

Anesthesia Grand Rounds 07/03/12
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Go Live Demonstration

Tour the Toolkit

Start at **Health Sciences Library home page**, point out where the Toolkits are – can use other Toolkits when on off-service rotations

Home page

- Quick links and widget boxes to useful resources when you are in a hurry
- Please use the feedback box and help use improve, or send a link to a web page you feel we should include
- If you like a particular Health Science Database (other than PubMed, SCOPUS and EMBASE) say **Clinical Evidence** at the BMJ - link to it through this Other Databases by Subject hyperlink and you will have access to articles in this database through the GetIt@UML button

Services

- House calls (mentioned earlier) are available at the hospital libraries (St. B, Grace etc. and NJM)
- Loansome Doc (I will mention in a few minutes)

Tabbed environment

For example, **Continuing Professional Development** where you will find amongst other things:

- Library seminars
- Some Podcasts and Blogs
- Access to Anesthesia Organizations
- All the peer-reviewed ASA refresher courses from 1973 to 2011
- Bloody Easy - Online version and the pdf of Bloody Easy 3

Clinical Tab – another stop on the search for tertiary and secondary literature

- ASA practice guidelines & advisories & associated pdf's

Return to Home Page –

PubMed and MyNCBI

Example: PPH & TranX

Toolkit Home Page – PubMed – Hit Search without putting anything in the box

Use drop down list to switch to MeSH database

PubMed MeSH database

Search post partum hemorrhage
Restricted to major MeSH [Majr]
Add to search builder
Search PubMed

Now in PubMed
Search tranexamic acid as a key word

Go to Advanced
Combine the searches in the box
Search
~21 results

Apply limits
Humans, English, meta-analyses, review, practice guidelines (secondary literature)
~6 results

Select first 4 articles – Point out one of the articles is from Cochrane

Send to:

Email as abstract
Clipboard

- At any time you can Change display settings to ABSTRACT and see GetIt@UML button
- Click GetIT@UML – show the link to full text and the More options (+)
- IF you ARE NOT able to link to the full text via the library subscription, it is because you do not have faculty, resident or WRHA status. If this is the case, THEN open Send, click to ORDER:
 - Register with Loansome Doc (free – see services box on Home page) or Sign in if you have registered already
 - Select NJM as your library
 - The document delivery staff at the circulation desk will send you a link to the article electronically via the MHIKNET service

Clipboard

Demonstrate Send to COLLECTIONS

- Create new collection
- Enter a name for your collection
- Hit Save (May need to Login to My NCBI at this point)

Where is it saved?? My NCBI

- Login to MyNCBI (National Center for Biotechnology Information)

Sign in to MyNCBI with your user name and password

Create new collection
Save collection as PPH & TranX

Return to Resources – Literature – PubMed - Advanced

Find your search in the list
Say you really like this search and want to monitor this topic regularly and automatically.
Your search strategy can be saved and the results emailed to you.....
Here is how:

Open search in main PubMed page

NCBI Resources How To My NCBI Sign In

PubMed #2 AND #3 Search

US National Library of Medicine National Institutes of Health

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to: Clipboard: 4 items

Limits Activated: Humans, Meta-Analysis, Practice Guideline, Review, English Change Remove

Filter your results: All (6) English & Humans (6) Manage Filters

Results: 6

- Antifibrinolytic therapy with tranexamic acid in pregnancy and postpartum. Peitsidis P, Kadir RA. Expert Opin Pharmacother. 2011 Mar;12(4):503-16. Epub 2011 Feb 4. Review. PMID: 21294602 [PubMed - indexed for MEDLINE] Related citations Item in clipboard
- Tranexamic acid for preventing postpartum haemorrhage. Novikova N, Hofmeyr GJ. Cochrane Database Syst Rev. 2010 Jul 7;(7):CD007872. Review. PMID: 20614728 [PubMed - indexed for MEDLINE]

Find related data Database: Select Find items

Search details

See Save Search under the widget box
Click to open:

- Name your search
- Click save
- Check the correct email address (taken from MyNCBI)
- Choose alert frequency from drop down list
- Change Format to Abstract
- Select number of items to send
- Click save

EBM tab – Metasearch engines - TRIP database

Enter 'postpartum hemorrhage AND tranexamic acid' in search box

Demonstrate features of left column

Select all secondary evidence

Look at search results under centre column

Point out the year may not match year in PubMed because electronic publication appears in advance of paper

Point out right column 'Associated Results'

Beauty is a world-view of available resources – example of how this can be helpful – recent change in preoperative fasting guidelines – more written about this in Europe than North America

The TRIP Database is a clinical search engine, started in 1997 by two clinicians who wanted to answer real clinical questions in an efficient way using the principles of evidence-based medicine.

