Chromosoma*. 112(2):96-102, 2003 Aug.
- Browner NC. Sellak H. Lincoln TM. Downregulation of cGMP-dependent protein kinase expression by inflammatory cytokines in vascular smooth muscle cells. *American Journal of Physiology - Cell Physiology*. 287(1):C88-96, 2004 Jul.
- Casado B. Pannell LK. Viglio S. Iadarola P. Baraniuk JN. Analysis of the sinusitis nasal lavage fluid proteome using capillary liquid chromatography interfaced to electrospray ionization-quadrupole time of flight-tandem mass spectrometry. *Electrophoresis*. 25(9):1386-93, 2004 May Sp. Iss.
- Coggin JH. Rohrer JW. Barsoum AL. True immunogenicity of oncofetal antigen/immature laminin receptor protein. *Cancer Research*. 64(13):4685, 2004 Jul 1.
- Daugherty RM. Linka N. Audia JP. Urbany C. Neuhaus HE. Winkler HH. The nucleotide transporter of *Caedibacter caryophilus* exhibits an extended substrate spectrum compared to the analogous ATP/ADP translocase of *Rickettsia prowazekii*. *Journal of Bacteriology*. 186(10):3262-5, 2004 May.
- Dougherty FC. Donovan FM Jr. Townsley MI. Harmonic analysis of perfusion pumps. *Journal of Biomechanical Engineering*. 125(6):814-22, 2003 Dec.
- Faye RS. Aamdal S. Hoifodt HK. Jacobsen E. Holstad L. Skovlund E. Fodstad O. Immunomagnetic detection and clinical significance of micrometastatic tumor cells in malignant melanoma patients. *Clinical Cancer Research*. 10(12):4134-9, 2004, Part 1 Jun 15.
- Fell DW. Progressing therapeutic intervention in patients with neuromuscular disorders: a framework to assist clinical decision making. *Journal of Neurological Physical Therapy*. 28(1):35-46, 2004.
- Gard AL. Gavin E. Solodushko V. Pennica D. Cardiotrophin-1 in choroid plexus and the cerebrospinal fluid circulatory system. *Neuroscience*. 127(1):43-52, 2004.
- Gebb S. Stevens T. On lung endothelial cell heterogeneity. *Microvascular Research*. 68(1):1-12, 2004 Jul.
- Gerges NZ. Tran IC. Backos DS. Harrell JM. Chinkers M. Pratt WB. Esteban JA. Independent functions of hsp90 in neurotransmitter release and in the continuous synaptic cycling of AMPA receptors. *Journal of Neuroscience*. 24(20):4758-66, 2004 May 19.
- Gonzalez RP. Turk B. Luterman A. New advances in critical care. *Current Surgery*. 60(3):230-4, 2003 May-Jun.
- Gremse DA. Donnelly JR. Kukulka MJ. Lloyd E. Lee C. A novel option for dosing of proton pump inhibitors: dispersion of lansoprazole orally disintegrating tablet in water via oral syringe. *Alimentary Pharmacology & Therapeutics*. 19(11):1211-5, 2004 Jun.
- Gross KL. Cioffi EA. Scammell JG. Increased activity of the calcineurin-nuclear factor of activated T cells pathway in squirrel monkey B-lymphoblasts identified by PowerBlot (TM). *In Vitro Cellular & Developmental Biology-Animal*. 40(1-2):57-63, 2004.
- Haist SA. Griffith CH. Hoellein AR. Talente G. Montgomery T. Wilson JF. Improving students' sexual history inquiry and HIV counseling with an interactive workshop using standardized patients. *Journal of General Internal Medicine*. 19(5):549-53, 2004 May Part 2.
