

Rev 07/22/09

Duke University Medical Center

Curriculum Vitae Elements

Part I.

NAME: David Simms Ruch, M.D.

CURRENT ACADEMIC TITLE: Professor

ADDRESS:

BUSINESS: Duke University Medical Center
Box 3466
Durham, NC 27710
(919) 668-5259

EDUCATION:

1980 - 1984 Duke University
Durham, North Carolina
B.A. (British Literature)
Cum Laude

1984 - 1988 Bowman Gray School of Medicine of
Wake Forest University
Winston-Salem, North Carolina
M.D., Alpha Omega Alpha

POSTDOCTORAL TRAINING:

- | | |
|-------------|--|
| 1988 - 1989 | Intern, General Surgery
Department of Surgery
Wake Forest University Baptist Medical Center
Winston-Salem, North Carolina
Gary G. Poehling, MD |
| 1989 - 1992 | Resident, Orthopaedic Surgery
Department of Orthopaedic Surgery
Wake Forest University Baptist Medical Center
Winston-Salem, North Carolina
Gary G. Poehling, MD |
| 1992 - 1993 | Chief Resident, Orthopaedic Surgery
Department of Orthopaedic Surgery
Wake Forest University Baptist Medical Center
Winston-Salem, North Carolina
Gary G. Poehling, MD |
| 1993 - 1994 | Fellowship, Hand and Microvascular Surgery
Department of Orthopaedic Surgery
Duke University Medical Center
Durham, North Carolina
James R. Urbaniak, MD |

PROFESSIONAL LICENSURE:

- | | |
|------|-------------------------------|
| 1990 | North Carolina License #39676 |
|------|-------------------------------|

SPECIALTY CERTIFICATION:

- | | |
|------|--|
| 1996 | Diplomate of the American Board of Orthopaedic Surgery |
| 1997 | Certificate of Added Qualifications in Surgery of the Hand |

EMPLOYMENT:

ACADEMIC EXPERIENCE:

- | | |
|----------------|--|
| 2008 – Present | Vice Chairman, Department of Orthopaedic Surgery
Duke University Medical Center
Durham, NC 27710 |
|----------------|--|

EMPLOYMENT:

July 2005 - Present
Professor, Department of Orthopaedic Surgery
Director, Hand, Upper Extremity and Microvascular Surgery
Fellowship Program
Duke University Medical Center
Durham, NC 27710

July 2004 - June 2005
Professor
Department of Orthopaedic Surgery
Wake Forest University School of Medicine
Winston-Salem, North Carolina

July 1999 - July 2004
Associate Professor
Department of Orthopaedic Surgery
Wake Forest University School of Medicine
Winston-Salem, North Carolina

July 1996 - June 2005
Co-Director
Hand Surgery Fellowship
Wake Forest University School of Medicine

July 1994 - June 1999
Assistant Professor
Department of Orthopaedic Surgery
Wake Forest University School of Medicine
Winston-Salem, North Carolina

PROFESSIONAL EXPERIENCE:

December 2001 – 2009
Consultant
Orthofix, Inc.

March 1996 - 1/31/2004
Staff
Stokes-Reynolds Memorial Hospital, Inc
Danbury, North Carolina

September 1995 - July 2005
Staff
Hoots Memorial Hospital
Yadkinville, North Carolina

July 1994 - July 2005
Staff
North Carolina Baptist Hospital
Winston-Salem, North Carolina

OTHER PROFESSIONAL APPOINTMENTS AND INSTITUTIONAL SERVICE:

EDITORIAL WORK:

- 1994 - Present Reviewer for *Arthroscopy: The Journal of Arthroscopic & Related Surgery*
- 1996 - Present Reviewer for *Journal of the Southern Orthopaedic Association*
- 2000 - Present Contributing Editor for *Advanced Arthroscopy*
- 2000 - Present Editorial Board:
Journal of the American Society for Surgery of the Hand
- 2000 Contributing author & Section Leader
3rd Edition of *Hand Surgery Update*
American Society for Surgery of the Hand
- 2001 - Present Editorial Board Member for *Journal of Orthopaedic Trauma*
- 2002 - Present Reviewer for *Journal of Hand Surgery*
- 2003 Guest Editor, *Atlas of Hand Clinics*
- 2003 - Present Associate Editor, *ASSH Online Review*
- 2006 – Present Consultant, Durham Veterans Administration Medical Center
- 2008 Associate Editor, *Journal of Hand Surgery*
- Committees:
- 1993 - 1994 Institutional Committee for Graduate Medical Education
Duke University Medical Center
- 1996 - 2005 Operating Room Committee
North Carolina Baptist Hospital
- 1997 - 2005 Medicare Compliance Committee
North Carolina Baptist Hospital
- 1999 - 2005 LCME Self-Study Task Force
Governance/Administration Sub-Committee
Wake Forest University School of Medicine

OTHER PROFESSIONAL APPOINTMENTS AND INSTITUTIONAL SERVICE:

1999 - 2005	Dean's Advisory Committee Wake Forest University School of Medicine
2000	OR Efficiency Committee Wake Forest University School of Medicine
2000	Patient Care Website Committee Wake Forest University School of Medicine
2000 – 2005	Wake Forest University Physician's Council Wake Forest University School of Medicine
2001 - 2005	Finance Committee Department of Orthopaedic Surgery Wake Forest University School of Medicine
2001 – 2005	OPD Subcommittee Wake Forest University School of Medicine
2001 - 2004	Medical Informatics Technology Committee Wake Forest University School of Medicine
2001 – 2005	Faculty Award Committee Department of Orthopaedic Surgery Wake Forest University School of Medicine
2001 - 2002	Resident Selection Committee Department of Orthopaedic Surgery Wake Forest University School of Medicine
2002 – 2005	Commission Allocation Committee Wake Forest University Physicians Wake Forest University Baptist Medical Center
2003 – 2005	Business Operations Committee Wake Forest University Physicians Wake Forest University Baptist Medical Center
2006 – Present	Orthopaedic Executive Committee Duke University Medical Center
2007 – Present	Clinical Operations and Finance Committee Duke University Medical Center

VISITING FACULTY

APPOINTMENTS:

January 2002	University of North Carolina at Chapel Hill Grand Rounds
February 2002	University of British Columbia Grand Rounds
November 2002	Washington University School of Medicine Grand Rounds
February 2003	Allegheny General Hospital Grand Rounds
October 2005	University of Cincinnati Grand Rounds
June 2007	Brown University Grand Rounds
September 2007	Allegheny General Hospital Grand Rounds
May 2008	Hospital for Special Surgery Lee Ramsay Straub Lectureship
January 2009	The Philadelphia Hand Center Midwinter Meeting

PROFESSIONAL MEMBERSHIPS:

1993 - Present	American Academy of Orthopaedic Surgery Fellow (since 1998) Member at Large (2000) Leadership Fellows Program Oversight Task Force (2002) Committee on CME Courses (2003)
1994 - 2005	Bowman Gray Orthopaedic Alumna
1994 - 2003	Southern Medical Association
1995 - Present	American Medical Association
1996 - Present	American Board of Orthopaedic Surgeons
1996 - Present	Duke Hand Club
1996 - Present	Piedmont Orthopaedic Society
1996 - 2004	Southern Orthopaedic Association
1996 - 2003	North Carolina Medical Society
1996 - 2002	Eastern Orthopaedic Association
1996 - 2003	Forsyth-Stokes-Davie County Medical Society
1996 - Present	Arthroscopy Association of North America
2005 - Present	Learning Center Committee
1997 - Present	Southeastern Hand Club Vice President, 2006 President, 2008
1997 - Present	International Wrist Investigator's Workshop
1997 - Present	Orthopaedic Trauma Association, Associate Member Coding, Classification & Outcome Committee (2001 – Present) Program Committee (2006) Annual Meeting Program Committee (2008)
1998 - 2002	American Society for Reconstructive Microsurgery
1998 - Present	AO Alumni Association AO/ASIF: Association for the Study of Internal Fixation

PROFESSIONAL MEMBERSHIPS:

1998 - 2003	American Association for Hand Surgery
1998 - 2002	American Society for Reconstructive Microsurgery Membership Committee
1998 - Present	North Carolina Orthopaedic Association Vice-President Program Chairman 2000
1999 - Present	American Society for Surgery of the Hand Nominating Committee (2001 – Present) Residents and Fellows Program Committee (2001-2003) Residents and Fellows Program Vice-Chair (2003-2004) Residents and Fellows Program Chair (2004-2005) Annual Program Committee (2002-2003) Crucial Elements of Hand Surgery DVD Committee (2003) Courses and Meetings Advisory Committee (2005-2008) Annual Meeting Committee (2007-2010) Program Chairman (2009) Expanding Hand Surgery Task Force (2009)
1999 - Present	North Carolina Society for Surgery of the Hand Charter Member Treasurer (2004-2005)
1999 - 2002	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS) Arthroscopy Committee (1999-2001)
2001 - Present	New Millenium Hand Club
2002 - Present	American Orthopaedic Association Mentoring Committee (2003 to present) Emerging Leaders Committee (2005) Secretary Elect (2009)
2006	Greek Association of Arthroscopy (honorary member)
2007 – 2010	American Orthopaedic Association ABC Fellowship Committee
2007	American Shoulder and Elbow Surgeons

HONORS AND AWARDS:

- 1985 March of Dimes Fellowship for work in genetics at
Georgetown University Medical Center and Duke University
- 1988 Alpha Omega Alpha
Bowman Gray School of Medicine
- 1997 Master Instructor
Arthroscopy Association of North America
- 1997 Faculty Teaching Award
Department of Orthopaedic Surgery
Bowman Gray School of Medicine
Wake Forest University
- 1998 Master Instructor
Arthroscopy Association of North America
- 2001 ABC Traveling Fellowship Award
American Orthopaedic Association
- 2002 Leadership Fellows Program
American Academy of Orthopaedic Surgeons

RESEARCH INTERESTS:

- 1982 - 1984 Quantitative evaluation of alpha-1 adrenergic receptors in human
fibroblasts
Department of Physiology
Duke University School of Medicine
- 1985 Qualification of human kinetochore protein.
Department of Genetics and Amniocentesis
Georgetown University Medical Center
- 1987 Characterization of plasma fibronectin binding to orthopaedic
biomaterials.
Wake Forest School of Medicine
- 1990 - 1992 Post traumatic osteoarthritis in the rabbit knee
Grant funded by A.O. International.
Wake Forest School of Medicine
- 1994 Axon quantification following centro central anastomosis
Duke University Medical Center

RESEARCH INTERESTS:

1994	The effect of autologous versus autogenous vein wrapping in the rat sciatic nerve. Duke University Medical Center
1995	Axon quantification in human palms
1996	The role of primary and secondary ligamentous constraints in wrist instability
1997	Nerve recovery following peripheral nerve transection and repair
1998	Open reduction internal fixation versus external fixation in the management of distal radius fractures
1998 – Present	Fractures, dislocations, and instability in the upper extremity and the effect on health-related quality of life
Current	Cost analysis of various types of fixation for distal radius fractures

**GRANTS:
CURRENT AND PENDING**

2007	Nerve Conduit Enhancement with Vomeronasal Organs in a Rat Sciatic Nerve Model; Orthopaedic Research and Education Foundation \$5,000 Principal Investigators: William C. Eward, M.D., D.V.M. and David S. Ruch, M.D.
2006	MRI Identification of the Anatomy of the Lateral Epicondyle; Piedmont Orthopedic Foundation \$15,000 Principal Investigator: David S. Ruch, M.D.
2005	Comparing TFCC to Ulnar Shortening Osteotomy; Orthopaedic Research and Education Foundation \$146,101 Principal Investigator: David S. Ruch, M.D.
2005	Arthroscopic Repair vs. Ulnar Shortening Osteotomy for the Management of Peripheral Avulsions of the Triangular Fibrocartilage Complex (TFCC) - A Prospective Randomized Multi-Center Clinical Trial Principal Investigator: David Ruch, MD \$150,000

**GRANTS:
CURRENT AND PENDING**

- 2004 A Multi-Center Prospective Randomized Comparison of Locking Plates to External Fixation in Distal Radius Fractures
Synthes, USA
\$100,000
Principal Investigator: David S. Ruch, M.D.
- 2002 The Effects of Timing on Delayed Nerve Repair on Nicotinic Acetylcholine Receptor Subunit Expression in Skeletal Muscle: A Pilot Study in Rats.
Non-Funded
Principal Investigator: David S. Ruch, M.D.
- 2001 Laura Scales Medical Student Research Fund - Medical Student Grant for research on "The effect of the volar component of the distal radius on distal radioulnar joint instability" (Kevin Kuzma and Jonathan Yoder, MSI)
\$4125
- 2001 The Effects of Timing of Delayed Nerve Repair on Nicotinic Acetylcholine Receptor Subunit Expression in Skeletal Muscle.
Non-Funded
Principal Investigator: Jianjun Ma, M.D.
- 1999 - Present Arthroscopic Versus Open Management of Lateral Epicondylitis
American Society for Surgery of the Hand
Principal Investigator: David S. Ruch, M.D.
Co-Investigator: Beth Smith, PhD
\$19,357
- 2001 The Use of Zimmer Palm Pump System to Manage Post-op Pain Associated with Distal Radius Fractures.
Zimmer
Principal Investigator: L. Andrew Koman, M.D.
\$68,000
- 2001 Use of Articulating Fixators to Facilitate End-to-End Nerve Repair Evaluation of Functional and Histological Outcomes.
Non-Funded
Principal Investigator: Jason Castle, M.D.
- 2001 Use of Articulating Fixators to Facilitate End-to-End Nerve Repair.
Orthofix
Principal Investigator: David S. Ruch, M.D.
\$37,912