TRIP allows the simultaneous searching of multiple sites, hence speeding up the question answering process. They work with the Department of Family Medicine at Laval University to help identify and appraise sites in a systematic manner.

In 2006, a team from the Centre for Evidence-Based Medicine at Oxford (www.cebm.net) led by Professor Paul Glasziou evaluated the site. Now an Advisory group gives input into the development of the site.

Note: The PubMed box is also in the EBM tab

EBM tab – Cochrane library

Our PubMed search with meta-analysis limits picked up the systematic review from Cochrane. All Cochrane systematic reviews (~5000 now) are indexed in PubMed. So there is no need to search the Cochrane library independently UNLESS you want information contained in one of the other 5 of six databases it contains such as health technology or economic analyses.

If you are conducting a systematic review yourself, then perhaps it would be helpful to ask for the assistance of a librarian in developing the search and retrieval strategy.

EBM tab - Practice Guidelines (another example of secondary literature i.e. filtered)

Search “intravascular catheter infection”

CMA Infobase – included in TRIP

- nothing
- works if you use catheter infection (POOR search engine – TRIP accesses this database – Better to use TRIP)
- Show where you can submit a guideline, the criteria and the handbook for creating guidelines

AHRQ – show guideline comparison feature

So, in summary, if searching for secondary literature (systematic reviews, meta-analyses, review articles, practice guidelines)

What would I do?

First step – PubMed

Second step – TRIP

Third step – An organization, such as the ASA, that produces guidelines

Fourth step – AHRQ (for guidelines)

Before leaving the EBM tab – Point out the left column

Teach yourself EBM – note JAMA evidence

See the resources for critical appraisal of practice guidelines (AGREE) and meta-analyses or systematic reviews (PRISMA)

Some other resources for learning How to Read a Paper, statistics help, registering your clinical trial or looking at trials already registered, taking the mandatory ethics course at UM if you are planning to conduct research yourself

Tertiary resources – For answering Background questions that begin with Who, What, When, Where, Why, How?

Available on the EBM tab and one on the Home page
Called Point of Care Tools

1. First consult

Great for PAC clinic

Pheochromocytoma

Show the features including DDX, Hx & Px questions, order of tests AND another source for guidelines

Fragile X

2. **UpToDate**

Great on the fly

Intentionally misspelled search desferrioxamine = deferoxamine

Acute iron poisoning

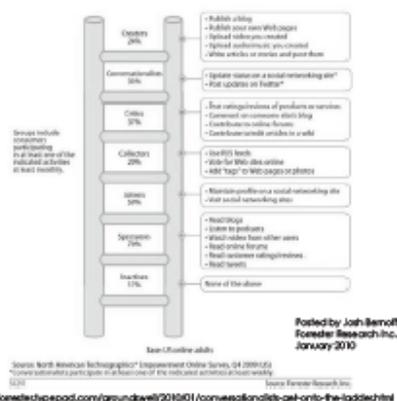
Graphics - Rapid overview of acute iron intoxication

Mobile Tab

Back to PPT presentation

If you are a visitor to this Department of Anesthesia & Perioperative Medicine Educational Event and wish to have your attendance recorded and reported back to you please visit the Departmental website at <http://umanitoba.ca/faculties/medicine/anesthesia/>

and follow the links Departmental News → Educational Event Attendance/Evaluation please log in with the following credentials:
username: visitor
password: visitor



The New Reality



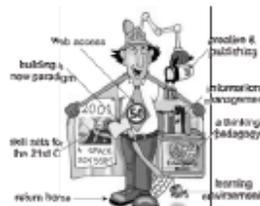
Volume
Velocity
Relevance

- + 724,831 publications were added to PubMed in 2011
- + Tablet ownership doubled in 6 months (2011 – 2012)
- + 83% of patients earning >\$75,000/yr access health information online

