



BRITISH
ASSOCIATION OF
CHARTERED
PHYSIOTHERAPISTS IN
AMPUTEE
REHABILITATION

AMPUTATION REHABILITATION

**RESOURCES
AVAILABLE FOR
AUDIT,
RESEARCH,
CRITICAL APPRAISAL,
AND INFORMATION**

2013



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INTRODUCTION

British Association of Chartered Physiotherapists in Amputee Rehabilitation

The British Association of Chartered Physiotherapists in Amputee Rehabilitation (BACPAR) is a professional network affiliated to the Chartered Society of Physiotherapy (CSP). BACPAR aims to promote best practice in the field of amputee and prosthetic rehabilitation for the benefit of patients, users and the profession. It is committed to research and education, providing a network for the dissemination of best practice in pursuit of excellence and equity, whilst maintaining cost effectiveness.

This guide to the resources available for research and audit was first published in 2008 and has now been updated and new information has been added. It provides a comprehensive list of databases to enable the researcher to find articles relating to the specialised area of amputation rehabilitation as well as broader areas of healthcare.

Searching the Literature

Learning Resource Centres and Libraries within Hospital Trusts and Universities will provide guidance and advice and have the resources to help with literature searching. Training sessions on literature searching are often available and some guidance documents may be available on Trust or University intranet sites.

A useful explanation is given on the British Nursing Index home page on the Glasgow Caledonian University library website.

<http://www.gcu.ac.uk/library/searchfor/247databasehelp/healthandlifesciences/britishnursingindexbni/>

Librarians will often carry out literature searches and the CSP Library & Information Service will also provide this service.

<http://www.csp.org.uk/professional-union/library/literature-searching>

Before beginning a literature search it is useful to formulate the research question and consider the terms which may be most appropriate. Consider using the PICO model:’

Patient – what are the characteristics of the patient?

Intervention – What are you going to do?

Comparison – What is the alternative?

Outcome – What is your intended outcome?



DATABASES and EVIDENCE BASED WEBSITES

Search alerts can be setup for most databases to notify of new articles of interest.

National Electronic Library for Health

<http://www.library.nhs.uk/>

This is available to all NHS staff by logging in via Athens username and password –the Trust librarian will set this up. NELH provides access to the Cochrane Library, full text e-journals & e-books available to NHS staff and major databases: AMED, British Nursing Index, CINAHL, EMBASE, Health Business Elite, HMC, MEDLINE, PsychINFO,

AMED – Allied & Complementary Medicine

<http://www.ebscohost.com/academic/amed>

AMED provides an alternative medicine database for physicians, therapists, medical researchers and clinicians looking to learn more about alternative treatments - including complementary medicine, physiotherapy, occupational therapy, rehabilitation, podiatry, palliative care, and more. AMED contains basic bibliographic records (abstracts are also included for many records dated 1995 onward) for relevant articles from over 500 journals, with the scope of coverage being mainly European.

Many of the journals included in *AMED* are not indexed by other biomedical sources. *AMED* is produced by the Health Care Information Service of the British Library.

British Nursing Index

<http://www.library.nhs.uk/help/resource/bni>

The British Nursing Index (BNI) is a bibliographic database that indexes articles from the most popular English language nursing journals published primarily in the UK. BNI is a comprehensive index covering all aspects of nursing, midwifery and community healthcare from 1985 to the present, and is updated monthly. This database is supplied by ProQuest.

CasesDatabase

<http://www.casesdatabase.com/>

Launched in 2013, the Cases database is a continuously-updated free-to-access database of thousands of case reports from multiple publishers and PubMed Central. By aggregating case reports and facilitating comparison this database allow clinicians and researchers to identify emerging trends, new associations, new side effects, new thoughts about disease processes and new understanding about the impact of disease on patients lives.



CINAHL- Cumulative Index to Nursing and Allied Health Literature

<http://www.cinahl.com/>

Encompasses authoritative coverage of nursing and allied health. Provides access to a large proportion of English-language nursing journals and includes selected articles from approx. 3200 biomedical journals indexed by Index Medicus.

CINAHL Plus with Full Text provides full text for hundreds of journals indexed in the *CINAHL* database, and includes a higher number of records, additional journals, records dating back to 1937 and expanded content. Additional material includes Evidence-Based Care Sheets and Quick Lessons which provide concise overviews of diseases and conditions and outline the most effective treatment options.