- Hsia CCW. Berberich MA. Driscoll B. Laubach VE. Lillehei CW. Massaro C. Perrett EA. Pierce RA. Rannels DE. Ryan RM. Tepper RS. Townsley MI. Veness-Meehan KA. Wang N. Warburton D. ATS. Mechanisms and limits of induced postnatal lung growth. *American Journal of Respiratory and Critical Care Medicine*. 170(3):319-43, 2004 Aug 1.
- Hubbard TJ. Kaminski TW. Vander Griend RA. Kovaleski JE. Quantitative assessment of mechanical laxity in the functionally unstable ankle. *Medicine and Science in Sports and Exercise*. 36(5):760-6, 2004 May.
- Ihida-Stansbury K. McKean DM. Gebb SA. Martin JF. Stevens T. Nemenoff R. Akesson A. Vaughn J. Jones PL. Paired-related homeobox gene *Prx1* is required for pulmonary vascular development. *Circulation Research*. 94(11):1507-14, 2004 Jun 11.
- King K. Wood BS. Enochs PE. Rodning CB. Tensionless spigelian herniorrhaphy using a bilayered prosthetic patch: historical, anatomical, diagnostic, and operative perspectives. *International Surgery*. 89(2):107-14, 2004 Apr-Jun.
- King J. Ofori-Acquah S. Stevens T. Al-Mehdi AB. Potential role for activated leukocyte cell adhesion molecule and neural cadherin in metastasis to the lung microcirculation. *Chest*. 125(5):150S-1S, 2004 May Suppl.
- Koo JH. Gill S. Pannell LK. Menco BPM. Margolis JW. Margolis FL. The interaction of Bex and OMP reveals a dimer of OMP with a short half-life. *Journal of Neurochemistry*. 90(1):102-16, 2004, Jul.
- Krieg T. Yang XM. Downey JM. Schaffer SW. Cohen MV. Augmented taurine release is not the mechanism of ischemic preconditioning's cardioprotection. *Amino Acids*. 26(3):263-6, 2004 Jun.
- Lee RR. Treating sports injuries of weekend warriors. *Clinical Advisor*. 7(4):38-9, 43-4, 46, 2004 Apr.
- Li J. Free quality PDA software for physicians. *Journal of Electronic Resources in Medical Libraries*. 1(1):69-88, 2004.
- Lincoln TM. Cyclic GMP and phosphodiesterase 5 inhibitor therapies: what's on the horizon? *Molecular Pharmacology*. 66(1):11-3, 2004 Jul.
- Maggon K. Barik S. New drugs and treatment for respiratory syncytial virus. *Reviews in Medical Virology*. 14(3):149-68, 2004.
- Malmstrom RR. Kiene RP. Cottrell MT. Kirchman DL. Contribution of SAR11 bacteria to dissolved dimethylsulfoniopropionate and amino acid uptake in the North Atlantic ocean. *Applied and Environmental Microbiology*. 70(7):4129-35, 2004 Jul.
- Manci EA. Culberson DE. Gardner JM. Brogdon BG. Shah AK. Holladay JE. Powell RW. Mankad VN. Perivascular fibrosis in the bone marrow in sickle cell disease. *Archives of Pathology & Laboratory Medicine*. 128(6):634-9, 2004 Jun.
- McGee DJ. Zabaleta J. Viator RJ. Testerman TL. Ochoa AC. Mendz GL. Purification and characterization of *Helicobacter pylori* arginase, RocF: unique features among the arginase superfamily. *European Journal of Biochemistry*. 271(10):1952-62, 2004 May.
- Milanowski DJ. Gustafson KR. Rashid MA. Pannell LK. McMahon JB. Boyd MR. Gymnangiamide, a cytotoxic pentapeptide from the marine hydroid *Gymnangium regae*. *Journal of Organic Chemistry*. 69(9):3036-42, 2004 Apr 30.

