

CURRICULUM VITAE

GUNNAR BENGT JOHAN ANDERSSON, M.D., PH.D.

BUSINESS DATA:

Business Address: Rush University Medical Center
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EDUCATION:

1962 Cand. Med., University of Zurich, Zurich, Switzerland
1967 Medicine Licenciat Certificate, University of Göteborg, Göteborg, Sweden
1974 Ph.D., Medical Science, University of Göteborg, Göteborg Sweden - Grade Excellent

Licensure: Sweden (November 23, 1967)
Illinois, U.S.A. (July 1, 1985)

Board Certification:

1990 American Board of Orthopaedic Surgery; Recertified January 2001
1975 Swedish Board of Orthopaedic Surgery

PRESENT POSITION(S):

2008 – Present	The Ronald L. DeWald, M.D., Professor in Spinal Deformities
1995 – 2008	The William A. Hark, M.D. - Susanne G. Swift Professor and Chairman of Orthopedic Surgery, Rush University Medical Center, Chicago, Illinois
1997 - Present	Adjunct Professor, College of Engineering, Bioengineering, University of Illinois at Chicago.
1985 - Present	Professor, Department of Orthopedic Surgery, Rush Medical College, Chicago, Illinois
1985 – Present	Partner, Midwest Orthopaedics at Rush, Chicago, Illinois

PAST POSITION(S):

2002 – 2004	Senior Vice President, Medical Affairs, Rush University Medical Center
2000 – 2002	Vice Dean, Surgical Sciences and Services, Rush Medical College
1992 – 2002	Managing Partner, Midwest Orthopaedics, Chicago, Illinois
1994-1995	Acting Chairman, Department of Orthopedic Surgery, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois
1986-1994	Associate Chairman, Department of Orthopedic Surgery, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois
1982-1983	Distinguished Visiting Professor, Department of Orthopaedic Surgery, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois, USA
1980-1981	Acting Chairman and Professor, Department of Orthopaedic Surgery, University of Göteborg, Sahlgren Hospital, Göteborg, Sweden
1976-1977	Visiting Associate Professor, Materials Engineering, Department of Materials Engineering, University of Illinois at Chicago Circle, Chicago, Illinois
1976-1977	Visiting Assistant Professor, Orthopaedic Surgery, Department of Orthopaedic Surgery, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois
1975-1984	Associate Professor, Department of Orthopaedic Surgery, University of Göteborg, Sahlgren Hospital, Göteborg, Sweden

POST GRADUATE MEDICAL EDUCATION:

1968-1969 (Feb 1-Oct 27)	Resident, Department of Orthopaedic Surgery Boras Hospital, Boras, Sweden
1969-1971 (Oct 28-Feb 1)	Resident, Department of Orthopaedic Surgery II Sahlgren Hospital, Göteborg, Sweden
1971 (Feb 1-July 1)	Fellow, Department of Orthopaedic Surgery The London Hospital, London, England
1971-1973 (Jul 1-Oct 31)	Resident, Department of Orthopaedic Surgery I Sahlgren Hospital, Göteborg, Sweden
1974-1975 (Jan 1-Apr 15)	Resident, Department General Surgery Molndal Hospital, Molndal, Sweden
1998 (Jan 18-30)	Harvard School of Public Health, Boston, MA Program for Chiefs of Clinical Services

2002 Harvard School of Public Health, Boston, MA
(Feb 3-8) Advanced Program for Chiefs of Clinical Services

AWARDS:

1975 Camp Travelling Fellowship, (Swedish Orthopaedic Society)
1981 SIROT Award, Rio de Janeiro (SIROT)
1982 LIC Award, (Swedish Orthopaedic Society)
1989 Muybridge Medal (Int. Soc. of Biomechanics)
1994 Hilker Award (Central States Occupational Med. Assoc.)
2000 North American Spine Society, Outstanding Poster Award (NASS)
2002 ISSLS Stryker Spine Lifetime Achievement Award (ISSLS)
2006 Trustee Medal (Rush University Medical Center)
2006 Russel S. Hibbs Basic Science Award (Scoliosis Research Society)