<http://www.rnnp.org/textbook/healthinfo/healthinfo.html>

The New Librarian

- + A partner, collaborator, educator and colleague
- + Trusted curator of content
- + Search & find wizard
- + Enabler to information
 - Access
 - Aggregation
 - Assessment
 - Storage
- + Social networking savvy
- + Web & technology savvy
- + Skilled in EBM, critical appraisal
- + Virtual or Real – They make House Calls! – See 'Services' box



Library Seminar Topics

- + **Keep current with your literature:** Get the latest information, customized & delivered to your desktop or mobile device from journals, PubMed searches, blogs & news
- + **Find Practice Guidelines:** Learn to search PubMed, Web Databases, National Guidelines Clearinghouse, Professional Websites, Google & CMAA Profiles for current clinical practice guidelines
- + **Write an Info-Box for your patient:** Learn where to direct your patients for best evidence on the Internet. Help patients evaluate consumer health websites
- + **Ask clinical questions in PubMed:** Create clinical questions using the PICO model. Search PubMed. Discover stat
- + **Mendeley:** Free, easy to use tool with others via social networking. Cmp
- + **Use Endnote, Networks, Re**
- + **Search Scopus & EMBASE**
- + **Choose a Mobile Device**
- + **How do I set up a RSS Feed**

Library Sponsored Events

- Keeping Current with the Literature - Moodle
- Keeping Current with the Literature - Moodle
- Keeping for Good Evidence
- Cochrane Library
- PubMed - Basics
- PubMed - Basics

View Website
View RSS Feed

Find this box on the CPD Tab

Usage Stats

Toolkit introduced by email June 14th, 2011

Tab	Jan	Jul	Aug	Sep	Oct	Nov	Dec	Total
Books Journals Articles	60	107	142	208	243	303	173	1254
Clinical	38	61	80	118	82	109	60	566
Consumer Health	24	22	9	9	4	18	3	90
CPD	23	30	18	15	12	36	9	147
EBM	28	45	34	61	22	41	39	270
Home	128	328	330	450	436	568	459	2870
How do I?	23	16	11	12	5	14	4	85
Mobile	29	41	23	31	14	40	38	216
Present Teach	24	27	20	17	9	25	7	129
Procedural	22	69	29	72	40	50	20	302
Store Write Cite	22	33	18	31	10	30	10	154
Totals	421	779	714	1024	877	1234	822	6083

Top 5 in January 2012

Books	Journals
+ Anesthesia / Miller	+ Anesthesia and analgesia
+ Clinical Anesthesia / Barash	+ British journal of anaesthesia
+ Stoelting's Anesthesia & Coexisting Disease	+ Anesthesiology
+ Basics of Anesthesia / Miller	+ Canadian Journal of anaesthesia
	+ Anaesthesia
+ Tied:	+ Tied:
+ A Practice of Anesthesia for Infants and Children / Cole	+ Acta anaesthesiologica scandinavica
+ Obstetric Anesthesia / Chestnut	+ Anaesthesia and intensive care medicine
	+ Anesthesiology Clinics of NA
	+ Pediatric anesthesia

Tab hits January 2012

Books Journals Articles	
Clinical	79
Consumer Health	6
CPD	14
EBM	35
Home	506
How do I?	6
Mobile	11
Present Teach	11
Procedural	21
Store Write Cite	14
Totals	957

Tools in the Toolkit



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Associate Professor, Department of Anesthesia, UoM
Course Director, Library & Biomedical Informatics



Objectives

Each participant leaves these Rounds having learned:

- + At least one (hopefully many) helpful means of retrieving high quality 3rd & 2nd information efficiently
- + How the Toolkit is structured
- + The library services available virtually, physically & collaboratively to support your academic endeavors
- + Where to find mobile equivalents



