




EBP II: SEARCH THE EVIDENCE

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Orthopaedic Manual Physical Therapy Series
Charlottesville 2017-2018

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**Search Efficiently
Manage EB collection
PUSH Evidence**



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Knowledge Broker

- Someone who is capable of 'bringing researchers and decision makers together, facilitating their interaction so that they are able to better understand each others' goals and professional culture, influence each others' work, forge new partnerships, and use research-based evidence.
- Brokering is ultimately about supporting evidence-based decision making in the organization, management and delivery of health services'

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Steps involved in practice of EBP

1. Convert information needed into answerable questions - PICO
2. Track down
3. Critically appraise the evidence
4. Integrate this appraisal with clinical expertise and patient values
5. Evaluate performance


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	Patient or Problem	Intervention (a cause, prognostic factor, treatment, etc.)	Comparison Intervention	Outcomes
Tips for Building	Starting with your patient, ask "How would I describe a group of patients similar to mine?" Balance precision with brevity.	Ask "Which main intervention am I considering?" Be specific.	Ask "What is the main alternative to compare with the intervention?" Again, be specific.	Ask "What can I hope to accomplish?" or "What could this exposure really affect?" Again, be specific
Example	"In patients with anterior knee pain ..."	"... would adding orthotics to exercise..."	"... when compared with standard therapy alone ..."	"... lead to lower faster return to running?"

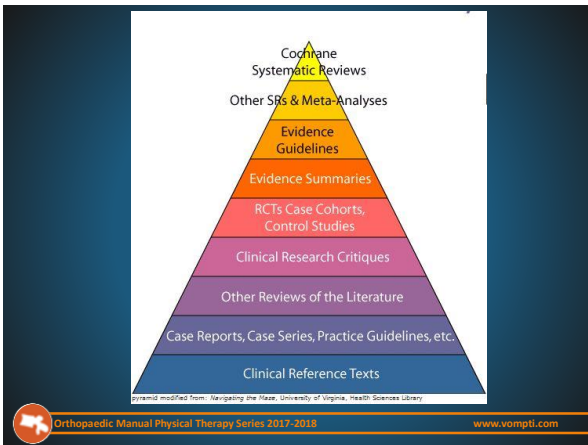
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Clinical Question

- In a female runner with anterior knee pain - Would foot orthotics decrease symptoms, and increase function (run) in the short term?



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Parachute use to prevent death and major trauma related to gravitational challenge: systematic review of randomised controlled trials

What is already known about this topic

Parachutes are widely used to prevent death and major injury after gravitational challenge

Parachute use is associated with adverse effects due to failure of the intervention and iatrogenic injury

Studies of free fall do not show 100% mortality

What this study adds

No randomised controlled trials of parachute use have been undertaken

The basis for parachute use is purely observational, and its apparent efficacy could potentially be explained by a "healthy cohort" effect

Individuals who insist that all interventions need to be validated by a randomised controlled trial need to come down to earth with a bump



Parachutes reduce the risk of injury after gravitational challenge, but their effectiveness has not been proved with randomised controlled trials.

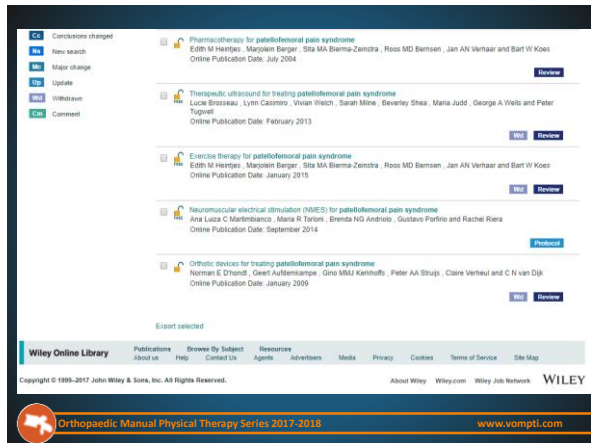
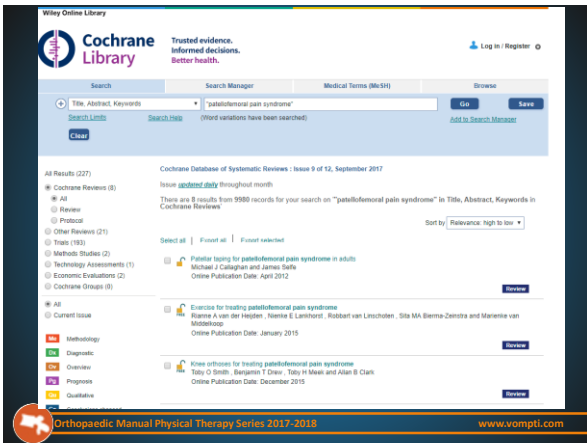
BMJ VOLUME 327 20-27 DECEMBER 2003

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The goal of the collaboration is to help people make well informed decisions about health care by preparing, maintaining and ensuring the accessibility of systematic reviews of the effects of health care interventions.



- Independent nonprofit organization consisting of group of over 28,000 volunteers in more than 100 countries
- Formed to organize research information in a systematic way
- The Collaboration aims to provide compiled scientific evidence to aid well informed health care decisions
- It conducts Systematic reviews of randomized controlled trials of health care interventions and tries to disseminate the results and conclusions.



Cochrane Library Trusted evidence. Informed decisions. Better health.

Search title, abstract, keyword

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Go to old article view

Cochrane Database of Systematic Reviews

Withdrawn from publication | Version History

Orthotic devices for treating patellofemoral pain syndrome

Withdrawn | Review | Intervention

Norman E D'hoedt¹, Geert Aufdemkampe², Gino MMJ Kerkhoffs³, Peter AA Struijs⁴, Claire Verheul⁴, C N van Dijk⁴

First published: 21 January 2009

Editorial Group: Cochrane Bone, Joint and Muscle Trauma Group

DOI: 10.1002/14651858.CD002267.pub2

Cited by (CrossRef): 1 article

Reason for withdrawal from publication

This review was withdrawn, as of issue 1, 2009, because it is substantially out-of-date

The editorial group responsible for this previously published document have withdrawn it from publication.