HONORS:

1982 Camp Lecturer - University of Iowa
1985 President, International Society of Electrophysiological Kiniesiology
1989 President, International Society for the Study of the Lumbar Spine
1990 - 1998 Medical Board, Orthopedic Research and Education Foundation
1990 - 1993 NIH Orthopaedic and Musculoskeletal Study Section
1996 Honored Professional in The National Directory of Who's Who in Executives and Professionals
1996 – Pres. Best Doctors
1996-2006 National Institute for Occupational Safety and Health; Research Agenda
1997 OREF Hark Lectureship, Univ. Washington, Seattle
1997 Strathmore's Who's Who
1999 International Who's Who of Professionals
1999 Frost Visiting Professor, Henry Ford Hospital, Detroit
2000 Patenge Distinguished Lecturer, College of Osteopathic Medicine, Michigan State University
2000 President, Orthopaedic Research Society
2000 - 2004 NIH, Advisory Council NIAMS
1998 Chicago Top Physician
2001 Chicago Top Physician
2001 Selection Committee Chair, Bristol-Myers Squibb/Zimmer Award
2001 - 2003 President Medical Staff, Rush University Medical Center
2001 - 2005 Board of Trustees, Rush University Medical Center
2004 - 2005 President, American Academy of Disability Evaluating Physicians
2004 – 2006 Institute of Medicine, Committee on Social Security Disability
2005 – 2006 NCQA Advisory Committee on Back Pain Recognition Program
2006 – 2008 Medical Review Board, Federal Motor Carrier Safety Administration
2006 - 2007 Institute of Medicine, Committee on Disability in the Veterans Administration System
2006 - External Scientific Review Committee, Hospital for Special Surgery

SOCIETY MEMBERSHIP AND OFFICES HELD:

Academic Orthopaedic Society (By Election)
American Academy of Orthopaedic Surgeons (Fellow By Election)

American Biographical Institute

Research Board of Advisors, 2004 -

American Medical Association

American Medical Association

Guides to the Evaluation of Permanent Impairment

5th Edition – Senior Editor, 2000

Guides to the Evaluation of Permanent Impairment

6th Edition – Editorial Panel, Chapter Contributor, 2008

American Orthopaedic Association (By Election)

American Society of Biomechanics

American Academy of Disability Evaluating Physicians (Fellow By Election)

Director, 1999 – present

President Elect, 2003- 2004

President, 2004 - 2005

American College of Physician Executives – 1998-present

Association of American Medical Colleges (Government Relations Roster 2000-2002)

Clinical Orthopaedic Society (By Election)

European Orthopaedic Research Society (By Election)

Goteborg Medical Association (By Election) (1970 – 1985)

Illinois Medical Society

Illinois Orthopaedic Society

International Society of Electrophysiological Kinesiology (By Election)

Secretary 1976-1980

Vice President 1980-1984

President 1985-1989

International Society of Biomechanics (By Election)

International Back Pain Society

Council of Advisors 1985-1987

Intradiscal Therapy Society

Board of Directors 1990-1992

North American Spine Society (By Election)

Chairman, Affiliate Membership Committee 1992 - 1995

Chairman, Scientific Research Committee 1996 - 1997

Chairman, Research Planning Committee 1997 – 2002

Local Host (Chicago) - 1998

Orthopaedic Research Society (By Election)

Treasurer 1992-1995

Program Committee 1995-1998

Poster Chairman 1997

Program Committee Chairman 1998

President Elect 1999

President 2000

Past President 2001-2003

Mentoring Committee (Chair) 2003-2005

Scandinavian Orthopaedic Society (By Election)

Swedish Orthopaedic Society (By Election)

The American Institute for Medical and Biological Engineering

(Fellow, by Election)

The International Society for the Study of the Lumbar Spine (By Election)