**GRANTS:
CURRENT AND PENDING**

- 2001 to 2002 Articulated External Fixation to Assist Primary Neurorrhapy Versus Grafting to Make Defects in Peripheral Nerves.
Orthofix
Principal Investigator: David S. Ruch, MD
\$37,912
- 2000 The Role of Supination in Reduction of the Distal Radioulnar Joint Following Intraarticular Distal Radius Fractures.
Orthofix
Principal Investigator: David S. Ruch, MD
\$6,561
- 2000 Open Reduction Internal Fixation Versus External Fixation in the Management of the Ulnar Styloid Injury Associated with Wrist Fractures.
Orthofix, Inc.
Principal Investigator: David S. Ruch, M.D.
\$15,000
- 1999 A Randomized Clinical Trial to Compare ORIF of Ulnarstyloid Fracture with Orthofix External Fixation in Supination in Type C-3 Distal Radius Fractures.
Orthofix, Inc.
Principal Investigator: David S. Ruch, MD
\$6,302

PAST GRANT HISTORY

- 1998 Arthroscopic Versus Open Treatment of Lateral Epicondylitis: A Prospective Randomized Study
American Society for Surgery of the Hand
Principal Investigator: David S. Ruch, M.D.
\$25,000
- 1998 Effect of Traction on Complications Associated with Hip Arthroscopy.
Arthroscopy Association of North America
Principal Investigator: David S. Ruch, M.D.
\$10,000
- 1997 A Comparison of External Fixation and Open Reduction Internal Fixation in the Treatment of Displaced Complex Articular Fractures of the Distal Radius.
Non-funded.
Principal Investigator: David S. Ruch, M.D.

GRANTS:

PAST GRANT HISTORY

- 1997 - 1999 Recovery of Thermoregulatory Control Following Peripheral Nerve Injury
American Society for Surgery of the Hand
Principal Investigator: David S. Ruch, M.D.
\$8,000
- 1996 - 2002 Upper Extremity Spasticity in Pediatric Cerebral Palsy Patients: Outcome of Treatment with Botulinum A Toxin.
Orthopaedic Research and Education Foundation
Principal Investigator: L. Andrew Koman, M.D.
Co-Investigator: David S. Ruch, M.D.
\$246,681
- 1996 Recovery of Thermoregulatory Control Following Peripheral Nerve Injury.
Supported by Forsyth Co. United Way and by a Wake Forest School of Med. Venture Grant. (Intramural Research Support Committee)
\$7,500
- 1996 Fixation of Three-part Proximal Humeral Fractures: A Biomechanical Evaluation.
Funded by Acumed, Inc.
Bowman Gray School of Medicine
\$12,060
- 1995 The Role of Primary and Secondary Ligamentous Constraints in Wrist Instability.
Arthroscopy Association of North America
Principal Investigator: David S. Ruch, M.D.
\$5,000
- 1995 Facilitation of Cold-Induced Adrenergic Vaso-Constriction in the Skin by Estrogens/Progesterones
Non-funded
- 1994 Contro-Central Anastomosis for Prevention of Neuroma Formation
Duke University Medical Center
Co-Investigator: David S. Ruch, M.D.
\$18,000

GRANTS:

PAST GRANT HISTORY

- | | |
|------|--|
| 1993 | Allograft Versus Autograft Vein Wrapping of Sciatic Nerves for Prevention of Epineural Scarring.
Duke University Medical Center
Principal Investigator: David S. Ruch, M.D.
\$20,000 |
| 1987 | NIH - Medical Student Grant for Research in Biomaterials
Wake Forest School of Medicine
\$2,000 |
| 1986 | Effect of Embryonic Hypocampus Stem Cells on Nerve Graft Regeneration Following Transection in Rat Sciatic Nerve.
Orthopaedic Research and Education Foundation
Co-Principal Investigator: David S. Ruch, M.D.
\$30,000 |
| 1985 | Rosman Memorial Grant for Research at Georgetown University
Medical Center
\$2,000 |

BIBLIOGRAPHY:

MONOGRAPHS:

Poehling GG, Ruch DS: Arthroscopic Surgery of the Wrist. Department of Orthopaedics, The Bowman Gray School of Medicine of Wake Forest University, 1996.

Poehling GG, Ruch DS: Elbow Arthroscopy. Department of Orthopaedics, The Bowman Gray School of Medicine of Wake Forest University, 1996.

Poehling GG, Ruch DS: Elbow Arthroscopy: Current Concepts. Department of Orthopaedics, Wake Forest University School of Medicine, 2000.

BIBLIOGRAPHY:

BOOKS:

Ruch DS, Guest Ed. Atlas of the Hand Clinics, Vol 9, Issue 1: Disorders of the Lunotriquetal Joint. Philadelphia: W.B. Saunders, 2004.

BOOK CHAPTERS:

Poehling GG, Chabon SJ, Ruch DS. Carpal Instabilities. In: Poehling GG, et al. eds. Arthroscopy of the Wrist and Elbow. New York: Raven Press, 1994:73-80.

BIBLIOGRAPHY:

BOOK CHAPTERS:

Poehling GG, Koman LA, Siegel DB, Ruch DS. Triangular Fibrocartilage Complex: Diagnostic and Operative Arthroscopy. In: Poehling GG, Koman LA, Pope TL, Siegel DB, eds. Arthroscopy of the Wrist and Elbow. New York: Raven Press, 1994:85-96.

Koman LA, Ruch DS, Smith TL, Smith BP, Holden M. Arterial Reconstruction in the Ischemic Hand and Wrist: Effects on Microvascular Physiology. In: Advances in Vascular Imaging and Photoplethysmography. Proceedings of the Sixth International Symposium CNVD >95. Linköping, Sweden, June 16-18, 1995.

Poehling GG, Ekman EF, Ruch DS, Koman LA. Articular Cartilage Lesions of the Wrist. In: Vastamaki M, Vilkki S, Raatikainen T, Viljakka T, eds. Current Trends in Hand Surgery. Proceedings of the 6th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH); July 3-7, 1995, Helsinki. Amsterdam: Elsevier, 1995:13-14. (International congress series; no. 1083).

Poehling GG, Ruch DS, Koman LA. Distal Radial Fractures and Chondromalacia of the Wrist. In: Vastamaki M, Vilkki S, Raatikainen T, Viljakka T, eds. Current trends in Hand Surgery. Proceedings of the 6th Congress of the International Federation of Societies for Surgery of the Hand (IFSSH); 1995 July 3-7; Helsinki. Amsterdam: Elsevier, 1995:145-149. (International congress series; no. 1083).

Poehling GG, Ekman EF, Ruch DS. Elbow Arthroscopy: Introduction and Overview. In: McGinty JB, ed. Operative Arthroscopy, 2nd Edition. Philadelphia: Lippincott-Raven, 1996:821-828.

Ruch DS, Poehling GG. Management of Chondral Lesions, Arthritis, and Synovitis. In: Vastmäki and Roth eds. Arthroscopy of the Upper Extremity. New York: Churchill Livingstone, 1996:233-238.

Ruch DS, Poehling GG. Elbow Arthroscopy: Operative Technique. In: Vastmäki and Roth eds. Arthroscopy of the Upper Extremity. New York: Churchill Livingstone, December 1996:177-186.