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Home | Evidence Based Medicine | Evidence Based Health Care | The Cochrane Library | Abstract

Intervention Review

Orthotic devices for treating patellofemoral pain syndrome

Norman E D'hoedt¹, Geert Aufdemkampe², Gino MMJ Kerkhoffs³, Peter AA Struijs⁴, Claire Verheul⁴, C N van Dijk⁴

Editorial Group: Cochrane Bone, Joint and Muscle Trauma Group

Published Online: 21 JAN 2009

Assessed as up-to-date: 4 JAN 2002

DOI: 10.1002/14651858.CD002267.pub2

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Reason for withdrawal from publication

This review was withdrawn, as of issue 1, 2009, because it is substantially out-of-date to view the published versions of this article, please visit the 'Other versions' tab.

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1. Eligibility criteria were specified
2. Subjects were randomly allocated to groups (in a crossover study, subjects were randomly allocated an order in which treatments were received)
3. Allocation was concealed
4. The groups were similar at baseline regarding the most important prognostic indicators
5. There was blinding of all subjects
6. There was blinding of all therapists who administered the therapy
7. There was blinding of all assessors who measured at least one key outcome
8. Measurements of at least one key outcome were obtained from more than 85% of the subjects initially allocated to groups
9. All subjects for whom outcome measurements were available received the treatment or control condition as allocated, or where this was not the case, data for at least one key outcome were analyzed by "intention to treat"
10. The results of between-group statistical comparisons are reported for at least one key outcome
11. The study provides both point measurements and measurements of variability for at least one key outcome

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Simple Search

Search term (or terms):

Search

NeuRA
Discover. Conquer. Cure.

THE UNIVERSITY OF SYDNEY

The database was last updated on 4 September 2017 (this includes records added or amended since 7 August 2017). The next update is planned for Monday 9 October 2017. The total number of records on the database is 37,669.

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Search Results

Click on a title to view details of that record. If your search has returned many records you may need to move to the next page (all the top or bottom of the list of records). To display a list of records from one or a series of searches, click on Select and then Display Selected Records

Found 5 records

Title	Method	Score (I/O)	Select Record
A review of the management of patellofemoral pain syndrome	systematic review	N/A	Select
The additional effect of orthotic devices on exercise therapy for patients with patellofemoral pain syndrome, a systematic review [with consumer summary]	systematic review	N/A	Select
Systematic review of the quality of randomized controlled trials for patellofemoral pain syndrome	systematic review	N/A	Select
Evaluation of soft foot orthotics in the treatment of patellofemoral pain syndrome	clinical trial	3/10	Select

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American Physical Therapy Association

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Warm and comfortable as ever, now better.

Latest News
Problems With Humana Claims? Let APTA Know
AGAs From 37 States Call for Better Insurance Coverage for Nonopioid Pain Treatment

Upcoming Events
Value Based Care
National Physical Therapy Month
Student Assembly #ICongressGA

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PITNow | **APTA**
American Physical Therapy Association

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EBSCO HOST

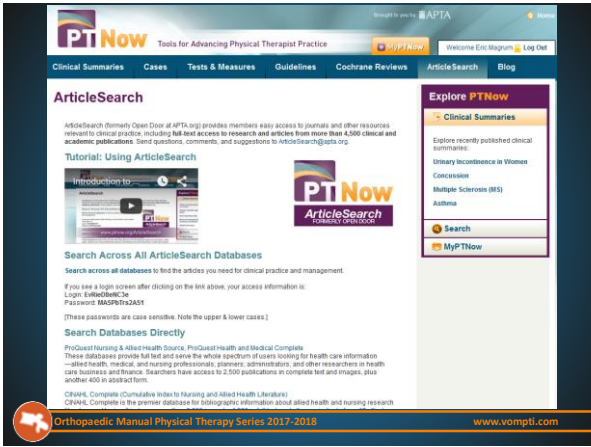
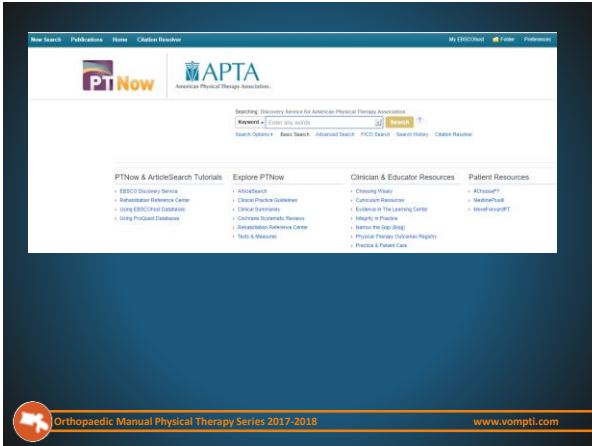
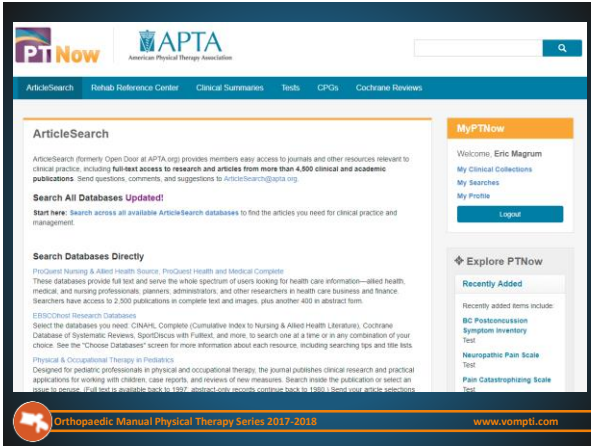
Rehabilitation Reference Center
RRC, powered by EBSCOhost, is an evidence-based clinical reference tool for use by rehabilitation clinicians at the point-of-care.

Enter Article Search | Providing APTA members access to journals and other resources, including full-text access in many cases.