Volvo Award Committee for Research 1979-1994

Regional Representative Europe	1980-1983
Membership Committee	1984-1987
President Elect	1988-89
President	1989-90
International Course Committee	1989-2002
Bylaws Chairman	2003 -
ISSLS Award Committee, Chair	2002 -
Spine Society of Australia (Corresponding Member)	
American Association for the Advancement of Science	1997-2000
MidAmerica Orthopaedic Society	1997-present
Swedish American Museum Center	
Board of Directors	1987-1993
Board of Trustees	1997-present
Co-Chair	2000-present
Swedish American Chamber of Commerce (Chicago)	2005
Board of Directors	

COMMITTEE ASSIGNMENTS (SELECTED):

Sweden

	<u>Göteborg, University</u>
1975-1980	Postgraduate Education Committee
1977-1982	Outpatient Committee
	<u>Swedish Construction Industry</u>
1977-1985	Chairman, Ergonomics Committee
	<u>Swedish Department of Health</u>
1975-1982	Residency Education Committee
1977-1985	Manual Therapy Committee
1979 – 1983	Committee on Problems and Strategies for Musculoskeletal Conditions in the 1990s
1980-1985	Back Pain Committee
1980-1985	Chiropractor Committee
	<u>Swedish Insurance Industry</u>
1980-1985	Workers Compensation Insurance Committee
	<u>Swedish Work Environment Fund</u>
1973-1976	Secretary, Spine Committee

United States

	<u>American Academy of Orthopaedic Surgeons</u>
1986 -1991	Disability Evaluation Committee, Consultant
1989 -1992	Subcommittee on Adult Spine Evaluation
1995 -1999	Committee on Occupational Health
1999 - 2005	Committee on Occupational Health (Consultant)
1999 - 2007	Committee on Research (Chair 2004 – 2007)
1998 - 2002	NORA Representative
2000 - 2008	Council on Research
2006 – 2008	Oversight Board, Burden of Musculoskeletal Diseases in the US

1994-1996 2004-2005	<u>American Orthopaedic Association</u> OA - Zimmer Award Committee Finance Committee
2004 – 2006 2006 – 2007 Compensation	<u>Institute of Medicine</u> Committee on Social Security Disability Committee on Medical Evaluation of Veterans for Disability
1990-1993	<u>National Institutes of Health</u> Orthopaedic and Musculoskeletal Study Section Invited Speaker – NIH/AAOS - Low Back Pain Workshops 1980, 1988, 1995 Invited Speaker – NIH/AAOS - Aging of Soft Tissue Workshop 1992 Invited Speaker – NIH/AAOS - Cumulative Trauma Disorder Workshop 1994 Chair – NIH/AAOS – Degenerative Disc Disease Workshop 2005
2000-2004	<u>National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)</u> Advisory Council Member
1990-present	<u>National Safety Council</u> Accredited Standards Committee Member - Control of Cumulative Trauma Disorders (ANSI Z-365)
1996-2002	<u>Academic Orthopaedic Society</u> Residency Selection Committee
1998-1999	<u>National Research Council</u> (National Academy of Science) Steering Committee for the Workshop on Work Related Musculoskeletal Injuries: The Research Base
1992 -1995 1992 -1993 1996 -1997 1996 - 2000 1999	<u>North American Spine Society</u> Chairman, Affiliate Membership Committee Outcomes Committee Chairman, Scientific Research Committee Chairman, Research Planning Committee Local Host, Annual Meeting, Chicago, Illinois
1987 - 1988 1992 - 1994 1995 - 1998 1996 - 1997 1998 1999 2000 2001-2003 2006 – present	<u>Orthopaedic Research Society</u> Program Committee Treasurer Program Committee Poster Chairman Program Chairman President Elect President Past President Advocacy Committee
1999-present	<u>American Academy of Disability Evaluating Physicians</u> Director
	<u>Orthopaedic Research and Education Foundation</u>