Koman LA, Smith TL, Smith BP, Holden MB. Arterial Reconstruction in the Ischemic Hand and Wrist: Effects on Microvascular Physiology. In: Schultz-Ehrenburg U, Blazek V, et al. Advances in Vascular Imaging and Photoplethysmography. Dusseldorf: VDI Verlag, 1996:71-75.

BIBLIOGRAPHY:

BOOK CHAPTERS:

Ruch DS, Poehling GG. Diagnostic Arthroscopy of the Wrist. In: Andrews JR, Timmerman LA, eds. Diagnostic and Operative Arthroscopy. Philadelphia: WB Saunders, 1997:193-198.

Ruch DS, Poehling GG. Operative Arthroscopy of the Wrist. In: Andrews JR, Timmerman LA, eds. Diagnostic and Operative Arthroscopy. Philadelphia: WB Sanders, 1997:199-205.

Ruch DS, Smith TL, Smith BP, Poehling GG, Koman LA. New Methods for the Diagnosis and Treatment of Reflex Sympathetic Dystrophy. In: Saffar P, Amadio PC, Foucher G, eds. Current Practice in Hand Surgery. London: Martin Dunitz Ltd., 1997:331-335.

Sekiya JK, Ruch DS, Hunter DM, Pope Jr TL, Koman LA, Poehling GG, Russell G. The Role of Arthroscopy in the Diagnosis and Staging of Osteonecrosis. In: Urbaniak JR, ed. The Etiology, Diagnosis and Management of Osteonecrosis of the Human Skeleton. New York: Churchill Livingstone, 1997:253-260.

Koman LA, Ruch DS, Harris RP, Homesley D, Hutchings SW, Smith BP. Multicenter Experience with Free Vascularized Fibular Grafts for Osteonecrosis of the Femoral Head: The Bowman Gray Experience. In: Urbaniak JR and Jones JP, eds. Osteonecrosis: Etiology, Diagnosis and Treatment. Rosemont: American Academy of Orthopaedic Surgeons, 1997:335-338.

Fulcher SM, Poehling GG, Ruch DS. Role of Arthroscopic Surgery in Athletic Wrist Injuries. In: Chan KM, Fu F, Maffulli N, Rolf C, Kurosaka M, Liu S, eds. Controversies in Orthopaedic Sports Medicine. Hong Kong: Williams & Wilkins Asia-Pacific Ltd., 1998:425-434.

Ruch DS, Poehling GG. Wrist Arthroscopy: Anatomy and Diagnosis. In: Green DP, ed. Green's Operative Hand Surgery, 4th Edition. New York: Churchill Livingstone, 1999:192-199.

Ruch DS, Poehling GG. Wrist - Ligamentous Instability. In: Green DP, ed. Green's Operative Hand Surgery, 4th Edition. New York: Churchill Livingstone, 1999:200-206.

Poehling GG, Ruch DS. Elbow Arthroscopy: Anatomy and Diagnosis. In: Green DP, ed. Green's Operative Hand Surgery, 4th Edition. New York: Churchill Livingstone, 1999:223-234.

Koman LA, Ruch DS, Smith BP, Smith TL. Vascular Disorders. In: Green DP, Hotchkiss R, Pederson. Green's Operative Hand Surgery, 4th Edition. New York: Churchill Livingstone, 1999:2254-2302.

Koman LA, Evans P, Ruch DS, Smith B. Management of Vascular Disorders in the Upper Extremity. In: Operative Orthopaedics, 3rd Edition. Philadelphia: Lippincott, Williams & Wilkins, 1999.

Evans PJ, Ruch DS. General Aspects of Microvascular Tissue Replantation. In: Gross J, Stern PJ, Fitzgerald R, Kaufer H, Malkani A, eds. Hand and Peripheral Nerve Disorders. London: Mosby, 1999.

BIBLIOGRAPHY:

BOOK CHAPTERS:

Poehling GG, Ruch DS, Koman LA. Triangular Fibrocartilage Complex [Italian]. In: Pederzini L, ed. Minimally Invasive Orthopaedic Surgery-Arthroscopy of the Wrist, Vol. 4 (Italian). Milan: Springer, 1999:39-48.

Ruch DS, Kuzma, GR. Elbow and Forearm: Instability and Arthroscopy. In: Trumble, T, ed. Hand Surgery Update, 3rd Edition. New York: Elsevier, 2003:647-666.

Ruch DS, Weiland AJ, Wolfe SW, Geissler WB, Cohen MS, Jupiter JB. Current Concepts in the Treatment of Distal Radial Fractures. In: Helfet DL, Greene WB, eds. Instructional Course Lectures, Vol. 53. Rosemont: American Academy of Orthopaedic Surgeons 2004: 389-401.

Ruch DS, Papadonikolakis. Elbow Instability. In: Trumble TE, Budoff J, Cornwell R, eds. Core Knowledge in Orthopaedics: Hand, Elbow, and Shoulder. Philadelphia: Mosby, 2005: 510-521.

Ruch DS, Sabesan VJ. Arthroscopic Excision of the Radial Head. In: Yamaguchi K, King GJW, McKee MD, O'Driscoll SW, eds. Advanced Elbow Reconstruction. American Academy of Orthopaedic Surgeons, 2007:43-48.

BIBLIOGRAPHY:

BOOK CHAPTERS (IN PRESS)

Kuzma GR, Ruch DS. Arthroscopic Debridement of Triangular Fibrocartilage Complex Tears. In: Geissler WB, ed. Wrist Arthroscopy. New York: Springer-Verlag.

Ruch DS, Poehling GG. Wrist Arthroscopy: Anatomy and Diagnosis. In: Green DP, Hotchkiss RN, Pederson WC, Wolfe SW, eds. Green's Operative Hand Surgery, 5th Edition. New York: Elsevier.

Ruch DS. Fractures of the Distal Radius and Ulna. In: Bucholz RW, Heckman JD, Court-Brown C, eds. Rockwood and Green's Fractures in Adults, 6th Edition. Philadelphia: Lippincott Williams & Wilkins.

Ruch DS, Rineer CA. Hand. In: Bytowski JR and Moorman CT, eds. Oxford American Handbook of Sports Medicine. New York: Oxford University Press.

Ruch, DS. Arthroscopy – Diagnosis and Operative Management. In: Gelberman RH ed. Master Techniques in Orthopaedic Surgery, The Wrist, 3rd Edition, Philadelphia: Lippincott Williams & Wilkins.

JOURNAL ARTICLES:

Poehling GG, Ruch DS, Chabon SJ. Landscape of Meniscal Injuries. Clin Sports Medicine 1990; 9(3):539-549.

Ruch DS, Poehling GG. Arthroscopic Treatment of Panner's Disease. Clin Sports Med 1991; 10(3):629-636.

Koman LA, Ruch DS, Smith BP, Pollock FE Jr, Poehling GG. Reflex Sympathetic Dystrophy After Wrist Surgery. Problems in Plastic and Reconstructive Surgery 1992; 2:300-321.