Resources
Providing a Safe Alternative to Opioids


Most Recommended
Shoulder Pain and Mobility


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Google Scholar

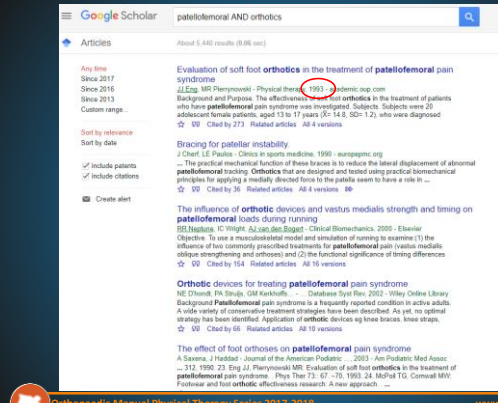
- **Broad range of sources**
 - Journals
 - Conference Papers
 - Academic books
 - Dissertations
- **Large retrieval set**
- **Text word searching vs. vocabulary index searching (MESH)**
- **Ranks by number of previous hits/citations**
- **Older citations first**
- **Should be an adjunct NOT primary search**






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The screenshot shows search results for 'patellofemoral AND orthotics'. The top result is 'Evaluation of soft foot orthotics in the treatment of patellofemoral pain syndrome' by J.J. Eng, M.D. Piernowski, Physical Therapist, 1993, Academic.org.com. The text below the title describes the study: 'Background and Purpose: The effectiveness of soft orthotics in the treatment of patients who have patellofemoral pain syndrome was investigated. Subjects: Subjects were 20 adolescent female patients, aged 13 to 17 years (X= 14.8, SD= 1.2), who were diagnosed...'. Other results include 'Bracing for patellar mobility' and 'The influence of orthotic devices and vastus medialis strength and timing on patellofemoral loads during running'.




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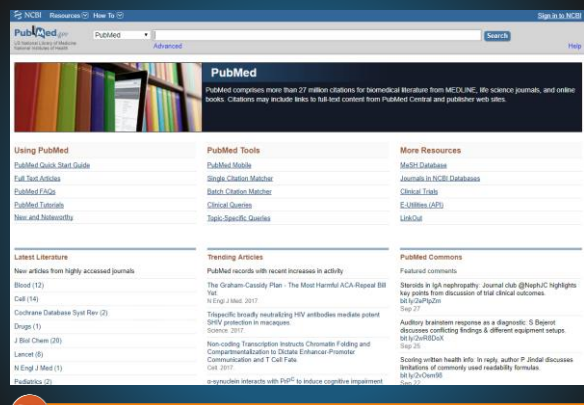
- **MEDLINE – Largest database of biomedical journals/abstracts**
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- **Maintained by US National Library of Medicine, NIH**
- **>27 million records going back to 1966, selectively to the year 1865, and very selectively to 1809**
- **About 500,000 new records are added each year**
- **12.81 million articles have links to full-text**
- **PubMed Central – Free full text database (4.5 million articles)**
- **Features to make searching, managing, “pushing” easier**
- **My NCBI**






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The screenshot shows the PubMed website interface. At the top, it says 'PubMed' and 'National Library of Medicine'. Below that, there's a search bar and navigation options. The main content area is divided into sections: 'Using PubMed' (with links like 'PubMed Quick Start Guide', 'Full Text Articles', 'PubMed FAQs', 'PubMed Tutorials', 'New and Noteworthy'), 'PubMed Tools' (with links like 'PubMed Alerts', 'Single Citation Matcher', 'Batch Citation Matcher', 'Clinical Queries', 'Topic-Specific Queries'), 'More Resources' (with links like 'MeSH Database', 'Journals in NCBI Databases', 'Clinical Trials', 'E-Alerts (AET)', 'LinkOut'), 'Latest Literature' (with links like 'New articles from highly accessed journals', 'Blood (12)', 'Cell (14)', 'Science Database Syst Rev (2)', 'Diagn (1)', 'J Biol Chem (28)', 'Lancet (8)', 'N Engl J Med (1)', 'PubMed (2)'), 'Trending Articles' (with links like 'PubMed records with recent increase in activity', 'The Graham Cassidy Plan - The Most Harmful ACA Repeal Bill', 'Hspg14042 2017', 'Tetraspicyclic broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques', 'Science 2017', 'Non-coding Transcription Inhibitors Chemically Bind and Compartmentalize to Distal Enhancer Promoter', 'Cell 2017', 'qsynuclein interacts with RBP1 to induce cognitive impairment', 'PubMed (2)'), and 'PubMed Commons' (with links like 'Featured comments', 'Steroids in IgA nephropathy: Journal club @Hspg14 highlights key points from discussion of oral clinical outcomes', 'doi:10.1093/ajph/107.12.2017', 'Auditory brainstem response as a diagnostic: 5 Dependent structures conflicting findings & different equipment setups', 'doi:10.1093/ajph/107.12.2017', 'Scaling written health info: In reply, author P. Jindal discusses limitations of commonly used readability formulas', 'doi:10.1093/ajph/107.12.2017').



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PMC
4.5 MILLION Articles
2027 Full-Text Journals | 329 NIH Curator Journals | 4368 Selected Open Access Journals

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The essence of EBP: "Hunting instead of collecting"

- Collecting Information:** The traditional practice of reading journal articles and storing the most relevant information.
- Hunting for Information:** Formulating questions during patient contact and searching for the most relevant information.

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Using MeSH (Medical Subject Headings) to Enhance PubMed Search Strategies for Evidence-Based Practice in Physical Therapy

Examples of How Search Terms Mapped, Organized by Outcomes

Search Term	MeSH Term/Journal Title	Comment
Strength training	None	The MeSH term "resistance training" was found in the MeSH database and is defined as: A type of strength-building exercise program that requires the body muscle to exert a force against some form of resistance, such as weight, stretch bands, water, or immovable objects. Resistance exercise is a combination of static and dynamic contractions involving shortening and lengthening of skeletal muscles.
Stretching	None	The MeSH term "muscle stretching exercises" was found in the MeSH database and is defined as: Exercises that stretch the muscle fibers with the aim to increase muscle-tendon flexibility, improve range of motion or musculoskeletal function, and prevent injuries. There are various types of stretching techniques, including active, passive (relaxed), static, dynamic (gentle), ballistic (bounced), isometric, and others.