1989-1998	Medical Board
1994 - 2004	OREF / AAOS Clinical Research Training Fellowship
2004 - Present	Zimmer Career Development Award
	<u>Rush University Medical Center, Chicago, IL</u>
1994 - 2006	Board Member, Rush Physicians Hospital Organization
2004 - 2006	Secretary, Rush Physicians Hospital Organization
2006 -	Finance Committee Rush PHO
1991 - 1994	Board Member, Rush Medical Associates
1985 - 1994	Chairman, Advisory Committee, Department of Orthopedic Surgery
1990 - 1993	Committee on Student Evaluation and Promotions
1995 - 2008	Council of Surgical Chairman
1995 - 2008	Departmental Review Committee
1995 - 2000	Geriatric Committee
1995 - 2005	Medical Affairs Management Committee
2005 - 2008	Dean's Committee
1995 - 1996	Search Committee Chair of Pharmacology (Chairman)
1996 - 2000	Rush Health Partners, Inc. (Board Member)
1996 - 2000	Marketing Committee
1996 - 1997	Medical Service Plan Design Team
1996 - 2006	Surgical Hospital Executive Committee
1997 - 2000	Faculty Council
1997 - 2004	Process Improvement Oversight Committee (Co-Chair 2002-2004)
1997 - 2000	Rush 2000 Physician Advisory Committee (Co-Chairman)
1997 - 1998	Medical Staff Executive Committee
1999 - 2005	Medical Staff Executive Committee
1999	Search Committee, Pathology (Chairman)
1999 - 2005	Liaison Committee
1999 - 2005	Medical Staff Executive Committee
1999	McKinsey Study Committee
1999 - 2001	President Elect, Medical Staff RUMC
2001 - 2003	President, Medical Staff
2000 - 2002	Search Committee, Biochemistry (Chairman)
2000	Long Term Planning Committee, Board of Trustees
2001	Search Committee Cardiovascular Surgery
2001	Search Committee, CEO Rush-Presbyterian-St. Luke's Medical Center
2001 - 2005	Trustee, Rush University Medical Center
2002	Search Committee, Dean, Rush University Medical Center
2008	Scientific Leadership Council (Head Regulatory Knowledge and Support Core)
	<u>Veterans Administration</u>
1992 - 2001	Merit Review Board for Rehabilitation Research and Development Service
	<u>NCQA</u>
2005 - 2007	Spine Care Recognition Program Advisory Committee
	<u>United Health Care</u>
2004 -	National Musculoskeletal Advisory Board
	<u>ISSLS (International Society for the Study of the Lumbar Spine)</u>

2002 – present The ISSLS Prize Papers Committee (Chairman)

2002 – 2004 University Health System Consortium
Representative

TEACHING ASSIGNMENTS/PERSONALLY ORGANIZED COURSES AND SYMPOSIA

1993 Academic Orthopaedic Society
Moderator - Symposium on Methods of Clinical Research

1982 Göteborg Medical Association
Symposium Organizer - Back Injuries at Work

1982 Göteborg, University
Course Chairman, The PCA Knee Prosthesis System

1980 International Society of Electrophysiological Kinesiology
Symposium Moderator

1978 International Society for the Study of the Lumbar Spine
Symposium on Low Back Pain in Industry (Moderator)
Organizing Committee - Annual Meeting
Program Committee - Annual Meeting

1981 Symposium on Biomechanics of Posterior Elements (Moderator)

1990 Organizing Committee - 1st International Course on Low Back Pain

1991 Organizing Committee - 2nd International Course on Low Back Pain

1992 Organizing Committee - 3rd International Course on Low Back Pain

1992 Chairman, Nineteenth Annual Meeting

1992 Program Committee, Nineteenth Annual Meeting

1992 - 2002 Instructional Course Committee

1998 - 1999 American Academy of Orthopaedic Surgeons
Chairman: Practical Strategies in Spine Surgery

2005 Chairman: Disc Degeneration Workshop (with NIAMS)

1984 Occupational Low Back Pain Courses
Chairman, Stockholm, Sweden

1985 Chairman, Chicago, IL

1991 Chairman, Chicago, IL

1992 Chairman, Dallas, TX

1994 Chairman, Atlanta, GA

1996 Co-Chairman, Low Back Pain: Prevention, Control and Treatment,
St. Louis, Missouri

1980 - 1981 Scandinavian Group for Studies of Musculo-Skeletal Disorders
Organizing Committee - Musculo-Skeletal Disorders Nordic Symposium