C.H.A.I.N. – Contact Help Advice Information Network

<http://chain.ulcc.ac.uk/chain/index.html>

CHAIN is a successful online mutual support network of over 12,000 people working in health and social care. The Network originated 14 years ago in the NHS Research & Development programme in England. It is multi-professional and cross organisational, and is designed to connect like-minded health and social care practitioners, educators, researchers and managers. CHAIN now covers the whole of the UK and is also becoming international, with smaller satellites in Australia, Canada, Scandinavia, Italy, Spain and members in 40 other countries worldwide.

Chartered Society of Physiotherapy (CSP) Library System

lis@csp.org

CSP members can access a wide range of [library services](#) by logging into the CSP website to access all services. The CSP Library and Information Service (LIS) exists to support members in their evidence-based practice, to assist their professional education and continuing professional development and to contribute to their research.

The Online Library Catalogue

The online library catalogue is open access to all although some of the links may be to resources which are member only.

<http://www.csp.org.uk/professional-union/library/catalogue>

The CSP online library catalogue includes books and e-books, reports and e-documents, theses, journal titles and e-journals, websites and much more.

Databases

CSP members have online access to:

Cinahl Plus with full text

AMED

Medline

SportDiscus



e-book collection

In addition there is a page of [free bibliographic databases](#) which can be accessed by anyone.

Loans

CSP members may borrow up to 4 items from the Learning Resource Centre either in person or by post. See the [Lending Service](#) for details

Literature searching

CSP members (excluding students) may request [literature searches](#) from LIS staff (charges apply)

Photocopying

Members and non-members may request [photocopies](#) of journal articles etc within the provision of the current copyright legislation (charges apply). There is also a page [e-journal and databases](#) and another on [current awareness](#)

Care Quality Commission (formerly The Healthcare Commission)

<http://www.cqc.org.uk/public>

The Care Quality Commission ensures that a wide range of primary, secondary and specialist health care services in England are meeting national standards.

COCHRANE LIBRARY database

www.cochrane.org/reviews/clibintro.htm

The Cochrane Library <http://www.thecochranelibrary.com/view/0/index.html> consists of a regularly updated collection of evidence-based medicine databases, including The Cochrane Database of Systematic Reviews. This database includes systematic reviews of healthcare interventions that are produced and disseminated by The Cochrane Collaboration.

Cochrane Reviews are [systematic reviews](#) of primary research in human health care and health policy, and are internationally recognised as the highest standard in [evidence-based health care](#). They investigate the effects of interventions for prevention, treatment and rehabilitation. They also assess the accuracy of a diagnostic test for a given condition in a specific patient group and setting.

EMCare / EMBASE – Rehabilitation and Physical Medicine

<http://www.elsevier.com>

With over 24 million indexed records and more than 7,600 currently indexed peer-reviewed journals, Embase is a highly versatile, multipurpose and up-to-date database covering the most important international biomedical literature from 1947 to the present day. All MEDLINE records produced by the National Library of Medicine (NLM) are included, as well over 5 million records not covered on MEDLINE.



Department of Health (UK)

<http://www.doh.gov.uk/>

For information about health policy and health information generally.

Health Business Elite

<http://www.library.nhs.uk/login.aspx?postloginpage=/hdas>

This database provides comprehensive journal content detailing all aspects of health care administration and other non-clinical aspects of health care institution management. Topics covered include hospital management, hospital administration, marketing, human resources, computer technology, facilities management and insurance. Health Business™ Elite contains full text content from more than 480 journals such as H&HN: Hospitals & Health Networks, Harvard Business Review (available back to 1922), Health Facilities Management, Health Management Technology, Healthcare Financial Management, Marketing Health Services, Materials Management in Health Care, Modern Healthcare, and many more.

Health Management Information Consortium

<http://www.library.nhs.uk/help/resource/hmic>

The Health Management Information Consortium database is a compilation of data from two sources, the Department of Health's Library and Information Services and King's Fund Information and Library Service.

