

Hand Rehabilitation

Current Awareness Newsletter



February 2017

(Bimonthly)

Respecting everyone
Embracing change
Recognising success
Working together
Our hospitals.



Library and Information Service

library@uhbristol.nhs.uk



Training Calendar 2017

All sessions are 1 hour

<u>February</u>	(12pm - 1pm)
Fri 3rd	Literature searching
Mon 6th	Critical Appraisal
Tues 14th	Interpreting Statistics
Weds 22nd	Literature Searching
<u>March</u>	(1pm - 2pm)
Thurs 2nd	Critical Appraisal
Fri 10th	Interpreting Statistics
Mon 13th	Literature Searching
Tues 21st	Critical Appraisal
Weds 29th	Interpreting Statistics

Your Outreach Librarian – **Helen Pullen**

Whatever your information needs, the library is here to help. Just email us at library@uhbristol.nhs.uk

Outreach: Your Outreach Librarian can help facilitate evidence-based practice for all in the team, as well as assisting with academic study and research. We also offer one-to-one or small group training in **literature searching, critical appraisal and medical statistics**. Get in touch: library@uhbristol.nhs.uk

Literature searching: We provide a literature searching service for any library member. For those embarking on their own research it is advisable to book some time with one of the librarians for a 1 to 1 session where we can guide you through the process of creating a well-focused literature research. Please email requests to library@uhbristol.nhs.uk

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Librarians on demand!

Do you urgently need to find evidence to support your treatment of a patient? Would you like immediate information about a particular therapy, practice, condition, or other clinical need?

The Library can provide swift assistance with a range of our services, including literature searches and access to full text articles.

You can discuss your **urgent literature search** needs with a librarian immediately by calling extension 20105. A librarian can also be with you in your clinical area usually within 15 minutes.

For **speedy article requests** and other library services, email library@uhbristol.nhs.uk. If you specify your urgent need, we will prioritise this.



Updates

NICE National Institute for
Health and Care Excellence

[ACR–SPR–SSR Practice Parameter for the Performance and Interpretation of Magnetic Resonance Imaging \(MRI\) of the Fingers and Toes](#) [PDF]

Source: [American College of Radiology](#) - 01 July 2016

...and toes such as fractures, dislocations, and the presence of radio...PRACTICE PARAMETER MRI of the Fingers and Toes / 3 B. MRI of the fingers or toes may be indicated to...97].* C. MRI of the fingers or toes may be useful to evaluate...104-107]. 6. Trigger finger [108-110]. 7. Preoperative...

[ACR appropriateness criteria: Acute Hand and Wrist Trauma](#)

Source: [American College of Radiology](#) - 14 March 2016

...metacarpal fracture or dislocation. Radiologic Procedure...phalangeal fracture or dislocation. Radiologic Procedure...with IV contrast 1 O US finger 1 O Rating Scale: 1...Suspect thumb fracture or dislocation. Radiologic Procedure...fractures and fracture-dislocations are more common than those...in the wrist, hand, or fingers [5]. In most patients with suspected...

[Guidelines for professional ultrasound practice](#) [PDF]

Source: [Society of Radiographers - SOR](#) - 05 December 2016 - Publisher: Society of Radiographers (SCoR);British Medical Ultrasound Society (BMUS)

This document is as a result of collaboration between the Society and College of Radiographers (SCoR) and the British Medical Ultrasound Society (BMUS). Originally published in December 2015 it will be reviewed every year to maintain currency. This is

[Read Summary](#)

[ACR–SPR–SSR Practice Parameter for the Performance of Radiography of the Extremities](#) [PDF]

Source: [American College of Radiology](#) - 01 July 2016

...oblique, and lateral (fanned fingers) [9,10] Hand bone age PA...Radiography of acromioclavicular dislocation and associated injuries. Crit...MA, De Smet AA. Fractures

[Atlas of Skeletal SPECT/CT Clinical Images : IAEA Human Health Series 34](#) [PDF]

Source: [International Atomic Energy Agency](#) - 01 August 2016 - Publisher: International Atomic Energy Agency

The atlas focuses specifically on single photon emission computed tomography/computed tomography (SPECT/CT) in musculoskeletal imaging, and thus illustrates the inherent advantages of

the combination of the metabolic and anatomical component in a single

[Read Summary](#)

[Evaluation of an intervention to prevent falls](#) [PDF]

Source: [RAND Europe](#) - 26 October 2016 - Publisher: RAND Europe

The Office of the Assistant Secretary for Planning and Evaluation (ASPE) in the U.S. Department of Health and Human Services asked the RAND Corporation to evaluate the effectiveness of an intervention designed to prevent falls in the elderly, with a

[Read Summary](#)