1994 Steerable Endoscopic Discectomy
Chairman, Workshop, Chicago, IL

1977 - 1978 Swedish Department of Health
Organizing Committee, Manual Medicine, Therapy and Manipulation

1978 - 1981	Course Chairman, Biomechanics for Orthopaedic Residents
1981 - 1982	Course Chairman, Biomechanics and Pathophysiology (OR)
1981	Course Chairman, Back Pain for Orthopaedic Residents
1982	<u>Swedish Medical Association</u> Course Chairman, The Exeter Hip System
1980	<u>Swedish Orthopaedic Association</u> Symposium Organizer - Occupational Orthopaedic Surgery
1976	<u>Swedish Physical Therapy Association</u> Symposium Organizer - Low Back Pain
1979	<u>Swedish and Scandinavian Orthopaedic Association</u> Course Chairman, Biomechanics of Joints and Joint Implants
2000	<u>North American Spine Society</u> Symposium Director: Treatment Indications for Low Back Pain
1977	<u>Swedish Work Environment Fund</u> Course Chairman, Low Back Pain In Industry
1982	Section Chairman, Neck School, Back School Seminar
2005	<u>AAOS / NIH / ORS</u> Workshop on Intervertebral Disc Degeneration Organizing Committee Chair

JOURNAL EDITORIAL BOARD MEMBER

<u>American Journal of Neuroradiology</u> , Special Consultant to the Editor	1990 - 2000
<u>AMA Guides Newsletter</u> , Editorial Board	1997 - present
<u>Clinical Biomechanics</u> , Associate Editor	1998 - present
<u>Journal of Back and Musculoskeletal Rehabilitation</u> , Editorial Board	1986 - present
<u>Journal of Biomechanics</u> , Editorial Consultant	1989 - 2003
<u>Journal of Electromyography and Kinesiology</u> , Advisory Board	1990 - present
<u>Journal of Occupational Rehabilitation</u> , Editorial Board	1990 - present
<u>Journal of Orthopaedic Research</u> , Board of Associate Editors	1982 - 1986
<u>Scandinavian Journal of Rehabilitation Medicine</u>	1975 - 1985
<u>Spine</u> Editorial Board	1978 - 1993
Deputy Editor	1993 - present
<u>The Back Letter</u> , Editorial Board	1986 - 1993
<u>The Bone and Joint Letter</u> , Editorial Board	1994 - present
<u>Journal of Rehabilitation Research and Development</u> , Editorial Board	1994 - present

<u>Journal of The Clinical Orthopaedic Society</u> , Editorial Board	1994 - present
<u>Journal of Musculoskeletal Research</u> , Editorial Board	1997 - present
<u>Journal of Prosthetics and Orthotics</u> , Editorial Board	1997 - present
<u>Occupational Orthopaedics</u> , Editorial Board	1997 - present
<u>Contemporary Spine Surgery</u> , Editor-in-Chief	1998 - present
<u>Orthopaedics Today</u> , Editorial Board (Section Editor Basic Science & Research 2007 – present)	2003 - present
<u>1000 Medicine</u> , Section Head	2003 - present
<u>Nature Clinical Practice Rheumatology</u> , Advisory Board	2007 – present
<u>Spinal News International</u> , Editorial Board	2006 - present
<u>Neuroepidemiology</u> , Editorial Board	2007 – present

JOURNAL REVIEWER

<u>Acta Orthopaedica Scandinavica</u> , Reviewer	1975 - 1987
<u>Ergonomics</u> , Reviewer	1980 - present
<u>Journal of Orthopaedic Research</u> , Reviewer	1986 - present
<u>Journal of the American Medical Association, JAMA</u> , Reviewer	1997 - present
<u>Journal of Orthopaedic and Sports Physical Therapy</u> , Reviewer	1997 - present
<u>The New England Journal of Medicine</u> , Reviewer	1998 - present

