

Topic: Above-Knee Amputation

December 2006

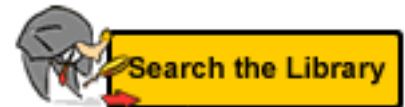
This monthly publication is designed to inform you of resources the NLLIC has to offer on a chosen topic. Please feel free to distribute to those who may find this useful. We also welcome your comments and topic suggestions! Contact us via e-mail at library@amputee-coalition.org.

Resource Types:

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Library OPAC

http://www.amputee-coalition.org/nllic_library.html



Find other related resources by searching the NLLIC OPAC. Note that this is just a sampling of items found in the OPAC.

Books

Atlas of Amputations and Limb Deficiencies: Surgical, Prosthetic and Rehabilitation Principles / American Academy of Orthopaedic Surgeons; edited by Douglas G. Smith, John W. Michael, and John H. Bowker. 3rd edition. Rosemont, IL: American Academy of Orthopaedic Surgeons, 2004. ISBN 0-89203-313-4. This atlas is a comprehensive reference on the surgical, prosthetic and rehabilitative management of adults and children who have lost a limb or who have congenital limb loss. This source contains many images and illustrations.

A Manual for Above-Knee (Trans-Femoral) Amputees / Alvin L. Mullenburg and A. Bennett Wilson Jr. Topping, VA: Rehabilitation Press, 1996. 5th ed. Topping, VA: Rehabilitation Press, 1996. This booklet is written for the new AK amputee. It briefly describes the amputations and then moves on to the process following the surgery. A lot of emphasis is put on information concerning prostheses. Residual limb care is also covered in this booklet.

Patient Care Booklet for Above-Knee Amputees / Donald G. Shurr. Alexandria, VA: The American Academy of Orthotists and Prosthetists. 35 p.: ill.; 1998. This booklet explains to new amputees the basics of amputation surgery, postoperative care, and construction of prostheses for various levels of above-knee amputations. The text is liberally illustrated with drawings, and there is a glossary of terms and a short resource list at the end. Also available in Spanish.

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ACA Articles: Including *inMotion*, *First Step* and *Military in-Step* Articles

Are You Ready for a Prosthesis? Prosthetic Knees / John W. Michael. Knoxville, TN: Amputee Coalition of America, 2001. Article from *First Step: A Guide for Adapting to Limb Loss*, volume 2, 2001. This article takes a close look at a variety of types of prosthetic knees.

http://www.amputee-coalition.org/first_step/firststepv2_s2a06.html

The Doubledog Dare / Tim Rourke. Knoxville, TN: Amputee Coalition of America, 2000. Article from *inMotion*, November / December 2000. Tim Rourke, an above-knee amputee, talks about his journey to being able to let the world see his prosthesis.

http://www.amputee-coalition.org/inmotion/nov_dec_00/double.html

How to Ride a Motorcycle With Parts Missing (On You, Not the Bike): Adaptive Modifications for Amputee Motorcycling / Jeffrey J. Cain, MD. Knoxville, TN: Amputee Coalition of America (ACA), 2006. Article from *inMotion*, May / June 2006. Amputees don't have to give up their passion for motorcycling. This article discusses adaptive motorcycle modifications for both lower- and upper-limb amputees, to get bike enthusiasts back on the road.

http://www.amputee-coalition.org/inmotion/may_jun_06/motorcycle.html

http://www.amputee-coalition.org/inmotion/may_jun_06/motorcycle.pdf

Know Your Options: An Explanation of the Rotationplasty and Tibia Turn-Up Procedures / Kevin Carroll. Knoxville, TN: Amputee Coalition of America, 2005. Article from *inMotion*, March / April 2005. This article examines the rotationplasty and tibia turn-up procedures, including how they work, and prosthetics work with such amputations.

http://www.amputee-coalition.org/inmotion/mar_apr_05/rotationplasty.html

http://www.amputee-coalition.org/inmotion/mar_apr_05/rotationplasty.pdf

Spanish: http://www.amputee-coalition.org/spanish/inmotion/mar_apr_05/rotationplasty.html

Spanish: http://www.amputee-coalition.org/spanish/inmotion/mar_apr_05/rotationplasty.pdf

Prosthetic Knee Systems / by Bill Dupes. Knoxville, TN: Amputee Coalition of America, 2005. Article from *Military in-Step*, 2005. This article gives a recent overview of prosthetic knees.