[Rehabilitation following surgery for flexor tendon injuries of the hand](#)

Susan E Peters , Bhavana Jha and Mark Ross

Online Publication Date: January 2017

UpToDate[®]

OpenAthens login required. Register here: <https://openathens.nice.org.uk/>

[https://www.uptodate.com/contents/evaluation-of-the-patient-with-thumb-pain?source=search_result&search=Trapeziectomy%20\(Osteoarthritis%20thumb\)&selectedTitle=1~150](https://www.uptodate.com/contents/evaluation-of-the-patient-with-thumb-pain?source=search_result&search=Trapeziectomy%20(Osteoarthritis%20thumb)&selectedTitle=1~150)

Other - NHS 'Behind the Headlines', Guidance etc

No new evidence

Journal Tables of Contents

Click on the **journal title (+ Ctrl)** for the most recent tables of contents.

If you would like any of the papers in full text then please email the library:

library@uhbristol.nhs.uk

Journal of Hand Surgery (British and European)

February 2017, Volume 42, Issue 2

Journal of Hand Surgery (America)

February 2017, Volume 42, Issue 2

Journal of Hand Therapy

October – December 2016, Volume 29, Issue 4 (Quarterly)



**Every day more than a million decisions are made
across the NHS and healthcare sector**

Under the Health and Social Care Act 2012 there is a responsibility for health services to ensure use of evidence obtained from research, with the aim of improving quality of care, patient experience and cost effectiveness.

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Health Education England

Current Awareness Database Articles

Below are a selection of articles related to hand rehabilitation that were recently added to the healthcare databases. If you would like any of the following articles in full text, or if you would like a more focused search on your own topic, then get in touch: library@uhbristol.nhs.uk

DeQuervains tenosynovitis

1. Surgical anatomy of the first extensor compartment: A systematic review and comparison of normal cadavers vs. De Quervain syndrome patients.

Author(s): Lee, Z-Hye; Stranix, J T; Anzai, Lavinia; Sharma, Sheel

Source: Journal of plastic, reconstructive & aesthetic surgery : JPRAS; Jan 2017; vol. 70 (no. 1); p. 127-131

Publication Date: Jan 2017

Publication Type(s): Journal Article

Database: Medline

2. Evidence-Based Medicine: Options for Dupuytren's Contracture: Incise, Excise, and Dissolve.

Author(s): Denkler, Keith A; Vaughn, Carolyn J; Dolan, Estelle L; Hansen, Scott L

Source: Plastic and reconstructive surgery; Jan 2017; vol. 139 (no. 1); p. 240e

Publication Date: Jan 2017

Publication Type(s): Journal Article

Database: Medline

2. A Clinical, Biological, and Biomaterials Perspective into Tendon Injuries and Regeneration.

Author(s): Walden, Grace; Liao, Xin; Donell, Simon; Raxworthy, Mike J; Riley, Graham P; Saeed, Aram

Source: Tissue engineering. Part B, Reviews; Feb 2017; vol. 23 (no. 1); p. 44-58

Publication Date: Feb 2017

Publication Type(s): Journal Article

Database: Medline

3. Refinement of myotome values in the upper limb: Evidence from brachial plexus injuries.

Author(s): Bell, S W; Brown, M J C; Hems, T J

Source: The surgeon : journal of the Royal Colleges of Surgeons of Edinburgh and Ireland; Feb 2017; vol. 15 (no. 1); p. 1-6

Publication Date: Feb 2017

Publication Type(s): Journal Article

Database: Medline

4. Flexor Tendon Pulley Injuries in Rock Climbers.

Author(s): King, Elizabeth A; Lien, John R

Source: Hand clinics; Feb 2017; vol. 33 (no. 1); p. 141-148

Publication Date: Feb 2017

Publication Type(s): Journal Article Review

Database: Medline

5. Hand and Wrist Injuries in Golfers and Their Treatment.

Author(s): Woo, Sang-Hyun; Lee, Young-Keun; Kim, Jong-Min; Cheon, Ho-Jun; Chung, William H J

Source: Hand clinics; Feb 2017; vol. 33 (no. 1); p. 81-96

Publication Date: Feb 2017

Publication Type(s): Journal Article Review

Database: Medline

Dislocations Fingers

1. Reverse hemi-hamate arthroplasty for volar fracture dislocation of the proximal interphalangeal joint of the finger.

Author(s): Sinclair, V F; Karantana, A; Muir, L

Source: The Journal of hand surgery, European volume; Feb 2017; vol. 42 (no. 2); p. 199-200

Publication Date: Feb 2017

Publication Type(s): Journal Article

Database: Medline

Trapeziectomy (Osteoarthritis thumb)

