# MedlinePlus: Power Searching for Hidden Treasures

An Infopeople Webinar

Presented by Kelli Ham, MLIS August 21, 2014



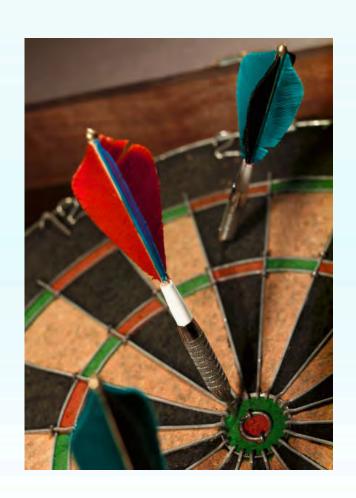




#### Today's Objectives

#### Participants will:

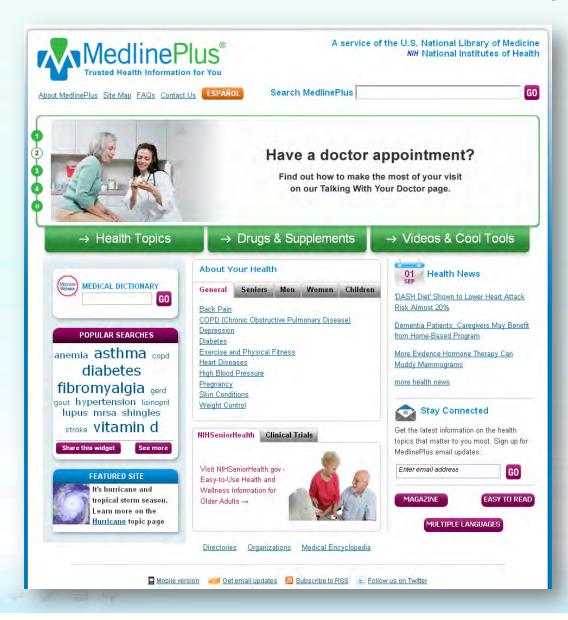
- See a spectrum of questions that can be answered with MedlinePlus
- Discover new ways of advanced searching
- Utilize MedlinePlus as a springboard to other sources



#### Agenda

- Overview
- Scenarios and techniques
  - Basic and advanced key word searching
  - Choosing the right resource
  - Search and refine techniques
  - News alerts and RSS feeds
  - New ways to find current research results
  - Performing PubMed searches within MedlinePlus

#### MedlinePlus = Quality Health Info



- Over 950 health topics
- Drug and herbals
- Extensive Spanish materials
- Multiple languages
- Easy-to-read collection
- Videos and tutorials
- Health Check tools
- Medical Encyclopedia
- Dictionary
- Health News
- Special populations
- Clinical trials
- Preformulated searches in PubMed.gov
- And much more!

#### The Spectrum of Questions

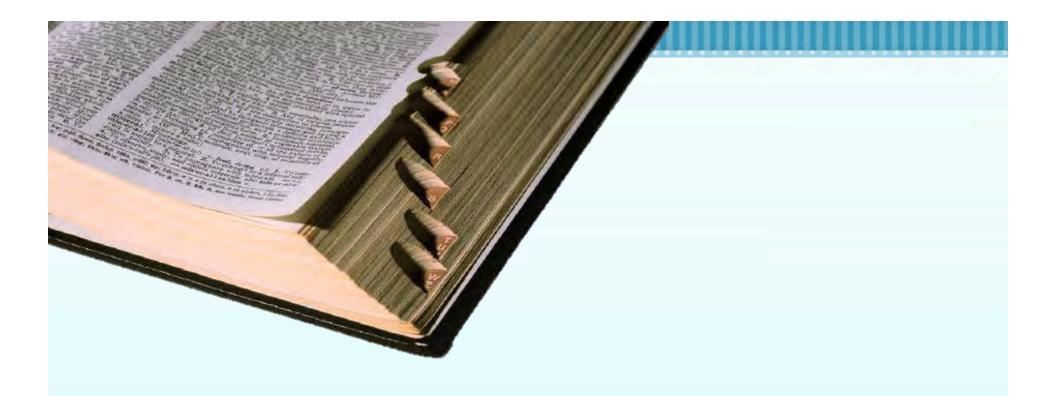
- Basic reference tools (encyclopedia, dictionary, anatomy)
- Conditions and Diseases Symptoms, Diagnosis, Prognosis
- Treatments and therapies
- Drug information
- Patient instructions, care, coping
- Health, wellness and prevention
- Caregiver, aging, and end-of-life issues
- Health statistics
- Health insurance, navigating healthcare systems