Randy R. Richter and Tricia M. Austin
PHYS THER. 2012; 92:124-132.

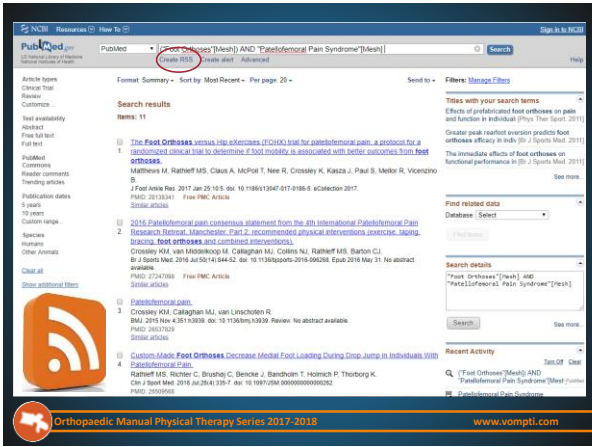
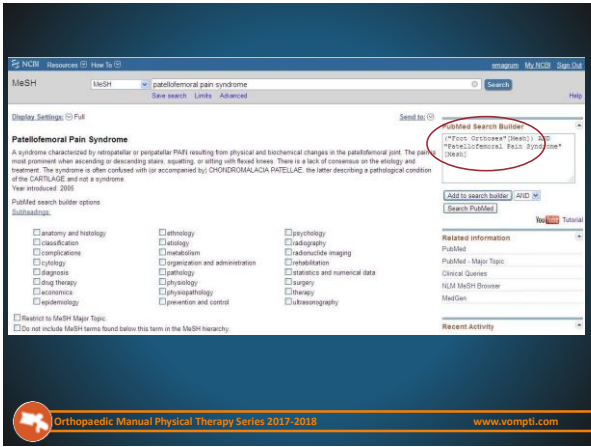
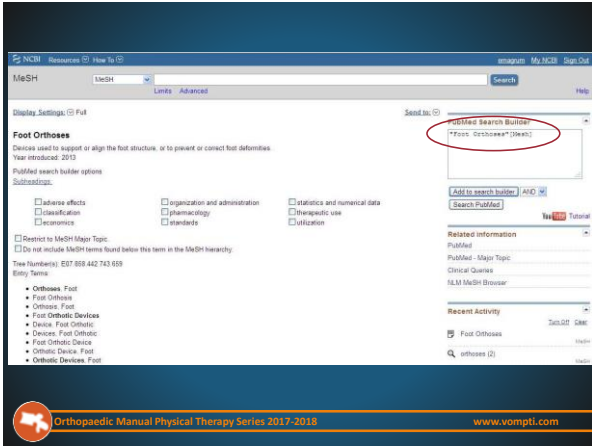
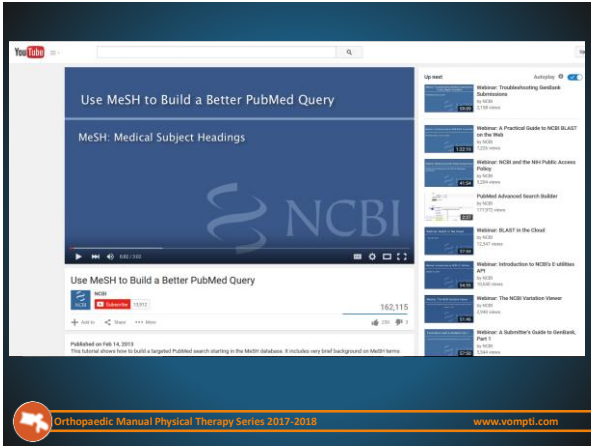
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Using MeSH to Enhance PubMed Search Strategies

```

    graph TD
        A[Develop a searchable clinical question using the PICCO format] --> B[Enter search terms into the PubMed query box]
        B --> C[Check the Search Details to determine how (or if) search terms translated to MeSH terms]
        C --> D{The search term mapped to a MeSH term}
        C --> E{The search term did not map to a MeSH term}
        D --> F{Does the MeSH term definition conceptually relate to the clinical question?}
        F -- Yes --> G{Is there an appropriate broader/narrower MeSH term in the MeSH hierarchy? If so, modify search as needed and rerun.}
        F -- No --> H{Is there a term in the MeSH database related to the clinical question?}
        H -- Yes --> I{Is there an appropriate broader/narrower MeSH term in the MeSH hierarchy? If so, modify search as needed and rerun.}
        H -- No --> J[Use text words and variations (ie, strength, strengthen) to search the concept]
        G --> K[Modify search as needed and rerun]
        I --> K
        J --> L[Use text words and variations (ie, strength, strengthen) to search the concept]
    
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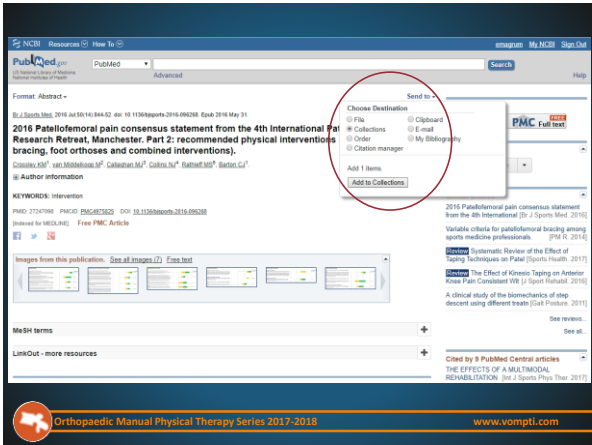
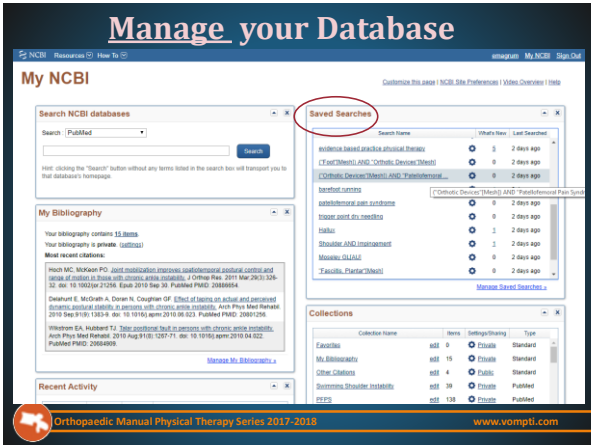
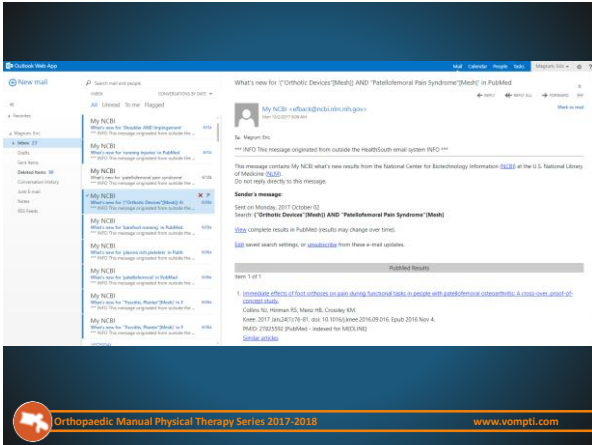
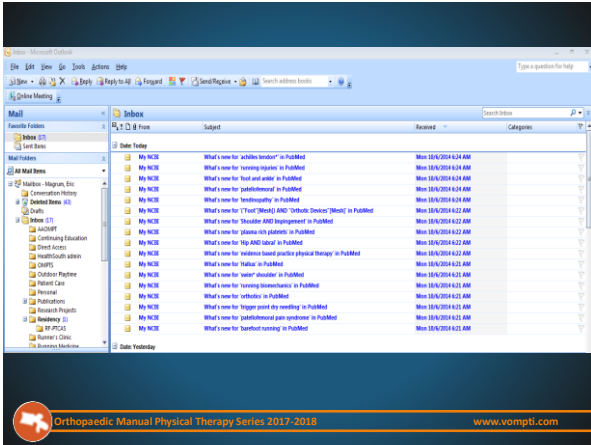


This screenshot shows the PubMed search results page. The search terms are "(Foot Orthoses[Mesh]) AND 'Patellofemoral Pain Syndrome'[Mesh]". The results list several articles, with the first one highlighted. The article title is "The Foot Orthoses versus Hip Exercises (FHOX) trial for patellofemoral pain: a protocol for a randomised clinical trial to determine if foot mobility is associated with better outcomes from foot orthoses." The authors listed are Matthews M, Rathief MS, Claus A, McPail T, Nee R, Crossley K, Kasza J, Paul S, Mellor R, Vicenzino B. The publication date is 2017. The interface includes filters for article type, date, and relevance, and a sidebar with RSS settings and a list of related articles.

This screenshot shows the same PubMed search results page but with filters applied. The search terms are "(Foot Orthoses[Mesh]) AND 'Patellofemoral Pain Syndrome'[Mesh]". The results are filtered to show 11 items. The first article is highlighted. The interface includes filters for article type, date, and relevance, and a sidebar with RSS settings and a list of related articles.

This screenshot shows the My NCBI Saved Searches page. The search term is "(Foot Orthoses[Mesh]) AND 'Patellofemoral Pain Syndrome'[Mesh]". The name of the search is "(Foot Orthoses[Mesh]) AND 'Patellofemoral Pain Syndrome'[Mesh]". There are buttons for "Save" and "Cancel". A red box with the text "PUSH Evidence" is overlaid on the page.

This screenshot shows the My NCBI Saved Searches page with scheduling options. The search term is "(Foot Orthoses[Mesh]) AND 'Patellofemoral Pain Syndrome'[Mesh]". The name of the search is "(Foot Orthoses[Mesh]) AND 'Patellofemoral Pain Syndrome'[Mesh]". There are buttons for "Save" and "Cancel". The scheduling options include "Frequency" (Monthly), "When day" (the first Sunday), and "Report format" (Summary). There are also options for "Number of items" (5 items) and "Send at most" (5 items).



MyNCBI Collections

What would you like to do?

- Create new collection
- Append to an existing collection

Choose a collection:

- NCBI
- NCBI's References
- Orthopedic + PPTs**
- Orthopedic
- Orthopedic Publics
- PPTs
- PPT
- Path

POPULAR: Published, Genetic Testing Registry, Reference at NCBI, NCBI News & Blog, NCBI FTP Site, NCBI on Twitter, NCBI on YouTube

FEATURED: Published Health, Genetic Testing Registry, Reference at NCBI, NCBI News & Blog, Reference Sequences, NCBI FTP Site, Gene Expression Omnibus, NCBI on Twitter, Human Genome, Mouse Genome, NCBI on YouTube, Influenza Virus, PrimeBLAST, Sequence Read Archive

NCBI INFORMATION: About NCBI, Reference at NCBI, NCBI News & Blog, NCBI FTP Site, NCBI on Twitter, NCBI on YouTube

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MyNCBI Collections

Search: All Data 0 items selected Merge Delete

Name	Items	Settings/Sharing	Last Modified	Type
Orthopedic + PPTs	25	Private	today	Published
PPTs	138	Private	2 days ago	Published
Integrity	8	Private	2 days ago	Published