<http://www.amputee-coalition.org/military-instep/knees.html>

Notes From the Medical Director: The Transfemoral Amputation Level, Part 1 -

"Doc, It's 10 Times More Difficult!" / Douglas G. Smith. Knoxville, TN: Amputee Coalition of America, 2004. Article from *inMotion*, March / April 2004. In Part I of a multi-part article, Dr. Doug Smith examines the prevalence of the transfemoral amputation level, the nomenclature, and the various challenges facing the transfemoral amputee.

http://www.amputee-coalition.org/inmotion/mar_apr_04/transfemoral.html

http://www.amputee-coalition.org/inmotion/mar_apr_04/transfemoral.pdf

Spanish: http://www.amputee-coalition.org/spanish/inmotion/mar_apr_04/transfemoral.html

Spanish: http://www.amputee-coalition.org/spanish/inmotion/mar_apr_04/transfemoral.pdf

Notes From the Medical Director: The Transfemoral Amputation Level, Part 2:

Surgery and Postoperative Care / Douglas G. Smith. Knoxville, TN: Amputee Coalition of America, 2004. Article from *inMotion*, May / June 2004. In this article, Doug Smith, ACA Medical Director, focuses on surgery and postoperative management of the transfemoral level amputation.

http://www.amputee-coalition.org/inmotion/may_jun_04/transfemoral.html

http://www.amputee-coalition.org/inmotion/may_jun_04/transfemoral.pdf

Spanish: http://www.amputee-coalition.org/spanish/inmotion/may_jun_04/transfemoral.html

Spanish: http://www.amputee-coalition.org/spanish/inmotion/may_jun_04/transfemoral.pdf

Notes From the Medical Director: The Transfemoral Amputation Level, Part 3:

Mastering the Vital Skills / Douglas G. Smith. Knoxville, TN: Amputee Coalition of America, 2004. Article from *inMotion*, July/ August 2004. Dr. Doug Smith looks at the importance of mastering a set of vital skills before a prosthesis is prescribed. He also looks at whether life without a prosthesis might be the right choice for certain individuals.

http://www.amputee-coalition.org/inmotion/jul_aug_04/transfemoral3.html

http://www.amputee-coalition.org/inmotion/jul_aug_04/transfemoral3.pdf

Spanish: http://www.amputee-coalition.org/spanish/inmotion/jul_aug_04/transfemoral3.html

Spanish: http://www.amputee-coalition.org/spanish/inmotion/jul_aug_04/transfemoral3.pdf

Notes From the Medical Director: The Transfemoral Amputation Level, Part 4:

Great Prosthetic Components Are Good, But a Good Socket Is Great / Douglas G. Smith. Knoxville, TN: Amputee Coalition of America, 2004. Article from *inMotion*, September / October 2004. Doug Smith takes a look at prosthetics, sockets and suspension for the transfemoral amputee.

http://www.amputee-coalition.org/inmotion/sep_oct_04/transfemoral4.html

http://www.amputee-coalition.org/inmotion/sep_oct_04/transfemoral4.pdf

Spanish: http://www.amputee-coalition.org/spanish/inmotion/sep_oct_04/transfemoral4.html

Spanish: http://www.amputee-coalition.org/spanish/inmotion/sep_oct_04/transfemoral4.pdf

Notes From the Medical Director: The Transfemoral Amputation Level, Part 5: Walking: How Can Something So Simple Be So Complicated? / Douglas G. Smith. Knoxville, TN: Amputee Coalition of America, 2004. Article from *inMotion*, November / December 2004. Doug Smith discusses some of the challenges and complexities of walking. He examines the functions of the prosthetic knees and feet for transfemoral amputees and some new technological advances. He also discusses deciding whether you're a high-tech, low-tech or no-tech type of person.

http://www.amputee-coalition.org/inmotion/nov_dec_04/transfemoral5.html

http://www.amputee-coalition.org/inmotion/nov_dec_04/transfemoral5.pdf

Spanish: http://www.amputee-coalition.org/spanish/inmotion/nov_dec_04/transfemoral5.html

Spanish: http://www.amputee-coalition.org/spanish/inmotion/nov_dec_04/transfemoral5.pdf

Towards Reaching "Normalcy"-- Does it Really Matter? / Donna R. Walton, EdD. Knoxville, TN: Amputee Coalition of America, 2006. Article from *inMotion*, July / August 2006. Dr. Walton describes her own quest to be "normal" and walk without a limp, despite her high-level amputation above the knee. She describes meeting another woman with the same feelings. After years of coping with their own gaits, they both came to the same conclusion of not letting their limp define who they are. After all, their limp is "normal" to them.