#### Common Search Techniques

- Key word search
- Navigating to specific content areas and topics
- Browsing and discovery





#### Reference Resources

- Dictionary, encyclopedia, directory...
  - Who, what, why?
  - What you learn will dictate resources and search strategy

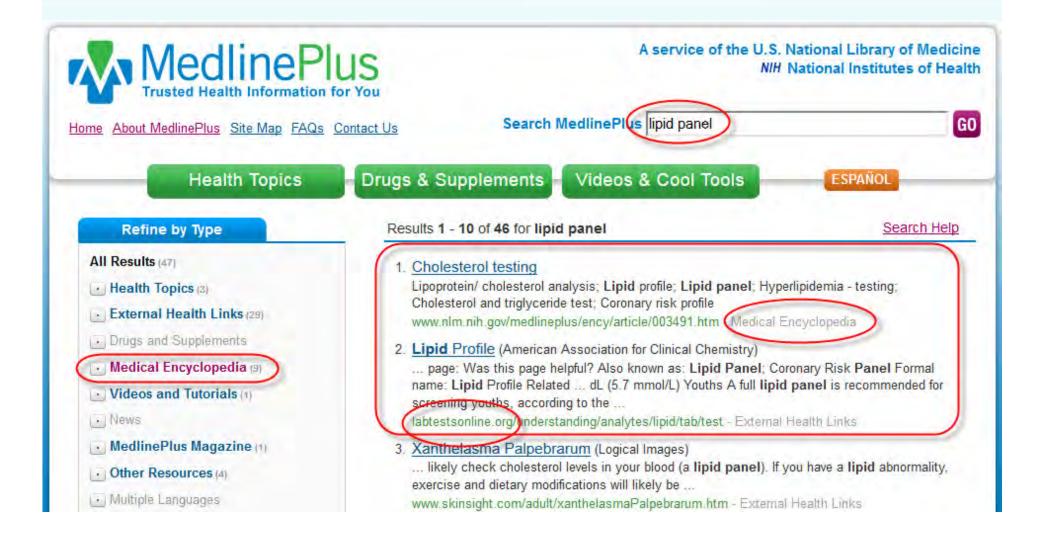
#### Scenario - Reference Resource

- Patron has lab test results for a lipid panel and would like help interpreting the numbers.
- Technique: key word search; limit to Medical Encyclopedia or browse results list





## Search and Refine by Content Type



# Refine by Concept



#### Results 1 - 10 of 46 for lipid panel

1. Cholesterol testing

Lipoprotein/ cholesterol analysis; Lipi Cholesterol and triglyceride test; Coro. www.nlm.nih.gov/medlineplus/ency/art

- Lipid Profile (American Association ... page: Was this page helpful? Also name: Lipid Profile Related ... dL (5.7 screening youths, according to the ... labtestsonline.org/understanding/analy
- Xanthelasma Palpebrarum (Logic
   — likely check cholesterol levels in yo
   exercise and dietary modifications will
   www.skinsight.com/adult/xanthelasma
- 4. Triglyceride level

... The triglyceride level is usually inclunational Cholesterol Education Progra Goldman L, Ausiello D, eds. Cecil ... www.nlm.nih.gov/medlineplus/ency/art

- Apolipoprotein B100
  - ... the added value of this test beyond www.nlm.nih.gov/medlineplus/ency/art
- 6. Apolipoprotein CII

... the added value of this test beyond

#### Student Research Paper

High school student doing a paper on ethics of patient who wants to stop dialysis treatment for kidney failure

Technique: Key word search

Main concepts: dialysis, choice/decision, ethics

Kidney failure deciding choosing to stop dialysis ethics = 0

Deciding stop dialysis ethics = 3

Deciding stop dialysis = 22

Choosing stop dialysis = 33

Advanced search techniques:

Stop dialysis ethic\* = 6

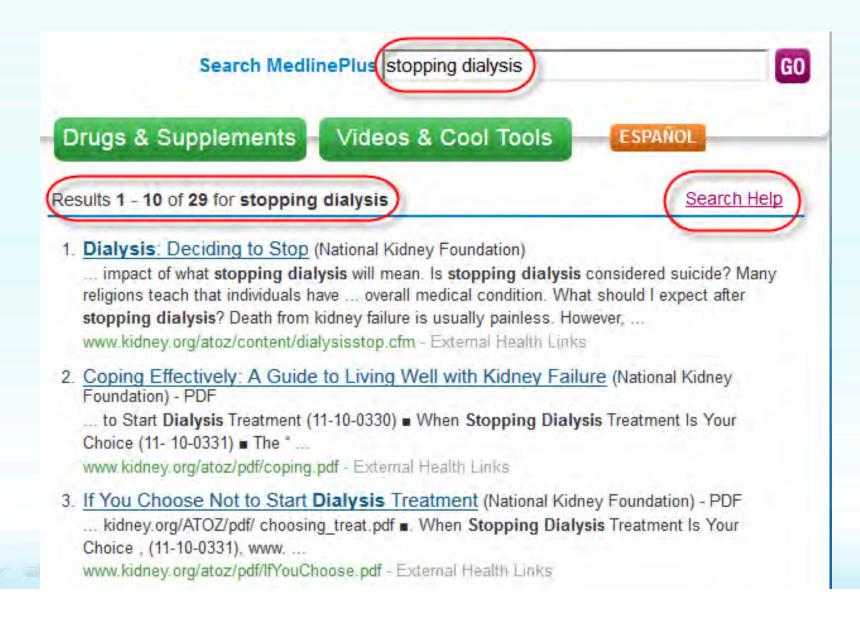
"stop\* dialysis" = 7

(choosing OR stopping OR choose OR stop) dialysis = 231

Search Help: http://www.nlm.nih.gov/medlineplus/searchtips.html



## Simple May Suffice



## Staying Informed

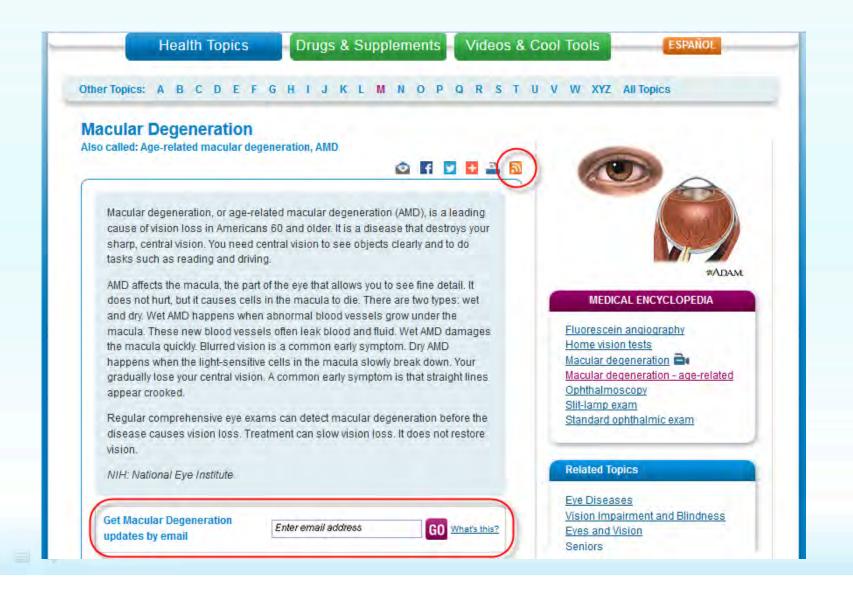
Patron: "I know a lot about macular degeneration, because both of my parents have been diagnosed with it. How can I get updates on new treatments?"

Technique: Sign up for updates on Health Topic page

- RSS Feeds
- Email updates

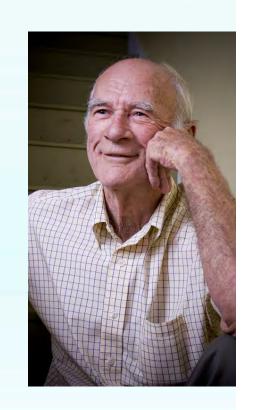


#### Email Updates and RSS Feeds



#### Same User, New Question

My father's macular degeneration (AMD) has progressed, and the doctor is recommending injections of a drug called Avastin because it's a lot cheaper and just as effective as another drug. What is meant by off-label use? Is there any research that says it's effective and safe?