Gene List	20	Private	2 days ago	Published
Gene Path/Prots/Genes	12	Private	5 days ago	Published
Cellular Structure	47	Private	9 days ago	Published
Cell Size	57	Private	11 days ago	Published
Achilles tendinopathy	69	Private	11 days ago	Published
Chronic Exertional Leg Pain	29	Private	14 days ago	Published
Gene	8	Private	18 days ago	Published
Endotheliotropia	1	Private	20 days ago	PMC
EA	58	Private	22 days ago	Published
Exosomes	9	Private	last month	Published
CR	16	Private	last month	Published
Cellular Structure	14	Private	last month	Published
Subcutis	3	Private	last month	Published
Lumbar osteoarthritis	24	Private	last month	Published
Spinal Osteoarthritis	7	Private	2 months ago	Published
Spinal Stress Fractures	28	Private	2 months ago	Published
Chaper	13	Private	2 months ago	Published
Phenylketonuria	35	Private	2 months ago	Published
PPT	18	Private	2 months ago	Published
Staphy	16	Private	2 months ago	Published
SCC	16	Private	3 months ago	Published

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U.S. National Library of Medicine

PubMed Tutorial

Introduction

Understanding the Vocabulary

Building the Search

How It Works

Filters

Building Blocks

Search Tools

Search by Citation

Search by Field

Managing the Results

Using the Results

Getting the Articles

Displaying PubMed

My NCBI

Help

PubMed is a free resource that provides access to MEDLINE, the National Library of Medicine database of citations and abstracts in the fields of medicine, nursing, dentistry, veterinary medicine, health care systems, and practical sciences.

Goals and Objectives

By the end of this course, you should be able to:

- Understand PubMed's scope and content.
- Understand how the Medical Subject Headings (MeSH) are used to describe and retrieve citations.
- Build a search using MeSH and PubMed search tools.
- Manage your results and save records of interest.
- Save your search strategies.
- Link to or order full-text articles.
- Link to related resources.

If you're new to PubMed, we recommend that you go through the modules in order. Experienced users should visit and revisit individual modules as needed.

For brief tutorials on specific topics, see also the [PubMed Quick Tours](#). See also [PubMed Help](#) for detailed instructions on specific PubMed features.

To see a list of recent PubMed changes, go to PubMed's [News/Noteworthy](#).

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PubMed.gov

2016 Patellofemoral pain consensus statement from the 4th International Patellofemoral Pain Research Retreat, Manchester. Part 2: recommended physical interventions (exercise, taping, bracing, foot orthoses and combined interventions).

KEYWORDS: Intervention

PMID: 27419086 | PMCID: PMC4873813 | DOI: 10.1093/ptp/ptw018

Similar articles

- 2016 Patellofemoral pain consensus statement from the 4th International Patellofemoral Pain Research Retreat, Manchester. Part 1: sports medicine professionals. [PMID: 27419086]
- Systematic Review of the Effect of Taping Techniques on Patellofemoral Pain. [PMID: 27419086]
- The Effect of Kinetic Taping on Anterior Knee Pain: Consistent With a Systematic Review. [PMID: 27419086]
- A clinical study of the biomechanics of step descent using different bracing. [PubMed: 2011]

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P.I.C.O. (T.T.) Model for Clinical Questions

P	Patient, Population, or Problem	How would I describe a group of patients similar to mine?
I	Intervention, Prognostic Factor, or Exposure	Which main intervention, prognostic factor, or exposure am I considering?
C	Comparison to Intervention (if appropriate)	What is the main alternative to compare with the intervention?
O	Outcome you would like to measure or achieve	What can I hope to accomplish, measure, improve or affect?
T	What type of question are you asking?	Therapy/Treatment, Diagnosis, Prognosis, Harm/Etiology (may be referred to as "domains" in PubMed)
T	Type of study you want to find	What would be the best study design/methodology?

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Types of Questions:

- Two additional elements of the well-built clinical question are the type of study.
 - Diagnosis
 - Therapy
 - Prognosis
 - Harm/Etiology
- This information can be helpful in focusing the question and determining the most appropriate type of evidence or study.

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Diagnosis	How to select and interpret diagnostic tests
Therapy	How to select treatments to offer patients that do more good than harm and that are worth the efforts and costs of using them