Limbless statistics (University of Salford)

<http://www.limbless-statistics.org/>

Limbless statistics replaced NASDAB in 2010 following NASDAB's sustained lack of funding. The last annual report was the NASDAB report of 2006/2007. The national amputee statistical database annual reports have demographic, diagnostic and activity information on new amputations referred to UK prosthetic services. The reports are provided to advise and inform clinicians, managers, service providers, companies contracting with the NHS, and those concerned with healthcare commissioning.

MEDLINE

http://www.proquest.com/en-US/catalogs/databases/detail/medline_ft.shtml

MEDLINE®, the U.S. National Library of Medicine's bibliographic database, consists of more than 11 million articles from over 4,800 indexed titles. MEDLINE on the ProQuest® platform incorporates MEDLINE's proprietary Medical Subject Headings (MeSH) thesaurus. This controlled vocabulary provides more than 22,000 main headings and thousands of cross-references for consistent classification; with topic



trees for focusing searches effectively. ProQuest offers a full-text counterpart to MEDLINE that adds

further value to this already impressive database. MEDLINE with FullText® incorporates full-text journals from ProQuest Medical Library™.

PubMed/MEDLINE

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>

PubMed is a service of the [U.S. National Library of Medicine](http://www.nlm.nih.gov/) that includes more than 22 million citations from MEDLINE and other life science journals for biomedical articles and online books. Citations may include links to full-text content from PubMed Central and publisher web sites. PubMed comprises more than 22 million citations for biomedical literature from MEDLINE, life science journals,

MEDLINE Plus

<http://medlineplus.nlm.nih.gov/medlineplus/>

These pages are designed to direct you to resources containing information that will help you research your health questions. Designed for educational use only and are not intended to replace advice from health professionals.

NARIC's REHABDATA

<http://www.naric.com>

The National Rehabilitation Information Center (NARIC) is the library of the National Institute on Disability and Rehabilitation Research (NIDRR.). It collects, catalogues, and disseminates the articles, reports, curricula, guides, and other publications and products of the research projects funded by NIDRR. NIDRR funds more than 250 projects each year that conduct research on a wide range of issues including technology, health and function, independent living, and capacity building.

National Research Register

This has been archived at <https://portal.nihr.ac.uk/Pages/NRRArchive.aspx>

The archive is a searchable copy of the records that used to be held in the National Research Register (NRR) Projects Database. It was created using the final issue of the NRR published in October 2007, based on records collected up to September 2007.

The archive does not include the MRC Clinical Trials Directory or the CRD Register of Reviews. These used to be bundled in with the National Research Register Projects Database.

The National Research Register was a public database of ongoing and recently completed research projects funded by, or of interest to, the United Kingdom's National Health Service (NHS).



The National Institute for Health Research (NIHR)

<http://www.nihr.ac.uk/Pages/default.aspx>

The National Institute for Health Research (NIHR) now brings together government support for research in the NHS in England, through the United Kingdom Clinical Research Network (UKCRN). A new system for recording research conducted by the NIHR has been established.

The repository for this information is the Portfolio Database, which currently contains approximately 2,000 studies, and can be accessed for public searching. Detailed instructions on how to search the Portfolio Database are available at http://www.ukcrn.org.uk/index/clinical/portfolio_new/P_search.html, and the Portfolio database is available at <http://public.ukcrn.org.uk/search>.

Contact the NIHR at portalenquiries@nihr.ac.uk for more information.

NICE (UK) – National Institute for Clinical Excellence

<http://www.nice.org.uk>

NICE appraises health interventions before they are introduced in the health service. It offers clinicians and health professionals clear guidelines on which treatments work best for patients.

NHS Evidence

<http://www.evidence.nhs.uk/>

NHS Evidence is a service that provides fast access to authoritative health and social care evidence and best practice through a web-based portal. In one place, you can simultaneously search over 250,000 resources from hundreds of trustworthy and accredited sources including The Cochrane Library, NICE and Royal Colleges.

PEDro – The Physiotherapy Evidence Database

<http://www.physiobob.com/forum/links/showlink.php?catid=poplinks&do=showdetails&l=46>

This evidence based database has been developed to give rapid access to bibliographic details and abstracts of randomised controlled trials and systemic reviews in physiotherapy. Most trials have been rated for quality to help identify trials that are valid and interpretable. All randomised controlled trials are rated for methodological quality using a specially-designed scale (the PEDro scale). Physiotherapists can visit the PEDro web-site and use powerful, user-friendly search strategies to obtain bibliographic details and author abstracts of all relevant systematic reviews and randomised controlled trials, ranked according to methodological quality.