ORIGINAL PAPERS

1. **Andersson GBJ** and Moller-Nielsen J. Results after Arthroplasty of the Hip with Moore's Prosthesis. *Acta Orthop. Scand.* 43:397-410, 1972.
2. **Andersson GBJ**, Freeman MAR and Swanson SAV. Loosening of the Cemented Acetabular Cup in Total Hip Replacement. *J. Bone Joint Surg. (B)* 54:590-599, 1972.
3. **Andersson GBJ**. Hip Assessment: A Comparison Between Nine Different Methods. *J. Bone Joint Surg. (B)* 53:621-625, 1972.
4. **Andersson GBJ**. Technique and Level of Amputation on the Leg. *Svensk Lakartidn.* 70:609-613, 1973 (In Swedish).
5. Goldie IF, **Andersson GBJ** and Olsson S. Long-Term Follow-Up of Intertrochanteric Osteotomy in Osteoarthritis in the Hip Joint. *Clin. Orthop.* 93:265-270, 1973.
6. **Andersson GBJ** and Ortengren R. Myoelectric Back Muscle Activity During Sitting. *Scan. J. Rehabil. Med. Suppl.* 3:73-90, 1974.
7. **Andersson GBJ**, Jonsson B and Ortengren R. Myoelectric Activity in Individual Lumbar Erector Spinae Muscles in Sitting. A Study with Surface and Wire Electrodes. *Scan. J. Rehabil. Med. Suppl.* 3:91-108, 1974.
8. **Andersson GBJ**, Ortengren R, Nachemson A and Elfstrom G. Lumbar Disc Pressure and Myoelectric Back Muscle Activity During Sitting. I. Studies on an Experimental Chair. *Scand. J. Rehabil. Med.* 6:104-114, 1974.
9. **Andersson GBJ** and Ortengren R. Lumbar Disc Pressure and Myoelectric Back Muscle Activity During Sitting. II. Studies on an Office Chair. *Scan. J. Rehabil. Med.* 6:115-121, 1974.
10. **Andersson GBJ** and Ortengren R. Lumbar Disc Pressure and Myoelectric Back Muscle Activity During Sitting. III. Studies on a Wheelchair. *Scan. J. Rehabil. Med.* 6:121-127, 1974.
11. **Andersson GBJ**, Ortengren R, Nachemson A and Elfstrom G. Lumbar Disc Pressure and Myoelectric Back Muscle Activity During Sitting. IV. Studies on a Driver's Seat. *Scan. J. Rehabil. Med.* 6:128-133, 1974.
12. **Andersson GBJ**, Broman H, Magnusson R, Petersen I, and Ortengren R. Vocational Electromyography: Investigation of Power Spectrum Response to Repeated Test Loadings During a Day of Work at the Assembly Line. In *Biomechanics 4* (ed. R.C. Nelson and C.A. Morehouse). Baltimore, Univ. Park Press, 1974, p.338-347.
13. **Andersson GBJ**, Jessop J, Freeman MAR and Mason RM. McIntosh Arthroplasty in Rheumatoid Arthritis. *Acta Orthop. Scand.* 45:245-259, 1974.
14. Ortengren R, **Andersson GBJ**, Broman H, Magnusson R and Petersen I. Vocational Electromyography: Studies of Localized Muscle Fatigue at the Assembly Line. *Ergonomics* 18:157-174, 1975.