Ruch DS, Poehling GG, Chabon SJ. The Role of Arthroscopy in the Treatment of Scapholunate Dissociation. Techniques in Orthopaedics 1992; 7(1):42-48.

Monu JU, Ardans TM, Pope TL, Ruch DS, Martin DF, Curl WW. MRI Evaluation of the Coracoacromial Ligament. J South Orthop 1992 ;1(5):235-240.

Ruch DS, Siegel DB, Chabon SJ, Koman LA, Poehling GG. The Arthroscopic Categorization of Intercarpal Ligamentous Injuries of the Wrist. Orthopaedics 1993; 16(9):1051-1056.

Ruch DS, Siegel DB, Chabon SJ, Koman LA, Poehling GG. The Arthroscopic Categorization of Intercarpal Ligamentous Injuries of the Wrist. Yearbook in Hand Surgery 1994; 15:1051-56.

Ruch DS, Friedman A, Nunley JA. The Restoration of Elbow Flexion with Intercostal Nerve Transfers. Clin Orthop Relat Res 1995; 314:95-103.

Ruch DS, Poehling GG. The Arthroscopic Management of Partial Scapholunate and Lunotriquetral Injuries of the Wrist. J Hand Surg 1996; 21A(3):412-417.

Ruch DS, Spinner RM, Koman LA, Challa VR, O'Farrell D, Levin LS. The Histologic Effects of Barrier Vein Wrapping of Peripheral Nerves. J Reconstr Microsurg 1996; 12(5):291.

Ruch DS, Poehling GG. Endoscopic Carpal Tunnel Release: The Agee Technique. Hand Clin 1996; 12(2):299-303.

Hunter DM, Ruch DS. Hip Arthroscopy. J South Orthop Assoc 1996; 5(4):243-250.

Troum SJ, Smith TL, Koman LA, Ruch DS. Management of Vasospastic Disorders of the Hand. Clin Plast Surg 1997; 24(1):121-132.

Ruch DS, Koman LA. The Fibula-Flexor Hallucis Longus Osteomuscular Flap. J Bone Joint Surg Br 1997; 79-B(6):964-968.

Ruch DS, Poehling GG. Anterior Interosseus Nerve Injury Following Elbow Arthroscopy. Arthroscopy 1997; 13(6):756-758.

BIBLIOGRAPHY:

JOURNAL ARTICLES:

Li Z, Ruch DS, Koman LA. Intraosseous Ganglion of the Lunate. J South Orthop Assoc 1997; 6(4):298-301.

Ruch DS, Satterfield W. The Use of Arthroscopy to Document Accurate Position of Core Decompression of the Hip. Arthroscopy 1998; 14(6):617-619.

Cory JW, Ruch DS. Arthroscopic Removal of a .44 Caliber Bullet from the Hip. Arthroscopy 1998; 14(6):624-626.

Ruch DS, Bowling J. Arthroscopic Assessment of Carpal Instability. Arthroscopy 1998; 14(7):675-681.

Ruch DS, Chang DS, Poehling GG. The Arthroscopic Management of Avascular Necrosis of the Proximal Pole Following Scaphoid Non-Union. Arthroscopy 1998; 14(7):747-752.

Koman LA, Slone SA, Smith BP, Ruch DS, Poehling GG. Significance of Cold Intolerance in Upper Extremity Disorders. J South Orthop 1998; 7(3):192-197.

Koman LA, Ruch DS, Aldridge M, Smith BP, Holden MB, Fulcher M. Arterial Reconstruction in the Ischemic Hand and Wrist: Effects on Microvascular Physiology and Health-Related Quality of Life. J Hand Surg 1998; 23A(5):773-782.

Ruch DS, Cory JW, Poehling GG. The Arthroscopic Management of Osteochondritis Dissecans of the Adolescent Elbow. Arthroscopy 1998; 14(8):797-803.

Ruch DS, Kuzma GR. Unexpected Result Following Scapholunate Repair. Orthopaedics 1998-1999; 22(2): 599.

Menth-Chiari WA, Poehling GG, Wiesler ER, Ruch DS. Arthroscopic Debridement for the Treatment of Kienbock's Disease. Arthroscopy 1999; 15(1):12-19.

Menth-Chiari WA, Poehling GG, Ruch DS. Arthroscopic Resection of the Radial Head. Arthroscopy 1999; 15(3):226-230.

Ruch DS, Chang DS, Koman LA. Reconstruction of Longitudinal Stability of the Forearm Following Disruption of Interosseous Ligament and Radial Head Excision (Essex-Lopresti lesion). J South Orthop 1999; 8(1):47-56.

Ruch DS, Marr AW, Holden M, James P, Challa V, Smith BP. Innervation Density of the Base of the Palm. J Hand Surg 1999; 24A(2):392-397.

Ruch DS, Kuzma GR. Volar Intercalated Segment Instability After Scapholunate Ligament Reconstruction. J South Orthop 1999; 8(1):53-56.

Ruch DS, Smith TL, Smith BP, Holden M, Russell G, Koman LA. Anatomic and Physiologic Evaluation of Upper Extremity Ischemia. Microsurgery 1999; 19(4):181-188.

BIBLIOGRAPHY:

JOURNAL ARTICLES:

Ruch DS. Arthroscopic Treatment of Partial and Complete Intercarpal Tears. In: Weiland A, ed. *Techniques in Hand and Upper Extremity Surgery* 1999; 3(4).

Ritter MR, Chang DS, Ruch DS. The Role of Arthroscopy in Management of Lunotriquetral Injuries. Culp R. (Ed.) *Hand Clin* 1999; 15(3):445-453.

Ruch DS, Glisson R, Marr AW, Russell GB, Nunley JA. Fixation of Three-Part Proximal Humeral Fractures: a Biomechanical Evaluation. *J Orthop Trauma* 2000; 14 (1):36-40.

Ruch DS, Aldridge M, Holden M, Smith TL, Koman LA, Smith BP. Arterial Reconstruction for Radial Artery Occlusion. *J Hand Surg* 2000; 25A(2):282-290.

Ruch DS, Chang DS, Poehling GG. Excision of the Distal Scaphoid for Non-Union. *ACTA Orthopaedica Hellenica* 2000.

Ritter MR, Anderson SR, Ruch DS. Arthroscopic Treatment of Partial and Complete Intercarpal Ligament Tears. *Tech Hand and Upper Extrem Surg* 2000; 4(3):207-212.

Sekiya JK, Ruch DS. Hip Arthroscopy in Staging Avascular Necrosis of the Femoral Head. *J South Orthop* 2000; 9(4):254-261.

Ruch DS, Smith BP. Arthroscopic and Open Management of Dynamic Scaphoid Instability. *Orthop Clin North Am* 2001; 32(2):233-240.

Ruch DS, Koman LA, Smith TL. Chronic Vascular Disorders of the Upper Extremity. *J Am Soc for Surg of the Hand* 2001; 1(1):73-80.

Ruch DS, Sekiya J, Schaefer WD, Koman LA, Pope TL, Poehling GG. The Role of Hip Arthroscopy in the Evaluation of Avascular Necrosis. *Orthopedics* 2001; 24(4):339-343.