Proquest.

<http://www.proquest.com/>

From the website 'ProQuest provides seamless access to and navigation of more than 125 billion digital pages of the world's scholarship, delivering it to the desktop and into the workflow of serious researchers in multiple fields, from arts, literature, and social science to science, technology, and medicine. ProQuest is part of Cambridge Information Group (www.cambridgeinformationgroup.com).

PsycINFO

<http://www.apa.org/>

Produced by the American Psychological Association, this is a comprehensive source of information covering psychology, treatment, clinical and behavioural studies, and social and educational psychology.

The RECAL legacy. University of Strathclyde. National Centre for Training in Prosthetics and Orthotics.

<http://cdlr.strath.ac.uk/recal/>

This archive is the world's most comprehensive database in the field of prosthetics, orthotics and related physical medicine and rehabilitation. It holds 83000 bibliographic records, from the early 1900s to 2007.

RETIS – Rehabilitation Technology Information Service

<http://www.retis.scot.nhs.uk>

ReTIS is jointly funded by all Scottish Health Boards to provide a national information service in the field of Rehabilitation Technology. The service provides information and support in the areas of Wheelchairs and Seating, Prosthetics, Orthotics and Electronic Assistive Technology (EAT). EAT includes Environmental Control Services.

Science Direct

<http://www.sciencedirect.com/>

ScienceDirect is [website](#) operated by the [Dutch](#) publisher [Elsevier](#) containing (as of 2013) about 11 million articles from 2,500 journals and 6,000 e-books, reference works, book series and handbooks. The articles are grouped in four main sections: [Physical Sciences](#) and [Engineering](#), [Life Sciences](#), [Health Sciences](#), and [Social Sciences](#) and [Humanities](#). For most articles on the website, abstracts are freely available; access to the full text of the article (in PDF, and also HTML for newer publications) requires a subscription or pay-per-view purchase.

Scopus

<http://www.scopus.com/scopus/home.url>

'the largest abstract and citation database of research literature and quality web sources with smart tools to track, analyze and visualize research.'



Requires institutional access

CRITICAL APPRAISAL

Critical appraisal is the process of carefully and systematically examining research to judge its trustworthiness, and its value and relevance in a particular context.

ICSP – Interactive CSP

<http://www.interactivecsp.org.uk>

Critical Appraisal Skills Programme (CASP)

<http://www.phru.nhs.uk/Pages/PHD/CASP.htm>

Since its 'birth' in 1993, the Critical Appraisal Skills Programme (CASP) has helped to develop an evidence-based approach in health and social care, working with local, national and international groups.

CASP aims to enable individuals to develop the skills to find and make sense of research evidence, helping them to put knowledge into practice.

CRITICAL APPRAISAL TOOLS

Centre for Evidence Based Medicine

<http://www.cebm.net/index.aspx?o=1001>

Critically appraised topics (CATS)

<http://www.cebm.net/index.aspx?o=1216>

Scottish Intercollegiate Guidelines Network

Home page: <http://www.sign.ac.uk/index.html>

Annex for critical appraisal tools:

<http://www.sign.ac.uk/guidelines/fulltext/50/annexc.html>



OTHER SOURCES of INFORMATION

BACPAR

BACPAR's website address <http://bacpar.csp.org.uk/> provides information about the organisation.

BACPAR also moderates the "Amputee Rehabilitation" network on interactive CSP <http://bacpar.csp.org.uk/>. This network is accessible to CSP Members and Allied Associate Members of BACPAR and provides a secure site for debate, information and peer support.

BACPAR maintains a small library of articles that are available free to members. A bibliography of related text books and articles is also available to members only.

BACPAR Evidence Based Clinical Guidelines for the Physiotherapy Management of Adults with Amputation or Lower Limb Prostheses.