Prognosis	How to estimate the patient's likely clinical course over time and anticipate likely complications of disease
Harm/Etiology	How to identify causes for disease (including iatrogenic forms)

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Type of Question:	Suggested best type of study:
Diagnosis	prospective, blind comparison to a gold standard
Therapy	RCT > cohort > case control > case series
Prognosis	cohort study > case control > case series
Harm/Etiology	RCT > cohort > case control > case series
Prevention	RCT > cohort study > case control > case series
Clinical Exam	prospective, blind comparison to gold standard
Cost Benefit	economic analysis

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Trending Articles
 PubMed records with recent increases in activity
 The Graham Cassidy Plan - The Most Humane ACA Repeat Bill Yet
 N Engl J Med. 2017
 Haplo-specific broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques
 Science. 2017
 Non-coding Transcription Interacts Chromatin Folding and Compartmentalization to Distal Enhancer Promoter Communication and T Cell Fate
 Cell. 2017

Published Comments
 Featured comments
 Steroids in high-severity: Journal club @HephJC highlights key points from discussion of a clinical outcomes study
 BMJ. 2017
 Auditory brainstem response as a diagnostic S. Beyerli discusses conflicting findings & different equipment setups
 BMJ. 2017
 Spying within health info: In reply, author P. Inzal discusses limitations of commonly used readability formulas

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Clinical Queries

PubMed Clinical Queries
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Clinical Study Categories
 This column displays citations filtered to a specific clinical study category and topic. These search filters were developed by: [Link] [Link]. See more [Link].

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 This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See more [Link].

Medical Genetics
 This column displays citations pertaining to topics in medical genetics. See more [Link].

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PubMed Clinical Queries
 Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use PubMed directly.

Search

Search term: **rheumatoid pain syndrome AND foot orthosis**

Clinical Study Categories
 This column displays citations filtered to a specific clinical study category and topic. These search filters were developed by: [Link] [Link]. See more [Link].

Systematic Reviews
 This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See more [Link].

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Results: 0 of 25
 The Foot Orthoses versus Hip arthroscopy (FOHO) trial for postmenopausal pain: a protocol for a randomized clinical trial to determine if foot mobility is associated with better outcomes from foot orthoses
 Arthritis Care Res (2017) 29(2) Epub 2017 Jun 20
 Paul S, Maher R, Vucelja R
 The Effectiveness of Physical Agents for Lower Limb Soft Tissue Injuries: A Systematic Review
 J Orthop Sports Phys Ther 2016 Jul; 46(7):623-34. Epub 2016 Jun 8
 Yu A, Ratchewka A, Chaffin C
 Noninvasive Management of Knee Pain in Adults
 J Fam Phys 2015 Nov 15; 82(10):873-83
 Jones DG, Cooper GJ, Sheehan M et al
 The Influence of Foot Orthoses on Postbiomechanical Pain Syndrome: A Systematic Analysis of the Literature
 J Foot Ankle Res 2015; 8:31. Epub 2015 Sep 19
 Ruanos DR, Maney GS, Markovits SE, Lanza RB, Neeb HL
 The Influence of Foot Orthoses on Postbiomechanical Pain Syndrome: A Systematic Analysis of the Literature
 J Foot Ankle Res 2015; 8:31. Epub 2015 Sep 19
 Wang BS, Wang EH, Orsag LD
 Interventions for preventing lower limb soft-tissue running injuries
 Cochrane Database Syst Rev 2011 Jul 6; (7):CD007029. Epub 2011 Jul 6

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PubMed Clinical Queries
 Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use PubMed directly.

Search

Search term: **rheumatoid pain syndrome AND foot orthosis**

Clinical Study Categories
 Category: [Therapy] (dropdown)
 Scope: [Broad] (dropdown)

Systematic Reviews
 Results: 0 of 11
 The Effectiveness of Physical Agents for Lower Limb Soft Tissue Injuries: A Systematic Review
 Yu A, Ratchewka A, Chaffin C
 Noninvasive Management of Knee Pain in Adults
 Jones DG, Cooper GJ, Sheehan M et al
 The Effectiveness of Physical Agents for Lower Limb Soft Tissue Injuries: A Systematic Review
 J Orthop Sports Phys Ther 2016 Jul; 46(7):623-34. Epub 2016 Jun 8
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 Wang BS, Wang EH, Orsag LD
 Interventions for preventing lower limb soft-tissue running injuries