http://www.amputee-coalition.org/inmotion/jul_aug_06/reaching_normalcy.html

http://www.amputee-coalition.org/inmotion/jul_aug_06/reaching_normalcy.pdf

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ACA Publications

First Step: A Guide for Adapting to Limb Loss. A publication of the National Limb Loss Information Center. Knoxville, TN: Amputee Coalition of America, 2005. This is the essential guide for all people who are coping with the challenges of limb loss. First Step

offers readers reliable information on consumer issues that have been raised time and time again by amputees attempting to make educated choices, get better services or decide on available options. Also available in Spanish.

<http://www.amputee-coalition.org/publications.html>

inMotion. A publication of the Amputee Coalition of America. Knoxville, TN: Amputee Coalition of America. inMotion is published bimonthly for amputees, caregivers and healthcare professionals, providing timely and important information on a wide variety of topics.

<http://www.amputee-coalition.org/publications.html>

Military in-Step. A publication of the National Limb Loss Information Center. Knoxville, TN: Amputee Coalition of America, 2005. The essential guide for those in the military who are coping with the challenges of limb loss. Published by the Amputee Coalition of America (ACA) in partnership with the U.S. Army Amputee Patient Care Program, this publication offers 100 pages of personal profiles, information on physical and emotional recovery, tips for preventing secondary conditions, information on prosthetic devices, useful resources, and much more.

<http://www.amputee-coalition.org/military-instep/index.html>

Senior Step: A Guide for Adapting to Limb Loss. A publication of the National Limb Loss Information Center. Knoxville, TN: Amputee Coalition of America, 2004. A resource guide to support and educate older amputees, their caregivers and their healthcare and social service providers.

<http://www.amputee-coalition.org/publications.html>

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PubMed© Abstracts

Abstracts of these articles are available via PubMed©, a service of the United States National Library of Medicine®.

Above-Knee Amputation After Recurrent Dislocations of Total Knee Arthroplasty / JL Pao and CC Jiang. New Brunswick, NJ: Taylor and Francis, 2003. Citation to article: Journal of Arthroplasty. 2003 Jan;18(1):105-9.

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=12555193&dopt=Abstract

Biomechanical and Clinical Evaluation of a Newly Designed Polycentric Knee of Transfemoral Prosthesis / Kazutoshi Yokogushi ... [et al.]. Baltimore, MD: Rehabilitation Research and Development Service, Dept. of Veterans Affairs, 2004.

Citation to article: Journal of Rehabilitation Research and Development. 2004 Sep;41 (5):675-82.

<http://www.vard.org/jour/04/41/5/Yokogushi.html>

Comparison of Different Microprocessor Controlled Knee Joints on the Energy Consumption During Walking in Trans-Femoral Amputees: Intelligent Knee Prosthesis (IP) Versus C-leg / T. Chin... [et al.]. Prosthetics and Orthotics International: UK, 2006. Citation to article: Prosthet Orthot Int. 2006 Apr;30(1):73-80.

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16739783&itool=pubmed_DocSum)

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[&list_uids=16739783&itool=pubmed_DocSum](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16739783&itool=pubmed_DocSum)

Design characteristics of Pediatric Prosthetic Knees / J. Andrysek, S. Naumann and WL Cleghorn. Piscataway, NJ: IEEE, 2004. Citation to article: IEEE Transactions on Neural Systems and Rehabilitation Engineering: A Publication of the IEEE Engineering in Medical and Biology Society. 2004 Dec;12(4):369-78.

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15614992)

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[&list_uids=15614992](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15614992)

Does Having a Computerized Prosthetic Knee Influence Cognitive Performance During Amputee Walking? / R.M. Williams ... [et al.]. Philadelphia, PA: W.B. Saunders, 2006. Citation to Article: Archives of Physical Medicine and Rehabilitation, 2006 Jul;87(7):989-94.