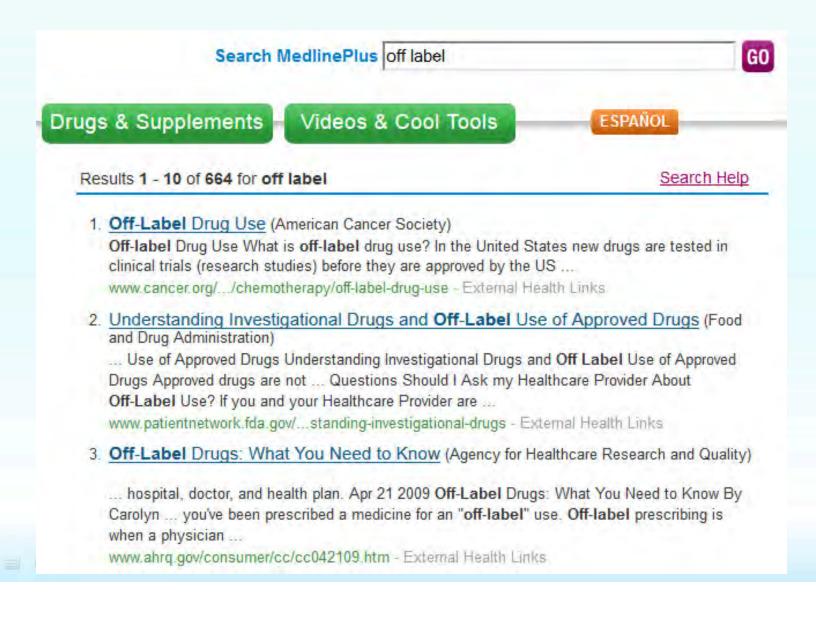


Technique: Determine concepts

- off label, AMD + avastin + safety, efficacy
- Clinical trials results



#### Search Results - off label



#### Search Results - Avastin for AMD

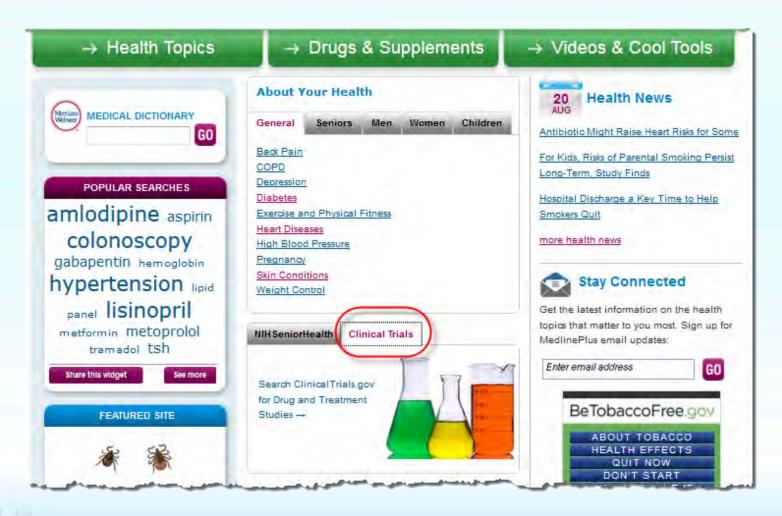
Search MedlinePlus avastin macular degeneration GO Drugs & Supplements -Videos & Cool Tools **ESPAÑOL** Results 1 - 10 of 12 for avastin macular degeneration Search Help 1. 8 Areas of Age-Related Change ... of metastatic cancer. However, some ophthalmologists are using bevacizumab for macular degeneration. (For more information, see page 19.) A nationwide .... www.nlm.nih.gov/.../winter07/articles/winter07pg10-13.html - MedlinePlus Magazine 2. Treatment Options for Wet AMD (Macular Degeneration Partnership) ... significantly cheaper than Lucentis or Macugen. Use of Avastin for wet macular degeneration has become very common. Some doctors choose it exclusively; others treat with Lucentis and then switch to Avastin. read more... Eylea Developed by Regeneron, EYLEA www.amd.org/treatment-options-for-wet-amd - External Health Links 3. Medicare Benefits and Your Eyes (Prevent Blindness America) ... B covers treatment for beneficiaries with age-related macular degeneration, including lucentis, Avastin, aflibercept, pegaptanib, and ocular photodynamic therapy with verteporfin ( ... www.preventblindness.org/medicare-benefits-and-your-eyes - External Health Links. 4. Clinical Trials for Wet AMD (Macular Degeneration Partnership) ... therapy is the current standard treatment for wet macular degeneration and consists of injections of Lucentis, Avastin or Eylea. This is a double masked study. .... www.amd.org/research/clinical-trials-for-wet-amd - External Health Links 5. Bevacizumab Injection

... use for the benefit found in most cases. Bevacizumab is also sometimes used to treat wet

age-related macular degeneration (AMD; an ongoing disease of the eye that ... www.nlm.nih.gov/medlineplus/druginfo/meds/a607001.html - Drugs and Supplements

#### ClinicalTrials.gov

Technique: Go to site directly or from home page tab.