 Cochrane Database Syst Rev 2011 Jul 6; (7):CD007029. Epub 2011 Jul 6

Medical Genetics
 Results: 0 of 0
 This column displays citations pertaining to topics in medical genetics. See more [Link].

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The screenshot shows the PubMed Tutorial interface. On the left is a navigation menu with options like 'Introduction', 'Refining the Search', and 'Managing the Results'. The main content area is titled 'Clinical Queries (continued)' and 'Clinical Study Categories'. A red circle highlights the 'Clinical Study Categories' section, which lists: Etiology, Diagnosis, Therapy (clinical), and Prognosis. Below this, there are instructions on how to use the search filters and a 'DEVELOPING' section with steps for selecting a category and name.

The screenshot shows the JOSPT (Journal of Orthopaedic & Sports Physical Therapy) website. The main header includes the site name and navigation links. A prominent advertisement for an 'ACL Reconstruction Webinar Package' is displayed, featuring a runner and text about earning CEUs or CCUs. Below the ad, there are sections for 'Recent' articles, 'Published: September 2017', and 'ANNOUNCEMENT: Dr. Alborn Leaves JOSPT to Focus on Research Program'. The footer contains the 'Orthopaedic Manual Physical Therapy Series 2017-2018' branding and the website URL 'www.vompti.com'.


I	Evidence obtained from high-quality diagnostic studies, prospective studies, or randomized controlled trials
II	Evidence obtained from lesser-quality diagnostic studies, prospective studies, or randomized controlled trials (eg, weaker diagnostic criteria and reference standards, improper randomization, no blinding, less than 80% follow-up)
III	Case-controlled studies or retrospective studies
IV	Case series
V	Expert opinion



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GRADES OF RECOMMENDATION BASED ON		STRENGTH OF EVIDENCE
A	Strong evidence	A preponderance of level I and/or level II studies support the recommendation. This must include at least 1 level I study
B	Moderate evidence	A single high-quality randomized controlled trial or a preponderance of level II studies support the recommendation
C	Weak evidence	A single level II study or a preponderance of level III and IV studies, including statements of consensus by content experts, support the recommendation
D	Conflicting evidence	Higher-quality studies conducted on this topic disagree with respect to their conclusions. The recommendation is based on these conflicting studies
E	Theoretical/foundational evidence	A preponderance of evidence from animal or cadaver studies, from conceptual models/principles, or from basic science/bench research supports this conclusion
F	Expert opinion	Best practice based on the clinical experience of the guidelines development team

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PEDro is the Physiotherapy Evidence Database. PEDro is a free database of over 37,000 randomised trials, systematic reviews and clinical practice guidelines in physiotherapy. For each trial, review or guideline, PEDro provides the citation details, the abstract and a link to the full text, where possible. All trials on PEDro are independently assessed for quality. These quality ratings are used to quickly guide users to trials that are more likely to be valid and to contain sufficient information to guide clinical practice. PEDro is produced by Musculoskeletal Health Sydney, School of Public Health at the University of Sydney and is hosted by Neuroscience Research Australia (NeuRA).

Search the PEDro database

There are three search pages for the PEDro database. Two were designed for health professionals (simple search and advanced search). One was designed for consumers of physiotherapy and can be accessed via the [Physiotherapy Choices](#) web-site.

- [Begin a simple search](#)
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Many SRP scientists have published their findings in "high-impact journals" - those considered to be highly influential in their fields. A journal's impact factor is a measure of the frequency with which an average article in a journal has been cited in a particular year. The following list highlights some recent SRP-funded publications in high impact journals.

- The New England Journal of Medicine (impact factor: 72.496)
- Chemical Reviews (impact factor: 47.928)
- Lancet (London, England) (impact factor: 47.831)
- Nature Reviews - Molecular Cell Biology (impact factor: 46.802)
- JAMA - Journal of the American Medical Association (impact factor: 44.455)
- Nature Biotechnology (impact factor: 41.957)
- Nature (impact factor: 40.137)