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16813788&itool=pubmed_DocSum)

[db=pubmed&cmd=Retrieve&dopt=AbstractPlus](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus)

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[&list_uids=16813788&itool=pubmed_DocSum](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16813788&itool=pubmed_DocSum)

Does Increased Prosthetic Weight Affect Gait Speed and Patient Preference in Dysvascular Transfemoral Amputees? / B. Meikle ... [et al.]. Philadelphia, PA: W.B. Saunders, 2003. Citation to article: Archives of Physical Medicine and Rehabilitation. 2003 Nov;84(11):1657-61. [http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=14639566&dopt=Abstract)

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Long-Term Follow-up of Unilateral Transfemoral Amputees From the Vietnam War / PJ Dougherty. Baltimore, MD: Lippincott Williams & Wilkins, 2003. Citation to article: The Journal of Trauma. 2003 Apr;54(4):718-23.

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=12707534&dopt=Abstract)

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed>

[&list_uids=12707534&dopt=Abstract](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=12707534&dopt=Abstract)

Lower-Extremity Above-Knee Prosthesis-Associated Erectile Dysfunction / R. Munarriz ... [et al.]. Basingstroke, UK: Nature Publishing Group, 2003. Citation to article:

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=12707534&dopt=Abstract

International Journal of Impotence Research: Official Journal of the International Society for Impotence Research. 2003 Aug;15(4):290-2.

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12934059

Prosthesis Intolerance in Patients With Transfemoral Amputation: A

Videocapillaroscopic Study / C. Macchi ... [et al.]. Hagerstown, MD: Lippincott Williams & Wilkins, 2004. Citation to article: American Journal of Physical Medicine & Rehabilitation. 2004 Jun;83(6):486-91.

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15166695

Prosthetic Rehabilitation for Older Dysvascular People Following a Unilateral Transfemoral Amputation / Cumming JC, Barr S, Howe TE. Middlesbrough: UK, 2006.

Citation to article: Cochrane Database Syst Rev. 2006 Oct 18;(4):CD005260.

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=17054250&itool=pubmed_DocSum

Quality of Life in Survivors With a Van Ness-Borggreve Rotationplasty After Bone Tumour Resection / KM Veenstra ... [et al.]. New York, NY: Wiley-Liss, 2000. Citation to article: Journal of Surgical Oncology. 2000 Apr;73(4):192-7.

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10797331&dopt=Abstract

Questionnaire for Persons With Transfemoral Amputation (Q-TFA): Initial Validity and Reliability of a New Outcome Measure / Kerstin Hagberg, Rickard Brånemark and Olle Hägg. Baltimore, MD: Rehabilitation Research and Development Service, Dept. of Veterans Affairs, 2004. Citation to article: Journal of Rehabilitation Research and Development. 2004 September/October;41(5):695-706.

FULL TEXT: <http://www.vard.org/jour/04/41/5/hagberg.html>

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Videos & CD-ROMs

Advanced Gait Training for Lower-Extremity Amputee Patients / written by Carol Stube Hammersley; Wesley M. & Suzanne S. Dixon Education and Training Center, Rehabilitation Institute of Chicago. Chicago, IL: The Institute, [199-?].VHS. This video is

intended to demonstrate advanced gait training skills for both unilateral and bilateral below-knee and above-knee amputee patients. It shows how to manage stairs, curbs, ramps and escalators and how to pick up objects on the floor and step over objects. It also demonstrates how to sit on the floor and rise from the floor.

Fitness Is for Everyone: Aerobics for Amputees / National Handicapped Sports and Recreation Association and INVACARE. New York, NY: Winkler Video Associates, Inc., 1994. VHS. This video includes exercises to physically strengthen people with disabilities. It is specifically designed for amputees. The workout is demonstrated by a nondisabled instructor and an above-knee amputee who adapts the exercises as necessary.

Functional Prosthetic Training for the Transfemoral Amputee / produced by Advanced Rehabilitation Therapy, Inc. Miami, FL: Advanced Rehabilitation Therapy, Inc., c2001. VHS or DVD. This video offers an exercise progression for most levels of prosthetic user. Demonstrates exercises that prepare the amputee to maximize prosthetic performance in daily activities, while developing their overall level of fitness. Exercises focus on stability, balance, muscular endurance, coordination, and agility.

Introductory Amputee Care [CD-ROM]. Amputee Coalition of America, 2002. This video clip shows the lower-extremity amputee how to wrap the residual limb, put on an above-knee prosthesis, use devices such as walkers, canes and crutches, and several ways for the amputee to get up from the floor.

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Web Sites & Organizations

AboveKneeAmputee.com. Plano, TX: AboveKneeAmputee.com, 1999-. This site's purpose is to help above-knee amputees achieve good results when they get their prosthesis, as well as provide support for a variety of above-knee amputee issues. <http://www.abovekneeamputee.com/>

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