- Pai HV. Kommaddi RP. Chinta SJ. Mori T. Boyd MR. Ravindranath V. A frameshift mutation and alternate splicing in human brain generate a functional form of the pseudogene cytochrome P4502D7 that demethylates codeine to morphine. *Journal of Biological Chemistry*. 279(26):27383-9, 2004 June 25.
- Pappolla MA. Bryant-Thomas TK. Herbert D. Pacheco J. Garcia F. Manjon M. Girones X. Henry TL. Matsubara E. Zambon D. Wolozin B. Sano M. Cruz-Sanchez FF. Thal LJ. Petanceska SS. Refolo LM. Mild hypercholesterolemia is an early risk factor for the development of Alzheimer amyloid pathology. *Neurology*. 61(2):199-205, 2003 Jul 22.
- Pearsall AW. Stokes DA. Russell GV. Internal jugular deep venous thrombosis after surgical treatment of a humeral nonunion: a case report and review of the literature. *Journal of Shoulder and Elbow Surgery*. 13(4):459-62, 2004 Jul-Aug.
- Philipp S. Dietz R. Willenbrock R. OCTAVE and OPERA: discordance in antihypertensive treatment. *Herz*. 29(3):266-70, 2004 May.
- Pruitt WC. Clinical perspectives. Speaking, plugging, and decannulation: caring for the patient with a tracheostomy. *AARC Times*. 27(9):48, 50, 52 passim, 2003 Sep.
- Pruitt WC. Invasive pulmonary testing: bronchoscopy. *RT: The Journal for Respiratory Care Practitioners*. 16(6):34-5, 2003.
- Qin QN. Yang XM. Cui L. Critz SD. Cohen MV. Browner NC. Lincoln TM. Downey JM. Exogenous NO triggers preconditioning via a cGMP- and mitoK(ATP)-dependent mechanism. *American Journal of Physiology-Heart and Circulatory Physiology*. 287(2):H712-8, 2004 Aug.
- Qin AP. Tucker AM. Hines A. Wood DO. Transposon mutagenesis of the obligate intracellular pathogen *Rickettsia prowazekii*. *Applied and Environmental Microbiology*. 70(5):2816-22, 2004 May.
- Rachek LI. Grishko VI. Alexeyev MF. Pastukh VV. LeDoux SP. Wilson GL. Endonuclease III and endonuclease VIII conditionally targeted into mitochondria enhance mitochondrial DNA repair and cell survival following oxidative stress. *Nucleic Acids Research*. 32(10):3240-7, 2004.
- Reilly JP. Kaminski J. Summers JB. The three R's: radiation for restenotic renals? *Southern Medical Journal*. 96(11):1094-5, 2003, Nov.
- Retzlaff-Roberts D. Chang CF. Rubin RM. Technical efficiency in the use of health care resources: a comparison of OECD countries. *Health Policy*. 69(1):55-72, 2004 Jul.
- Rezk Y. Huff C. Rizk B. Effect of glutamine on preimplantation mouse embryo development in vitro. *American Journal of Obstetrics & Gynecology*. 190(5):1450-4, 2004 May.
- Ritchie MH. Fillmore RA. Lausch RN. Oakes JE. A role for NF-kappa B binding motifs in the differential induction of chemokine gene expression in human corneal epithelial cells. *Investigative Ophthalmology & Visual Science*. 45(7):2299-305, 2004 Jul.
- Rohling ML. Williamson DJ. Miller LS. Adams RL. Using the Halstead-Reitan Battery to diagnose brain damage: a comparison of the predictive power of traditional techniques to Rohling's Interpretive Method. *Clinical Neuropsychologist*. 17(4):531-43, 2003 Nov.
- Sayner SL. Frank DW. King J. Chen HR. VandeWaa J. Stevens T. Paradoxical cAMP-induced lung endothelial hyperpermeability revealed by *Pseudomonas aeruginosa* Exoxy. *Circulation Research*. 95(2):196-203, 2004.
- Sjoholm A. ALLHAT: a critical assessment. *Blood Pressure*. 13(2):75-9, 2004.
- Summers JB. Kaminski J. Two cases of spontaneous epidural abscess in patients with cirrhosis. *Southern Medical Journal*. 96(9):943, 2003 Sep.
- Summers JB. Kaminski J. Inadequate staple removal a concern for burn specialists and radiologists. *Burns*. 30(5):502, 2004 Aug.
- Summers JB. Kaminski JM. More on writing good case reports. *Journal of Orthopaedic & Sports Physical Therapy*. 34(7):410, 2004.
- Taylor AE. Fullerene derivatives protect against oxidative stress in murine macrophage line cells and ischemia-reperfused lungs. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*. 287(1):R1-R2, 2004 Jul.
- Townsend KA. Marlowe KF. Relative safety and efficacy of finasteride for treatment of hirsutism. *Annals of Pharmacotherapy*. 38(6):1070-3, 2004 Jun.
- Tucker JA. Spock A. Spicer SS. Shelburne JD. Bradford W. Inspissation of pancreatic zymogen material in cystic fibrosis. *Ultrastructural Pathology*. 27(5):323-35, 2003.
- Turrens JF. Mitochondrial formation of reactive oxygen species. *Journal of Physiology*. 552(Pt 2):335-44, 2003 Oct 15.
- University of South Alabama Headache Center. Headache as an initial symptom of basilar artery thrombosis. *Headache*. 44(5):443, 2004.
- University of South Alabama Headache Center. Headache from chronic subdural hematoma: negative CT, positive MRI. *Headache*. 44(6):623, 2004 Jun.
- University of South Alabama Headache Center. An alarming triad: diabetes, facial pain, and evidence of infection. *Headache*. 44(7):722, 2004 Jul-Aug.
- Varner JM. ASNA independent study activity-compassion fatigue. *Alabama Nurse*. 31(1):30; quiz 31, 2004 Mar-May.
- Yuskiv N. Andelin CO. Polischuk S. Shevchuk O. Sosynuk Z. Vihovska T. Yevtushok L. Oakley GP. Wertelecki W. High rates of neural tube defects in Ukraine. *Birth Defects Research Part A - Clinical and Molecular Teratology*. 70(6):400-2, 2004 Jun.
- Zabaleta J. McGee DJ. Zea AH. Hernandez CP. Rodriguez PC. Sierra RA. Correa P. Ochoa AC. *Helicobacter pylori* arginase inhibits T cell proliferation and reduces the expression of the TCR zeta-chain (CD3 zeta). *Journal of Immunology*. 173(1):586-93, 2004.
- Zhu B. Kelly J. Vemavarapu L. Thompson WJ. Strada SJ. Activation and induction of cyclic AMP phosphodiesterase (PDE4) in rat pulmonary microvascular endothelial cells. *Biochemical Pharmacology*. 68(3):479-91, 2004 Aug 1.
- Ziel KA. Campbell CC. Wilson GL. Gillespie MN. Ref-1/Ape is critical for formation of the hypoxia-inducible transcriptional complex on the hypoxic response element of the rat pulmonary artery endothelial cell VEGF gene. *FASEB Journal*. 18(6):NIL-116-NIL-132, 2004.
- Zweifler RM. Voorhees ME. Mahmood MA. Parnell M. Rectal temperature reflects tympanic temperature during mild induced hypothermia in nonintubated subjects. *Journal of Neurosurgical Anesthesiology*. 16(3):232-5, 2004 Jul.