- Nature Reviews Immunology (impact factor: 39.932)
- Nature Materials (impact factor: 39.737)
- Nature Nanotechnology (impact factor: 38.989)
- Chemical Society Reviews (impact factor: 38.618)
- Science (New York, N.Y.) (impact factor: 37.295)

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1 American Journal of Sports Medicine	journal	3.375	176	365	1260	11914	6224	1090	5.35	32.64
2 British Journal of Sports Medicine	journal	3.253	123	540	1050	10060	4959	751	6.07	18.63
3 Sports Medicine	journal	3.156	142	187	408	11004	2558	345	7.23	58.84
4 Journal of Bone and Joint Research	journal	2.712	210	251	858	10493	4654	768	5.74	41.80

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pubmed manual th... 123
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pubmed running in... 10
pubmed stress fra... 2
pubmed tendinopa... 24

Pub Med Searches
230 unread articles

FEATURED

Do MRI and ultrasound of the anterior pelvis correlate with, or predict, young football players' clinical findings? A 4-year prospective study of elite academy soccer players.
pubmed: tendinopathy / 15h

Comparison of Three Dimensional Patellofemoral Joint Reaction Forces in Persons With and Without Patellofemoral Pain.
Related Articles Comparison of Three Dimensional Patellofemoral joint running biomechanics / 17h

Physical Therapists' Clinical Knowledge of Multidisciplinary Low Back Pain Treatment Guidelines.
Related Articles Physical Therapists' Clinical Knowledge of Multidisciplinary Low Back Pain pubmed: manual therapy / 17h

TODAY

Extended indications for foot and ankle arthroscopy.
Related Articles Extended indications for foot and ankle arthroscopy / Ann Acad Orthop Surg 2014;Jan;22(1):10-6 Authors Hsu AR, Gross CE, Lee S, Camera DS-Abstract Advances in foot and ankle arthroscopy have allowed pubmed: tendinopathy by Hsu AR, Gross CE... / 15h

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BRITISH JOURNAL OF SPORTS MEDICINE

FEATURED

Concussions in National Hockey League (NHL) players: 5-year video analysis
Objective To understand, through video analysis, how playing characteristics and mechanism of injury contribute to concussions in the National Hockey League (NHL). Design Prospective case series of concussions over a 5-year period of regular season NHL games (2008-2010). Subjects Digital video / 3 days ago

The University of Toronto Concussion Symptom Scale: do initial symptoms predict outcome?
Objective To explore symptoms during injury complaints and time to return-to-play, expected by university level athletes. Design Prospective case series of concussions during three athletic seasons (2008-2010). Setting University of Toronto, Ontario, Canada. Subjects Athletes who / 3 days ago

The development of an observational tool to code knockouts in Mixed Martial Arts
Objective To develop an observational tool to reliably code the situational characteristics and mechanism of knockout for fights ending in knockout (KO) or technical KO (TKO). Design Digital video images and real-time observation were collected retrospectively for UFC events during 2006-2008. Subjects Test coders independently / 3 days ago

MAR 12

Detecting suboptimal effort in concussion management settings with the axon sports CCAT
Objective Accurate concussion management relies on the integrity of baseline and follow-up assessments to reflect actual cognitive abilities. The study compared performance differences in digital versus paper-based conditions, and evaluated the ability of embedded effort indicators in the Axon Sports Computerized Cognitive Assessment Tool / 16 hours, 45 mins, 13 days ago

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PT in Motion: News Now
Innovation 2.0 Projects Selected For May Workshop
March 10, 2014

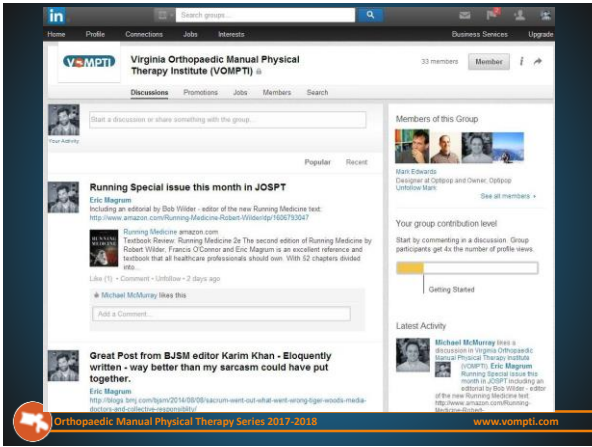
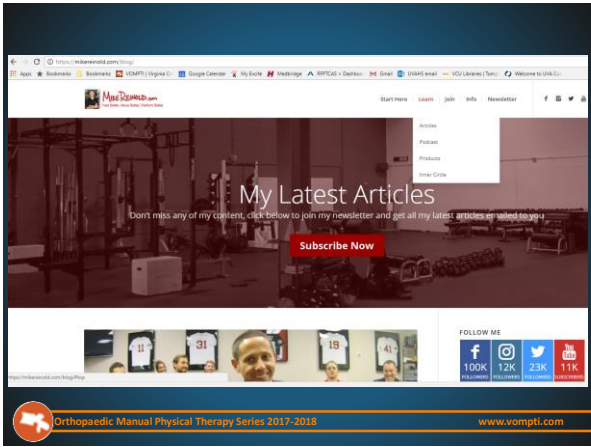
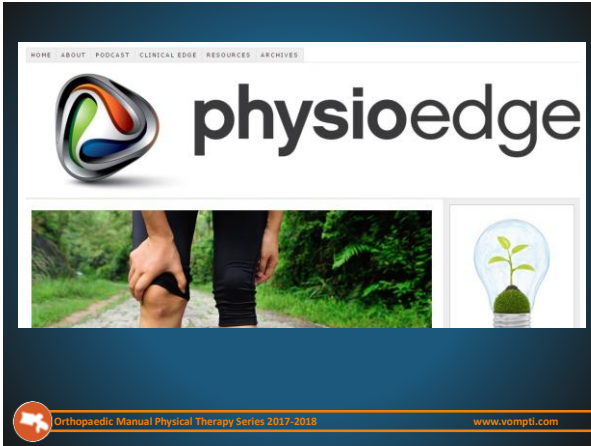
Medicare Spending Differences Still a Mystery
March 10, 2014

Telehealth Assessments of LBP: Ready for Prime Time?
March 7, 2014

Humana Completing MPPR Refunds, Delays Policy Implementation
March 6, 2014

Feedback Needed on Draft Manual for Residency and Fellowship Education

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- Other Ways to be consistent/efficient “Pushers” ?
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- Create PUSHer “links/groups”
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- Journal Clubs
- Clinical in services
- Patient Centered topics
 - List most common diagnosis in clinic
 - Review EBP Guidelines
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 - LBP and Manipulation
 - Achilles Tendonopathy
 - MTSS