Menth-Chiari WA, Ruch DS, Poehling GG. Arthroscopic Excision of the Radial Head: Clinical Outcome in 12 Patients with Post-Traumatic Arthritis After Fracture of the Radial Head or Rheumatoid Arthritis. *Arthroscopy: J Arthro Rel Surg* 2001; 17(9):918-923.

Ruch DS, Ritter MR. Repair of Peripheral Triangular Fibrocartilage Complex Tears. *Atlas of the Hand Clinics* 2001; 6(2):211-220.

Ruch DS, Chang DS, Yang CC. Arthroscopic Evaluation and Treatment of Scaphoid Non-Union. *Hand Clin* 2001; 17(4):655-661.

Ruch DS, Triepel CR. Hinged Elbow Fixation for Recurrent Instability Following Fracture Dislocation. *Injury* 2001; 32(4):70-78.

Ruch DS. Periarterial Sympathectomy in Scleroderma Patients. Intermediate-Term Follow-Up. *J H Surg* 2002;27A(2):258-264.

BIBLIOGRAPHY:

JOURNAL ARTICLES:

Ruch DS, Komurcu Mahmut, Li Z, DeFranzo A. Timing of Pedicle Division for the Axial Groin Flap a Laser Doppler Perfusion Imaging Study. *Turkish J Hand Surg Microsurg* 2002; No: 8,9:27-30.

Smith AM, Urbanosky LR, Castle JA, Rushing JT, Ruch DS. Radius pull test: Predictor of Longitudinal Forearm Instability. *J Bone Joint Surg* 2002; 84A(11):1970-1976.

Ruch DS, Seal CN, Koman LA, Smith BP. The Pink Pulseless Hand. *J South Orthop Assoc* 2002; 11(3):174-177.

Ruch DS, Ritter MR. Repair of Peripheral Triangular Fibrocartilage Complex Tears. In: Osterman AL, Geissler WB, eds. Atlas of the Hand Clinics, Vol. 6 No. 2. Philadelphia: WB Saunders, 2002:211-220.

Ruch DS, Seal CN, Bliss MS, Smith BP. Carpal tunnel release: Efficacy and recurrence rate following limited incision carpal tunnel release. *J South Orthop Assoc* 2003; 11(3):144-147.

Ruch DS, Anderson SR, Ritter MR. Biomechanical Comparison of Transosseous and Capsular Repair of Triangular Fibrocartilage Tears. *Arthroscopy* 2003; 19(4):391-396.

Ruch DS, Smith AM. Articulating External Fixation to Overcome Nerve Gaps in Lower Extremity Trauma. *J Orthop Trauma* 2003; 17(4):290-294.

Ruch DS, Yang CC, Smith BP. Results of Acute Arthroscopically Repaired Triangular Fibrocartilage Complex Injuries Associated with Intra-articular Distal Radius Fractures. *Arthroscopy* 2003; 19(5):511-516.

Ruch DS, Vallee J, Li Z, Smith BP, Holden M, Koman LA. The Acute Effect of Peripheral Nerve Transection on Digital Thermoregulatory Function. *J Hand Surg* 2003; 28(3):481-488.

Ruch DS, Ginn TA. Open Reduction and Internal Fixation of the Distal Radius. *Op Tech Orthop* 2003; 13(2):138-143.

Triepel CR, Ruch DS. Open Reduction and Internal Fixation of Acute Scapholunate Tears. *Atlas of Hand Clinics* 2003; 8(2):209-216.

Smith AM, Castle JA, Ruch DS. Arthroscopic Resection of the Common Extensor Origin: Anatomic Considerations. *J Shoulder Elbow Surg.* 2003; 12(4):375-379.

Ruch DS, Yang C, Smith BP. Results of Palmar Plating of the Lunate Facet Combined With External Fixation for the Treatment of High-Energy Compression Fractures of the Distal Radius. *J Orthop Trauma* 2004; 18(1):28-33.

Ruch DS, Vallee J, Poehling GG, Smith BP, Kuzma GR. Arthroscopic Reduction Versus Fluoroscopic Reduction in the Management of Intra-Articular Distal Radius Fractures. *Arthroscopy* 2004;20(3):225-230.

BIBLIOGRAPHY:

JOURNAL ARTICLES:

Birkedal JP, Deal DN, Ruch DS. Loss of Flexion After Radial Head Replacement. *J Shoulder Elbow Surg* 2004; 13(2):208-213.

Ruch DS, Deal DN, Ma J, Smith AM, Castle JA, Walker FO, Martin EV, Yoder JS, Rushing JT, Smith TL, Koman LA. Management of Peripheral Nerve Defects: External Fixator-Assisted Primary Neuroorrhaphy. *J Bone Joint Surg* 2004; 86A(7):1405-1413.

Elsaidi GA, Ruch DS, Kuzma GR, Smith BP. Dorsal Wrist Ligament Insertions Stabilize the Scapholunate Interval: Cadaver Study. *Clin Orthop Rel Res* 2004;1(425):152-157.

Elsaidi GA, Ruch DS, Schaefer WD, Kuzma K, Smith BP. Complications Associated with Traction on the Hip During Arthroscopy. *J Bone Joint Surg* 2004;86B(6):793-796.

Ruch DS, Weiland AJ, Wolfe SW, Geissler WB, Cohen MS, Jupiter JB. Current Concepts in the Treatment of Distal Radial Fractures. In: Helfet DL, Greene WB, eds. *Instructional Course Lectures*, Vol. 53. Rosemont: American Academy of Orthopaedic Surgeons 2004: 389-401.

Papadonikolakis A, Ruch DS. Internal Distraction Plating of Distal Radius Fractures. *Tech Hand & Upper Extrem Sur* 2005; March; 9(1):2-6.

Papadonikolakis A, Shen J, Garret JP, Davis SM, Ruch DS. The Effect of Increasing Distraction on Digital Motion Following External Fixation of the Wrist. *J Hand Surg* 2005; 30(4):773-779.

Ruch DS, Ginn TA, Yang CC, Smith BP, Rushing J, Hanel DP. Use of a Distraction Plate for Distal Radius Fractures with Metaphyseal and Diaphyseal Comminution. *J Bone Joint Surg Am* 2005; May; 87(5):945-954.

Ruch DS, Lumsden BC, Papadonikolakis A. Distal Radius Fractures: A Comparison of Tension Band Wiring Versus Ulnar Outrigger External Fixation for the Management of Distal Radioulnar Instability. *J Hand Surg* 2005; 30(5):969-977.

Ruch DS, Papadonikolakis A. Arthroscopically Assisted Repair of Peripheral Triangular Fibrocartilage Complex Tears: Factors Affecting Outcome. *Arthroscopy* 2005; 21(9):1126-1130.

Papadonikolakis A, Shen J, Garrett JP, Davis SM, Ruch DS. The Effect of Increasing Distraction on Digital Motion Following External Fixation of the Wrist. *J Hand Surg* 2005; Jul; 30(4):773-779.