1. Results of 115 Rubis II reverse thumb carpometacarpal joint prostheses with a mean follow-up of 10 years.

Author(s): Dehl, M; Chelli, M; Lippmann, S; Benaissa, S; Rotari, V; Moughabghab, M

Source: The Journal of hand surgery, European volume; Feb 2017 ; p. 1753193416687508

Publication Date: Feb 2017

Publication Type(s): Journal Article

Database: Medline

2. Evidence-Based Practice in the Surgical Treatment of Thumb Carpometacarpal Joint Arthritis.

Author(s): Yuan, Frank; Aliu, Oluseyi; Chung, Kevin C; Mahmoudi, Elham

Source: The Journal of hand surgery; Feb 2017; vol. 42 (no. 2); p. 104

Publication Date: Feb 2017

Publication Type(s): Journal Article

Database: Medline

3. Locking Plate Arthrodesis Compares Favorably with LRTI for Thumb Trapeziometacarpal Arthrosis: Early Outcomes from a Longitudinal Cohort Study.

Author(s): Kazmers, Nikolas H; Hippensteel, K J; Calfee, Ryan P; Wall, Lindley B; Boyer, Martin I; Goldfarb, Charles A; Gelberman, Richard H; Osei, Daniel A

Source: HSS journal : the musculoskeletal journal of Hospital for Special Surgery; Feb 2017; vol. 13 (no. 1); p. 54-60

Publication Date: Feb 2017

Publication Type(s): Journal Article

Database: Medline

Database: Medline

5. Minimum 10-year clinical and radiological follow-up of trapeziectomy with interposition or suspensionplasty for basal thumb arthritis.

Author(s): Pomares, G; Delgrande, D; Dap, F; Dautel, G

Source: Orthopaedics & traumatology, surgery & research : OTSR; Dec 2016; vol. 102 (no. 8); p. 995-1000

Publication Date: Dec 2016

Publication Type(s): Journal Article

Database: Medline

6. Thumb Metacarpal Subsidence After Partial Trapeziectomy With Capsular Interposition Arthroplasty: A Biomechanical Study.

Author(s): Salas, Christina; Mercer, Deana M; O'Mahony, Gavin; Love, James; LaBaze, Dukens; Moneim, Moheb S

Source: Hand (New York, N.Y.); Dec 2016; vol. 11 (no. 4); p. 444-449

Publication Date: Dec 2016

Publication Type(s): Journal Article

Database: Medline

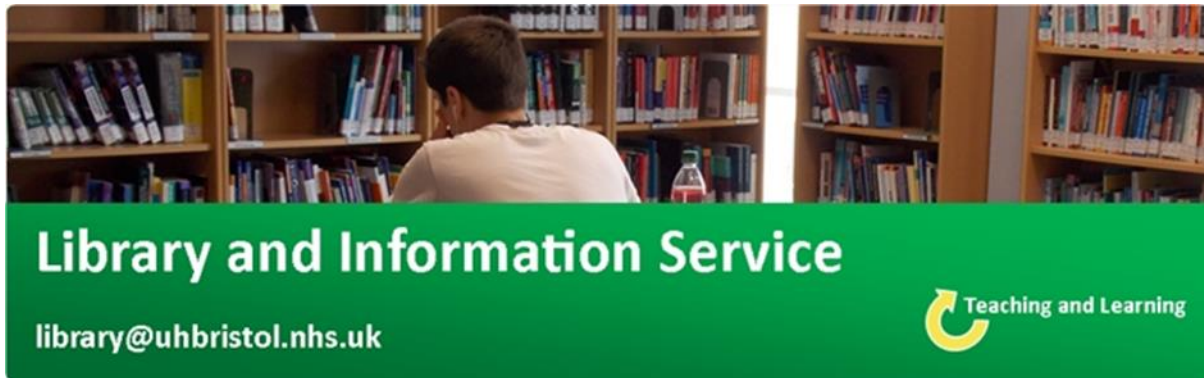
Exercise: Heterogeneity

Heterogeneity is the extent to which studies brought together in a systematic review demonstrate variation across a range of key variables.

Match the different types of heterogeneity:

1. Statistical heterogeneity (conventionally just known as 'heterogeneity')
 2. Methodological heterogeneity
 3. Clinical heterogeneity
-
- A. Variability in the participants, interventions and outcomes studied
 - B. Variability in study design and risk of bias
 - C. Variability in the intervention effects being evaluated in the different studies

Answers: 1C, 2B, 3A



Library Opening Times

Staffed hours: 8am-5pm, Mon-Fri

Swipe-card access: 7am-11pm, 7 days a week

Level 5, Education and Research Centre

University Hospitals Bristol

Contact your Outreach Librarian:

Helen Pullen

library@uhbristol.nhs.uk