Shift From Print Journals to Electronic Access

These have been challenging times for the library in terms of providing journals to our students and teaching faculty. A quick glance at the last Biofeedback tells the tale:

- 91% of the Library's material budget allocated for periodicals in 2003-2004.
- 39% average increase in cost of journal subscriptions between 2000-2004.*
- 8.5% projected increase in cost of U.S. science periodicals for 2005.*
- 9.0% projected increase in cost of non-U.S. science periodicals for 2005.*

Given these facts, the library must make changes in the way in which we obtain journals. With this in mind, we will explore moving as many journals as possible from print to electronic, where that is cost-effective. I would urge faculty members to inform me if there is a journal that you feel must be kept in print. My email is jmlindsay@bbl.usouthal.edu and I can be reached by telephone at (251) 460-6894.

--Michael Lindsay

*Van Orsdel L, Born K. Closing in on Open Access. *Library Journal*, 129(7):45-50, April 15, 2004.

inhibits T cell proliferation and reduces the expression of the TCR zeta-chain (CD3 zeta). *Journal of Immunology*. 173(1):586-93, 2004.

Zhu B. Kelly J. Vemavarapu L. Thompson WJ. Strada SJ. Activation and induction of cyclic AMP phosphodiesterase (PDE4) in rat pulmonary microvascular endothelial cells. *Biochemical Pharmacology*. 68(3):479-91, 2004 Aug 1.