Shen J, Papadonikolakis A, Garrett JP, Davis SM, Ruch DS. Ulnar-Positive Variance As a Predictor of Distal Radioulnar Joint Ligament Disruption. *J Hand Surg* 2005; Nov; 30(6):1172-1177.

Ruch DS, Papadonikolakis A: Volar Versus Dorsal Plating in the Management of Intra-Articular Distal Radius Fractures. *J Hand Surg* 2006; Jan; 31A(1):9-16.

BIBLIOGRAPHY:

JOURNAL ARTICLES:

Ginn TA, Ruch DS, Yang CC, Hanel DP. Use of a Distraction Plate for Distal Radial Fractures with Metaphyseal and Diaphyseal Comminution. *Surgical Technique. J Bone Joint Surg* 2006; 88(A):29-36.

Cole DW, Elsaidi GA, Kuzma KR, Kuzma GR, Smith BP, Ruch DS. Distal Radioulnar Joint Instability in Distal Radius Fractures: The Role of Sigmoid Notch and Triangular Fibrocartilage Complex Revisited. *Injury* 2006; March; 37(3):252-258.

Ruch DS, Papadonikolakis A. Resection of the Scaphoid Distal Pole for Symptomatic Scaphoid Nonunion After Failed Previous Surgical Treatment. *J Hand Surg* 2006; April; 31A(4):588-593.

Ruch DS, Papadonikolakis A, Campolattaro RM. The Posterolateral Plica: A Cause of Refractory Lateral Elbow Pain. *J Shoulder Elbow Surg* 2006; May-June; 15(3):367-370.

Payatakes AH, Zagoreos NP, Fedorcik GG, Ruch DS, Levin LS. Current Practice of Microsurgery by Members of the American Society for Surgery of the Hand. *J Hand Surg* 2007; April; 32(4):541-547.

Garrett JP, Cole DW, Ruch DS. Measurement of Intraoperative Nerve Conduction Velocities During Anterior Interosseous Nerve Decompression. *Am J Orthop* 2007; December; 36(12):675-677.

Chloros GD, Wiesler ER, Stabile KJ, Papadonikolakis A, Ruch DS, Kuzma GR. Reconstruction of Essex-Lopresti Injury of the Forearm; Technical Note. *J Hand Surg (Am)* 2008; January; 33(1):124-130.

Elsaidi GA, Deal N, Smith BP, Ruch DS. Volar Collapse After Dorsal Plating of Comminuted Distal Radius Fractures. *Am J Orthop* 2007; May; 36(5):269-272.

Richard MJ, Ruch DS, Aldridge JM. Malunions and Nonunions of the Forearm. *Hand Clin* 2007; May; 23(2):235-243.

Ruch DS, Shen J, Chloros GD, Krings E, Papadonikolakis A. Release of the Medial Collateral Ligament to Improve Flexion in Post-Traumatic Elbow Stiffness. *J Bone Joint Surg Br* 2008; May; 90(5):614-618.

Protopsaltis TS, Ruch DS. Volar Approach to Distal Radius Fractures. *J Hand Surg (Am)* 2008; July-August; 33(6):958-965.

Lucado AM, Li Z, Russell GB, Papadonikolakis A, Ruch DS. Changes in Impairment and Function After Static Progressive Splinting for Stiffness After Distal Radius Fracture. *J Hand Therapy* 2008; October-December; 21(4): 319-325.

Richard MJ, Aldridge JM, Wiesler ER, Ruch DS. Traumatic Valgus Instability of the Elbow: Pathoanatomy and Results of Direct Repair. *J Bone Joint Surg Am.* 2008; November; 90(11):2416-2422.

BIBLIOGRAPHY:

JOURNAL ARTICLES:

Ruch DS, Rineer CA. Elbow Tendinopathy and Tendon Ruptures: Epicondylitis, Biceps and Triceps Ruptures. J Hand Surg 2009; March; 34A(3):566-576.

JOURNAL ARTICLES:

IN PRESS:

Ruch DS. Complications Associated with Dorsal Plating. Am J Orthop

Ruch DS, Yang C, Smith BP. Arthroscopically Assisted Repair of Peripheral Triangular Fibrocartilage Complex Tears. Arthroscopy.

Papapetropoulos PA, Ruch DS. Arthroscopic Triangular Fibrocartilage Complex Tears Repair in Athletes. Hand Clinics. (Accepted for publication in August 2009).

BIBLIOGRAPHY:

ABSTRACTS :

Naylor PT, Ruch DS, Brownlow C, Webb LX, Gristina AG. Fibronectin Binding to Orthopaedic Biomaterials & Subsequent Role in Bacterial Adherence. Transactions of the 35th Academy, New Orleans, Louisiana, 1989;14:561.

Ruch DS. The Landscape of Meniscal Injuries. Eastern Orthopaedic Association Annual Meeting. Southampton, Bermuda, 1990;15:55.

Ruch DS, Poehling GG, Chabon SC. The Landscape of Meniscal injuries. Orthopaedic Trans 1991;15(1):55.

Ruch DS, Siegel D, Chabon SJ, Koman LA, Poehling GG. Arthroscopic Categorization of Intercarpal Ligamentous Injuries of the Wrist. Orthopaedics 1993;16(9):1051-1056.

Ruch DS, Siegel DB, Jupiter J. Post Traumatic Osteoarthritis: Establishment of a New Model. Orthopaedic Trauma Association. New Orleans, Louisiana, November 1993.

Ruch DS, Siegel DB, Jupiter J. The Effect of Timing of Internal Fixation on the Induction of Post Traumatic Arthritis. American Academy of Orthopaedic Surgery Meeting. New Orleans, Louisiana, March 1994.

Ruch DS, Koman LA. One Stage Myo-Osseus Reconstruction Using a Free Fibula - FHL Graft. Southern Orthopaedic Association 13th Annual Meeting, Scotland, August 1996.

Ruch DS, Marr AW, Challa V, Holden M. Innervation Density of the Palm. The Quest for the Perfect Carpal Tunnel Release. Southern Orthopaedic Association 13th Annual Meeting, Scotland, August 1996.

Poehling GG, Ruch DS, Koman LA. Distal Radial Fractures and Chondromalacia of the Wrist.

Vastamaki, M. (Ed). International Congress Series, 1083. Current Trends in Hand Surgery; 6th Congress of the International Federation of Societies for Surgery of the Hand, Helsinki, Finland, July 1995. xvi+663. Elsevier Science Publishers B.V.: Amsterdam, Netherlands; New York, New York, USA, 145-149.

Poehling GG, Ruch DS, Koman LA. Vastamaki, M (Ed). Articular Cartilage Lesions of the Wrist. International Congress Series, 1083. Current Trends in Hand Surgery; 6th Congress of the International Federation of Societies for Surgery of the Hand, Helsinki, Finland, July 1995. xvi+663. Elsevier Science Publishers B.V.: Amsterdam, Netherlands; New York, New York, USA, 1314.

Ruch DS, Aldridge JM, Koman LA. The Management of Vaso-Occlusive Disease of the Radial Artery. Orthopaedic Transactions 1997.

Ruch DS, Kuzma, GR. Biomechanical Rigidity Following Fixation of Proximal Humerus Fractures. Orthopaedic Transactions 1997.