Blundell, R., Bow, D., Donald, J., Drury, S and L. Hirst. 2008. Guidelines for the Prevention of Falls in Lower Limb Amputees.
<http://bacpar.csp.org.uk/publications/guidance-falls-prevention-lower-limb-amputees>

Bouch, E., Burns, K., Geer, E., Fuller M and A, Rose. 2012. Guidance for the multi disciplinary team on the management of post-operative residuum oedema in lower limb amputees.
<http://bacpar.csp.org.uk/publications/guidance-multi-disciplinary-team-management-post-operative-residuum-oedema-lowe>

Brett, F., Burton, C., Brown. M., Clare, K., Duguid, M., Randall, T and D, Thomas. 2010. Risks to the Contralateral Foot of Unilateral Lower Limb Amputees: A Therapist's Guide to Identification and Management.
<http://bacpar.csp.org.uk/publications/risks-contra-lateral-foot-unilateral-lower-limb-amputees-guideline>

Broomhead P., Clark K., Dawes D., Hale C., Lambert A., Quinlivan D., Randell T., Shepherd R., Withpetersen J. 2012. Evidence Based Clinical Guidelines for the Physiotherapy Managements of Adults with Lower Limb Prostheses, 2nd Edition. Chartered Society of Physiotherapy: London.
<http://www.csp.org.uk/publications/clinical-guidelines-physiotherapy-management-adults-lower-limb-prostheses>

Broomhead P, Dawes D, Hancock A, Unia P, Blundell A, Davies V. 2006. Clinical guidelines for the pre and post operative physiotherapy management of adults with lower limb amputation. Chartered Society of Physiotherapy, London



<http://bacpar.csp.org.uk/publications/clinical-guidelines-pre-post-operative-physiotherapy-management-adults-lower-li>

BACPAR toolkit of Outcome Measures

<http://bacpar.csp.org.uk/publications/bacpar-toolbox-outcome-measures>

This contains 6 evidence based validated outcome measures for use with the amputee population, including how to access them, where and when to use them and how to interpret and apply them.

Outcome Measures Database (CSP)

<http://www.csp.org.uk/professional-union/practice/evidence-base/outcome-measures>

Due to the widespread availability of information in the public domain the CSP no longer maintains its own outcome measures database but it is possible to search the CSP library for 'outcome measures'.

Scottish Physiotherapy Amputee Research Group (SPARG)

Contact: Helen Scott, Chair SPARG, helen.scott@ggc.scot.nhs.uk

Website: <http://www.knowledge.scot.nhs.uk/sparg.aspx>

Annual SPARG report - available electronically from Helen Scott (helen.scott@ggc.scot.nhs.uk)

Annual report of data collected from lower limb amputees in Scotland. Every lower limb amputee has a Discharge Summary Form completed and the report is a comprehensive summary of the national statistics and trends in the data. Some individual hospital data is included.

Exercise therapy for patients with intermittent claudication 2012

Evidence based guidelines for the development and running of exercise classes for patients with Intermittent Claudication (£20)

PPAM aid guidelines 2008

This guideline discusses many areas of PPAM aid use related to available evidence and presents the findings e.g. patient assessment, bilateral amputees and the advantages and disadvantages of its use. (£15)

Transfemoral fitting predictor tool

A practical tool to assess transfemoral amputees on their suitability for prosthetic use. Available electronically from Helen Scott (helen.scott@ggc.scot.nhs.uk)



PROSTHETIC WEBSITES

<http://www.oandp.com>

<http://www.hphdhelp.org>

USEFUL JOURNALS

American Journal of Occupational Therapy
American Journal of Physical Medicine and Rehabilitation
Archives of Physical Medicine and Rehabilitation
Australian Journal of Physiotherapy
Bapomag
BACPAR Journal
British Journal of Nursing
British Journal of Occupational Therapy
British Journal of Therapy and Rehabilitation
British Medical Journal
Clinical Biomechanics
Clinical Orthopaedics
Clinical Rehabilitation
Critical Reviews in Physical and Rehabilitation Medicine
Disability Rehabilitation
International Journal of Rehabilitation Research
Journal of Advanced Nursing
Journal of Allied Health
Journal of the American Geriatrics Society
Journal of the American Medical Association
Journal of Bone and Joint Surgery
Journal of Gerontology
Journal of Rehabilitation Research and Development
Lancet Neuro-psychological Rehabilitation
New Zealand Journal of Physiotherapy
Nurse Researcher
Nursing Research
Pain
Physical Therapy
Physiotherapy
Physiotherapy Canada
Physiotherapy Research International
Physiotherapy Theory and Practice
Prosthetics and Orthotics International
Scandinavian Journal of Rehabilitation Medicine

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