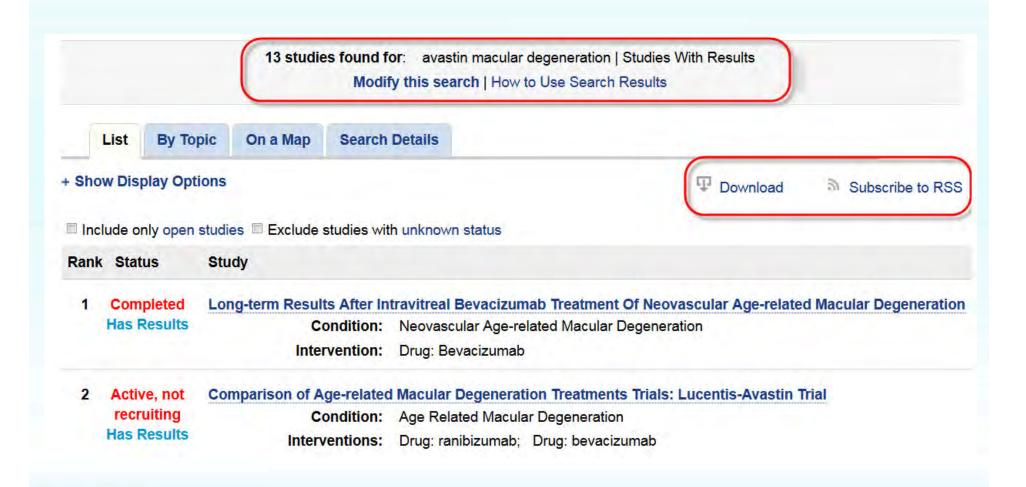


#### ClinicalTrials.gov

Technique: Use Advanced Search form; type in key words; use Help link for more tips.



#### Clinical Studies with Results



#### In the News

Library user hears about a new study reported in the news, and would like to read the journal article. "Red Meat may Raise Breast Cancer Risk, Study Suggests," June 11, 2014

#### Technique:

 Glean info from news item – investigator's last name, journal, topic. Do search in PubMed.gov.



#### Clues from the Content

#### Red Meat May Raise Breast Cancer Risk, Study Suggests

Eating more fish, nuts, poultry may help, but findings don't prove cause and effect

Wednesday, June 11, 2014



TUESDAY, June 10, 2014 (HealthDay News) — Women who ate the most red meat increased their risk for breast cancer by nearly 25 percent, a 20-year study of nearly 89,000 women suggests.

Related N

On the flip side, however, replacing a daily serving of red meat with a combination of fish, legumes, nuts and poultry appeared to lower the risk of breast cancer by 14 percent, the researchers said.

"Cutting down processed meat, limiting intake of red me during early life seems beneficial for the prevention of brid lead researcher Maryam Farvid, Department of Nutrition.

Compared with women who had And each additional daily serving

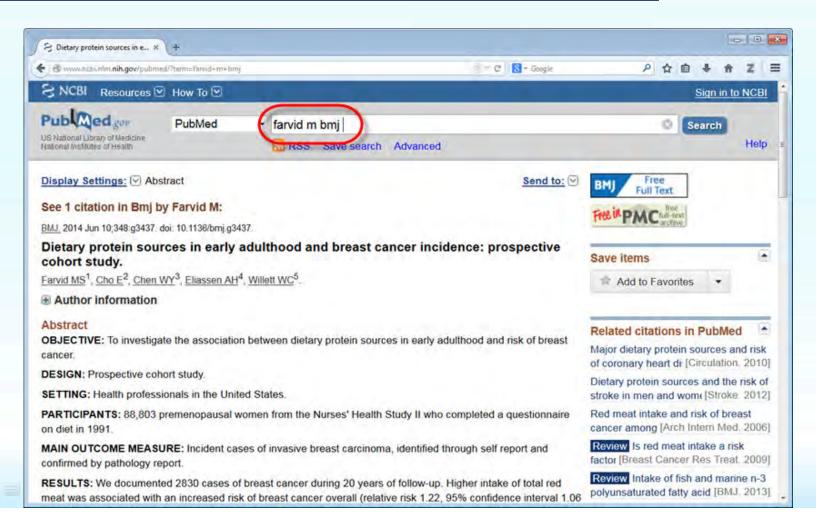
SOURCES: Maryam Farvid, Ph.D., department of nutrition, Harvard School of Public Health, Boston; Stephanie Hill Hospital, New York City; Betsy Booren, Ph.E Yale University Prevention Research Center, New, June 10, 2014, BMJ, online

HealthDay

#### PubMed.gov Search

Tip: Learn how to search PubMed with short tutorials:

http://www.nlm.nih.gov/bsd/disted/pubmed.html



## Go Exploring!

- Every Health Topics Table of Contents has six sections
- Not every category will be on every page
- Also Spanish and other languages



## Questions?

## Thank You!

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Pacific Southwest Region

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http://nlm.gov/psr





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