15. **Andersson GBJ**, Ortengren R, Nachemson A, Elfstrom G and Broman H. The Sitting Posture: An Electromyographic and Discometric Study. *Orthop. Clin. North Am.* 6:105-120, 1975.
16. **Andersson GBJ**. Low Back Pain Trouble During Working Life. *Svensk Lakartidningen* 73:1305-1307, 1976 (In Swedish).
17. **Andersson GBJ**, Herberts P and Ortengren R. Myoelectric Back Muscle Activity in Standardized Lifting Postures. In *Biomechanics 5A*. (ed. P.V. Komi.) Baltimore, Univ. Park Press, p.520-529, 1976.
18. **Andersson GBJ**, Ortengren R and Nachemson A. Quantitative Studies of Back Loads in Lifting. *Spine* 1:178-185, 1976.
19. **Andersson GBJ**, Bjorntess T, Herberts P and Goldie IF. Reconstruction of Degenerative Arthritis of the Knee Using Total Knee Joint Arthroplasty. *Lakartidningen*, 74:127-131, 1977 (In Swedish).
20. **Andersson GBJ**, Ortengren R and Herberts P. Quantitative Electromyographic Studies of Back Muscle Activity Related to Posture and Loading. *Orthop. Clin. North Am.* 8:85-96, 1977.
21. Ortengren R and **Andersson GBJ**. Electromyographic Studies of Trunk Muscles with Special Reference to the Lumbar Spine. *Spine* 2:44-52, 1977.
22. Berkson M, Schultz A., Nachemson A and **Andersson GBJ**. Voluntary Strengths of Male Adults with Acute Low Back Syndromes. *Clin. Orthop.* 129:84-95, 1977.
23. Gaechter A, Alroy J, **Andersson GBJ**, Galante J, Rostoker W and Schajowitz F. Metal Carcinogenesis: A Study of the Carcinogenic Activity of Solid Metal Alloys in Rats. *J. Bone Joint Surg.* 59A:622-624, 1977.
24. **Andersson GBJ**, Ortengren R and Nachemson A. Intradiscal Pressure, Intra-Abdominal Pressure and Myoelectric Back Muscle Activity Related to Posture and Loading. *Clin. Orthop.* 129:156-164, 1977.
25. Larsson U and **Andersson GBJ**. Partial Amputation of Foot for Diabetic or Arterio-Sclerotic Gangrene. Results and Factors of Prognostic Value. *J. Bone Joint Surg.* 60B:126-130, 1978.
26. **Andersson GBJ**, Gaechter A, Galante JO and Rostoker W. Segmental Replacement of Long Bones in Baboons Using a Fiber Titanium Implant. *J. Bone Joint Surg.* 60A:31-40, 1978.
27. Ortengren R, **Andersson GBJ** and Nachemson A. Lumbar Back Loads in Fixed Spinal Postures During Flexion and Rotation. In *Biomechanics VI* (ed. E. Asmussen and K. Jorgensen). Baltimore, Univ. Park Press, p.159-166, 1978.

28. Dehlin O, Berg S, Hedenrud B, **Andersson GBJ** and Grimby G. Muscle Training, Psychological Perception of Work and Low Back Symptoms in Nursing Aides. *Scand. J. Rehab. Med.* 4:201-209, 1978.
29. **Andersson GBJ**, Ortengren R and Nachemson A. Quantitative Studies of the Load on the Back in Different Working Postures. *Scand. J. Rehab. Med. Suppl.* 6:173-181, 1978.
30. **Andersson GBJ**, Patel M and Ulfberg E. Occupational Injuries to the Spine. *Lakartidningen* 75:4865-4866, 1978 (In Swedish).
31. **Andersson GBJ**. Low Back Pain in Industry: Epidemiological Aspects. *Scand. J. Rehab. Med.* 11:163-168, 1979.
32. Roaas A, **Andersson GBJ** and Irstam L. Are Knee Injuries Common in Soccer? *Lakartidningen* 76:616-618, 1979 (In Swedish).
33. **Andersson GBJ**, Murphy RW, Ortengren R and Nachemson AL. The Influence of Backrest Inclination and Lumbar Support on the Lumbar Lordosis in Sitting. *Spine* 4:52-58, 1979.
34. **Andersson GBJ** and Schultz AB. Effects of Fluid Injection on Mechanical Properties of Intervertebral Discs. *J. Biomech.* 12:453-458, 1979.
35. **Andersson GBJ** and Schultz AB. Transmission of Moments Across the Elbow Joint and the Lumbar Spine. *J. Biomech.* 12:747-755, 1979.
36. Zetterberg C, Irstam L and **Andersson GBJ**. Subcapital Fractures of the Femur. Reoperations with Internal Fixation. *Acta. Orthop. Scand.* 50:451-455, 1979.
37. Andriacchi TP, **Andersson GBJ**, Fermier R, Stern D and Galante JO. A Study of Lower Limb Mechanics During Stair Climbing. *J. Bone Joint Surg.* 62A:749-757, 1980.
38. **Andersson GBJ** and Herberts P. ICLH Total Knee Prosthesis in Patients with Rheumatoid Arthritis. *Lakartidningen* 80:2104-2106, 1980 (In Swedish).
39. **Andersson GBJ**, Ortengren R and Schultz A. Analysis and Measurement of the Loads on the Lumbar Spine During Work at a Table. *J. Biomech.* 13:513-520, 1980.
40. Ahnfeldt L, **Andersson GBJ** and Herberts P. Reoperations of Total Hip Joints in Sweden. *Lakartidningen* 77:2604-2607, 1980 (In Swedish).
41. McNeill T, Warwick D, **Andersson GBJ** and Schultz A. Trunk Strengths in Attempted Flexion, Extension, and Lateral Bending in Healthy Subjects and Patients with Low-Back Disorders. *Spine* 5:529-538, 1980.
42. **Andersson GBJ**, Schultz A, Nathan A and Irstam L. Roentgenographic Measurement of Lumbar Intervertebral Disc Height. *Spine* 6: 154-158, 1981.
43. **Andersson GBJ**, Galante JO and Rostoker W. Segmental Replacement of Long Bones in Baboons: Comparison of Intramedullary Fixation Through Bone Ingrowth and Through Methylmethacrylate. *Arch. Orthop. Traumat. Surg.* 99:47-51, 1981.