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Zweifler RM. Voorhees ME. Mahmood MA. Parnell M. Rectal temperature reflects tympanic temperature during mild induced hypothermia in nonintubated subjects. *Journal of Neurosurgical Anesthesiology*. 16(3):232-5, 2004 Jul.

TOXNET Update (<http://toxnet.nlm.nih.gov/>)

TOXNET is a group of databases on toxicology, hazardous chemicals, and related areas. Databases included are:

HSDB® (Hazardous Substances Data Bank) is a comprehensive, scientifically reviewed, factual database for toxic or potentially toxic chemicals. It contains extensive information in such areas as toxicity, environmental fate, human exposure, chemical safety, waste disposal, emergency handling, and regulatory requirements.

TOXLINE® is a bibliographic database covering the biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals.

ChemIDplus provides access to structure and nomenclature information for the identification of chemical substances cited in NLM databases. A new ChemIDplus Lite version is available for Name and Registry Number searching without the need for plug-ins or applets.

IRIS (Integrated Risk Information System) is an online database that contains EPA carcinogenic and non-carcinogenic health risk assessment and regulatory information on over 500 chemicals. The risk assessment data have been scientifically reviewed by groups of EPA scientists and represent EPA consensus. IRIS also contains literature references.

ITER (International Toxicity Estimates for Risk) contains data in support of human health risk assessments. ITER provides a comparison of international risk assessment information in a side-by-side format and explains differences in risk values derived by different organizations

TRI (Toxic Chemical Release Inventory) contains information on the annual estimated releases of toxic chemicals to the environment for the reporting years 1987-2001.

CCRIS (Chemical Carcinogenesis Research Information System) is a factual data bank that contains evaluated data and information, derived from both short and long-term bioassays on over 8,000 chemicals. Studies relate to carcinogens, mutagens, tumor promoters, cocarcinogens, metabolites and inhibitors of carcinogens.

GENE-TOX is a data bank with genetic toxicology test results on over 3,000 chemicals.

DART®/ETIC (Developmental and Reproductive Toxicology/Environmental Teratology Information Center) is a bibliographic database covering teratology and developmental toxicology literature published since 1950.

Now three additional databases can be searched via TOXNET:

HPD (Household Products Database) is a resource that provides information on the potential health effects of chemicals contained in more than 4,000 common household products used inside and around the home.

Haz-Map® is an occupational toxicology database designed primarily for health and safety professionals, but also for consumers seeking information about the health effects of exposure to chemicals at work. It links jobs and hazardous tasks with occupational diseases and their symptoms.

TOXMAP uses maps of the United States to show the amount and location of toxic chemicals released into the environment.

--Judy Burnham

e-health

Impact of Health Information on the Internet

An article in the July-September 2003 issue of the Journal of Medical Internet Research indicated that 85% of patients have come to the office visit with information obtained from the Internet. Some of the information obtained on the Internet by consumers may be inaccurate or biased. The AVOCADO mnemonic (<http://southmed.usouthal.edu/library/ref/pathfinders/avocado.htm>) can help you and your patients determine the quality of health information from the Internet:

Accuracy, **V**alue, **O**rganization, **C**overage, **A**uthority, **D**ate and **O**bjectivity

--Judy Burnham

Skyscape Offers Two Free PDA Resources

.911 is a resource that incorporates content from Outlines in Clinical Medicine/Medical Emergencies (OCM/911), The Medical Letter and the Centers for Disease Control and Prevention (CDC) to provide medical professionals with the latest information on SARS and other potentially rapidly-spreading diseases, including bio-terrorism agents. It also includes all CDC-SARS health alerts, recommended responses, and an FAQ about SARS, along with the latest information on signs and symptoms, treatments, as well as specific recommendations for prevention and control. Other topics via .911 include information on bio-terrorist agents including Anthrax and Smallpox. This can serve as a reference for diagnosis to treatments to available vaccines, and provides doctors, nurses, EMTs and other medical professionals information on these new threats on via their handheld computers at the point of care.