Health Science Libraries

Access @ Circulation Desk

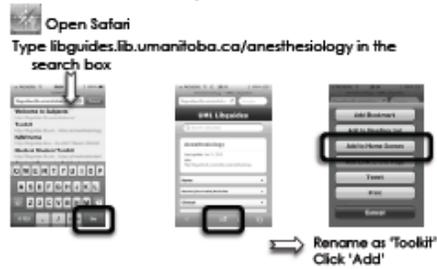
- + GFT or Nil faculty appointment
Use your **UM ID#**
- + Residents use student #
- + If you work in a WRHA facility,
show your ID badge at hospital library & get a card
- + Use MHIKNET for staff of Manitoba Health, staff of the RHAs and all physicians in Manitoba
◊ <http://mhiknet.lib.umanitoba.ca/>



libguides.lib.umanitoba.ca/health

libguides.lib.umanitoba.ca/anesthesiology

Add the Toolkit webpage as an icon on your iPhone



iPhone automatic verification



Evidence Pyramid



Live demonstration of the Toolkit

Additional:

EBM tab – Systematic reviews – Cochrane Library

Enter postpartum hemorrhage AND tranexamic acid (don't go to far down the tab structure as results DO NOT open in a new window)

Cochrane Library contains 6 databases

- [Cochrane Database of Systematic Reviews](#)
- [Cochrane Central Register of Controlled Trials](#)
- [Cochrane Methodology Register](#)
- [Database of Abstracts of Reviews of Effects](#) (CRD)
- [Health Technology Assessment Database](#) (CRD)
- [NHS Economic Evaluation Database](#) (CRD)

The Cochrane Collaboration, established in 1993, is an international network of more than 28,000 dedicated people from over 100 countries. They together to help health care providers, policy-makers, and patients make well-informed decisions about health care, based on the best available research evidence, by preparing, updating and promoting the accessibility of [Cochrane Reviews](#) – over 4,600 so far, published online in *The Cochrane Library*.

Named after Archie Cochrane (1909-1988), a British epidemiologist, who advocated the use of randomized controlled trials as a means of reliably informing healthcare practice. They are an independent, not-for-profit organization, funded by a variety of sources including governments, universities, hospital trusts, charities and personal donations.

Google Advanced

Go to google.ca

Start typing perioperative in search widget
Click settings cog – select advanced search

Why bother?
Filter to access only .org or .gov or .ca
Select only pdf's or ppt's
Specify language

The 'All these words' sections will already be populated with perioperative

All these words:	perioperative
This exact wording or phrase:	obstructive sleep apnea
One or more of these words:	guidelines
Language:	english
Filetype:	pdf
Search within a site or domain:	.org Could do .edu or .gov

Pull up the article from Chest

Try to access – told no subscription
 Demonstrate Proxy

Google scholar – Go to Scholar via Toolkit Home page box entitled Other Database, Select More Health Sciences Databases

Select: Advanced scholar search

perioperative
 obstructive sleep apnea
 guidelines
 2011-2012
 Search only in Medicine, pharmacology & veterinary science

Abbreviations

Acronym	
BNF	British National Formulary
CRD	Center for Reviews and Dissemination – Part of NHS's National Institute for Health research – Has DARE, NHE EED (NHS Economic Evaluation Database), HTA (Health Technology Assessment)
DARE	Database of Abstracts of Reviews of Effects
NCBI	National Center for Biotechnology Information
TILT	Today I Learned That (in TRIP) – share site
TRIP	Turning Research into Practice
AHRQ	Agency for Healthcare Research and Quality also know as National Guideline Clearing House
CEBM	Oxford's Centre for Evidence-based Medicine
AGREE	Appraisal of Guidelines for Research & Evaluation
CONSORT	Consolidated Standards for Reporting Trials (RCT's)
GRADE	Grading of Recommendations, Assessment, Development & Evaluation
STROBE	Strengthening the Reporting of Observational Studies in Epidemiology
PRISMA	Preferred Reporting Items for Systematic Reviews and Meta-analyses
NICE	National Institute for Health & Clinical Excellence
HSTAT	Health Services Technology Assessment
COCHRANE Library	6 databases: Cochrane Database of Systematic Reviews Cochrane Central Register of Controlled Trials Cochrane Methodology Register <ul style="list-style-type: none"> · Database of Abstracts of Reviews of Effects (CRD) · Health Technology Assessment Database (CRD) · NHS Economic Evaluation Database (CRD)