44. **Andersson GBJ**, Andriacchi TP and Galante JO. Correlations Between Changes in Gait and in Clinical Status After Knee Arthroplasty. *Acta. Orthop. Scand.* 52:563-573, 1981.
45. Dehlin O, Berg S, **Andersson GBJ** and Grimby G. Effect of Physical Training and Ergonomic Counselling on the Psychological Perception of Work and on the Subjective Assessment of Low Back Insufficiency. *Scand. J. Rehab. Med.* 13:1-9, 1981.
46. Ortengren R, **Andersson GBJ** and Nachemson AL. Studies of Relationships Between Lumbar Disc Pressure, Myoelectric Back Muscle Activity and Intraabdominal (Intragastric) Pressure. *Spine* 6:98-103, 1981.
47. Schultz AB and **Andersson GBJ**. Analysis of Loads on the Lumbar Spine. *Spine* 6:76-82, 1981.
48. Svensson H-O and **Andersson GBJ**. Sickness Absence with Diagnosis of Disease or Injury to the Locomotor System, A Study of Men 40-47 Years Old. *Lakartidningen* 78:2761-2764, 1981 (In Swedish).
49. **Andersson GBJ**. Epidemiological Aspects on Low Back Pain in Industry. *Spine* 6:53-60, 1981.
50. **Andersson GBJ**, et al. Back Injuries to the Lumbar and Dorsal Spine. An Attempt to Define the Work Injury Level. *Lakartidningen* 78:2765-2767, 1981 (In Swedish).
51. **Andersson GBJ**, Lereim P, Galante JO and Rostoker W. Studies of Bone Transplants with Different Physical Properties. *Acta. Orthop. Scand.* 53:345-354, 1982.
52. Schultz AB, **Andersson GBJ**, Ortengren R, Nachemson A and Haderspeck K. Loads on the Lumbar Spine: Validation of a Biomechanical Analysis by Measurements of Intradiscal Pressures and Myoelectric Signals. *J. Bone Jt. Surg.* 64A:713-720, 1982.
53. Schultz AB, **Andersson GBJ**, Ortengren R, Bjork R and Nordin M. Analysis and Quantitative Myoelectric Measurements of Loads on the Lumbar Spine When Holding Weights in Standing Postures. *Spine* 7:390-397, 1982.
54. Roaas A and **Andersson GBJ**. Normal Range of Motion of the Hip, Knee and Ankle Joints in Male Subjects, 30-40 Years of Age. *Acta. Orthop. Scand.* 53:205-208, 1982.
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ABSTRACTS: (430 available upon request).

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ABSTRACTS

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