ARTbeat provides continuously updated content with gold-standard medical references. PCD is a free channel that's included with every download of ARTbeat. Additional free channels include: CDC Spotlights, MedWatch and Connections. ARTbeat channels automatically smARTlinks with other channel information and with traditional "powered by Skyscape" reference content on the handheld.

Both resources can be downloaded from <http://www.skyscape.com> using Internet Explorer.

--Judy Burnham

National Library of Medicine Releases PDA System for First Responders

The National Library of Medicine Division of Specialized Information Services has released a PDA system that is designed to assist first responders during hazardous materials incidents. WISER (Wireless Information System for Emergency Responders), <http://wiser.nlm.nih.gov>, provides a wide range of information on hazardous substances, including chemical identification support, physical characteristics, emergency medical treatment, containment and suppression information. It is currently available only on Palm OS.

--Judy Burnham

Clinical Pharmacology OnHand



In the pharmacy, at the office, at the hospital, in the classroom, in the examination room, while traveling – wherever you are, you can make informed medication decisions by insuring that you always have the best possible drug information resource on hand – Clinical Pharmacology OnHand. A ground breaking leader in cutting-edge electronic drug information, tools and delivery for over a decade, Gold Standard has leveraged its award-winning Clinical Pharmacology drug database and interactive technology to design an "OnHand" application that provides the most comprehensive drug information and medication management resource to fit on a PDA.

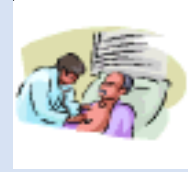
Written by pharmacists who have been formally trained in drug information, Clinical Pharmacology OnHand excels in providing up-to-date, peer-reviewed, clinically-relevant drug content and the necessary tools critical to efficient job performance, effective "think on your feet" medication management skills, enhanced patient care for better health outcomes, and the avoidance of costly and hazardous medication errors to safeguard patients and the healthcare professionals/organizations who care for them. Fast, reliable and easy-to-use, OnHand supplies you with a mountain of important, need-to-know drug data that fits right in your pocket, and instantly gives you the accurate answers you need – when, where and how you need them.

Clinical Pharmacology OnHand

- Extensive, peer-reviewed drug content
- Drug descriptions, indications, interactions, precautions/contraindications, classifications, adverse reactions, pregnancy/lactation, administration and dosage forms/strengths
- Pediatric, adult, geriatric, hepatic and renal dosing, and dosage limits, specific to indication, including off-label uses
- Search capabilities by generic or brand name, indication, classification, precaution or adverse reaction
- Personal notes capabilities to save your individual reminders and records

PLUS, you get a quick-acting, intuitive drug interactions report tool for checking combinations of prescription drugs, OTC, herbal and nutritional products for potential interactions – includes severity rankings and screening for lifestyle factors such as caffeine, food, alcohol, enteral feedings, grapefruit juice and tobacco.

Clinical Pharmacology OnHand (<http://www.cponhand.gsm.com/>) is available free for faculty and students of the University of South Alabama and can be downloaded when connected at a University IP authenticated site.



SOUTHmed Update

An article published in a 2004 issue of *Quality and Safety in Healthcare* revealed that librarians could improve the safety of medical care by participating in patient safety initiatives. With patient safety an emphasis by the Joint Commission on Accreditation of Healthcare Organizations, the skills of a librarian would be an asset to hospitals. The article states that “A librarian’s expertise in accessing the evidence base could enhance the safety and appropriateness of care in a clinical environment.” Librarians could apply the knowledge management skills to enhance patient safety. This article recounts the incident at Johns Hopkins where a 24-year-old female volunteer died during the course of a research study because an adequate literature search had not been conducted. These same knowledge management skills can also contribute to the business side of medicine.

For information on how the SOUTHmed Information Network can provide you with library resources and services, contact Judy Burnham, jburnham@jaguar1.usouthal.edu or (251) 460-6888. SOUTHmed can provide searches of the literature, copies of articles, training sessions and much more. Information on SOUTHmed can be found at <http://southmed.usouthal.edu/library/outreach/index.html>

-- Judy Burnham

BIOFEEDBACK
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Mobile, AL 36688-0002