BIBLIOGRAPHY:

ABSTRACTS :

Ruch DS, Kuzma GR. Unexpected Result Following Scapholunate Repair. Orthop Transactions 1997.

Ruch DS, Aldridge JM, Koman LA. Chronic Vaso-Occlusive Disease of the Radial Artery. Orthopaedic Transactions 1997/98;21:1279-1280.

Li Z, Koman LA, Smith BP, Ruch DS, Smith TL. Local Warming Induced Vasodilation in the Rabbit Ear. FASEB Journal 1998;12:83.

Ruch DS, Aldridge J, Koman LA, Holder M. Radial artery Reconstruction for Vaso-Occlusive Disease: Effects on Microvascular Physiology and Health-Related Quality of Life. Journal of Reconstructive Microsurgery 1998;14 (4):272.

Koman LA, Ruch DS, Smith TL. Brachial Artery Compromise Following Supracondylar Humerus Fracture. Duke Hand Club. Journal of Bone and Joint Surgery 1998-1999;22 (2):603.

Ruch DS, Kuzma GR. Biomechanical Rigidity Following Fixation of Proximal Humerus Fracture. Orthopaedic Transactions 1998-1999;22 (2):599.

Sekiya JK, Ruch DS, Hunter M, Pope TL, Koman A, Russell GB. The Role of Hip Arthroscopy in the Staging of Avascular Necrosis of the Femoral Head. Orthopaedic Transactions 1998-1999;22 (2):397.

Marr AW, Ruch DS, Nunley JA, Glisson RR, Russell G. Biomechanical Stability Following Fixation of Three-Part Proximal Humerus Fractures. Orthopaedic Transactions 1998-1999;22 (2):337.

Ruch DS, Kuzma GR. The Role of the Dorsal Radiolunate Triquetral Ligament and Dorsal Capsule in Wrist Instability. AANA 1998;14(3):7.

Smith AM, Urbanosky LR, Castle JA, Ruch DS. Radius Pull Test: An Intraoperative Indicator of Longitudinal Forearm Stability. American Society for Surgery of the Hand. Baltimore, Maryland, October 3-7, 2001.

BIBLIOGRAPHY:

POSTER EXHIBITS:

Pollock D, Neal B, Ruch DS, Koman LA. Symptomatic and functional assessment of allograft umbilical vein wrapping for dystrophic median nerve dysfunction. American Society for Surgery of the Hand 50th Annual Meeting. Cincinnati, Ohio, October 25-29, 1994.

Marr AW, Holden M, Ruch DS. Innervation density of the palm: the quest for the perfect carpal tunnel release. American Society for Surgery of the Hand 51st Annual Meeting. Nashville, Tennessee, September 30, 1996.

Ruch DS, Wiesler E. Arthroscopic staging of Keinbock 's disease. American Society for Surgery of the Hand 52nd Annual Meeting. Denver, Colorado. September 14, 1997.

Ruch DS, Kuzma GR. The role of the dorsal capsule and dorsal radiolunotriquetral ligaments in wrist stability. American Society for Surgery of the Hand 52nd Annual Meeting. Denver, Colorado. September 14, 1997.

Ruch DS, DeFranzo AJ, Li Z, Koman LA. Timing of the division of the groin flap - A laser Doppler perfusion image study. American Society for Reconstructive Microsurgery. Scottsdale, Arizona. January 1998.

Sekiya JK, Ruch DS, Hunter DM, Pope Jr TL, Koman LA, Poehling GG, Russell G. The role of arthroscopy in the diagnosis and staging of osteonecrosis. Annual Residents= Conference of the American Orthopaedic Association. Sacramento, California, February 20-22, 1998.

Webb LX, Argenta LC, Lange RH, Ruch DS, Teasdall RD, Ward W, Mooney JF, Morykwas M, DeFranzo A, Molnar J, Marks M. Vacuum assisted wound closure (VAC Therapy) -experience with its use in 150 patients. 65th Annual Meeting of the American Academy of Orthopaedic Surgeons. New Orleans, Louisiana, March 19-23, 1998.

Ruch DS, Li Z, Koman LA, Holden M. When should we divide the pedicle of the axial groin flap? A laser Doppler imager study. American Society for Surgery of the Hand 53rd Annual Meeting, September 10-12, 1998.

Menth-Chiari WA, Ruch DS. Arthroscopic radial head resection. American Society for Surgery of the Hand 54th Annual Meeting, September 1-4, 1999.

Kuzma G, Ruch DS. The use of Brachioradialis graft to reconstruct the scapholunate ligament. American Society for Surgery of the Hand 55th Annual meeting, October 4-7, 2000.

Ruch DS, Bliss MS, Seal CN. Limited incision carpal tunnel release: A retrospective analysis. American Society for Surgery of the Hand.

BIBLIOGRAPHY:

MISCELLANEOUS:

Ruch DS. Profiled in Pediatric Orthopaedic Newsletter. Issue no. 5, April 1996.

Ruch DS, Poehling GG, Koman LA. Ligament Reconstruction of the Carpal Bones. Collaboration with Innovative Devices to develop a pamphlet, insert, and video. 1996-1997.

Ruch DS. Acute Wrist Injuries. Patient Care Journal 1997;31:56-75.

Ruch DS. Free Vascularized Fibular Bone Graft, Interview with CNN. Winston-Salem, North Carolina, April 1998.

Ruch DS. Orthofix Radiolucent Wrist External Fixator. Cadaver Workshop. Winston-Salem, North Carolina, May 19, 1999.

Ruch DS. Orthofix International. Training seminar. Distal Radius Fractures. Cadaver workshop. Winston-Salem, North Carolina, September 14, 2000.

Ruch DS. University of British Columbia. Orthopaedic Grand Rounds: Arthroscopic surgery of the hip. Vancouver, British Columbia, Canada. February 27- March 3, 2002.

Ruch DS. University of British Columbia. Orthopaedic Grand Rounds: The arthroscopic evaluation of avascular necrosis. Vancouver, British Columbia, Canada. February 27- March 3, 2002.

Ruch, DS. Washington University School of Medicine. Orthopaedic Grand Rounds. New Directions in the Management of Distal Radius Fractures. St. Louis, Missouri. November 6, 2002.

Ruch DS. Triangular Fibrocartilage Tears. In: Seiler J, ed. Crucial Elements (DVD). Rosemont: American Academy of Orthopaedic Surgeons (in process).

Koman LA, Ruch DS. Vascular Disorders Affecting the Hand. In: Seiler J, ed. Crucial Elements (DVD). Rosemont: American Academy of Orthopaedic Surgeons (in process).

Ruch DS. Wrist Arthroscopy. In: Seiler J, ed. Crucial Elements (DVD). Edited by Seiler III, JG. Produced by ASSH. Rosemont, Illinois. Released September 2004.

Ruch DS. Chronic Intercarpal Instability. In: Seiler J, ed. Crucial Elements (DVD). Edited by Seiler III, JG. Produced by ASSH. Rosemont, Illinois. Released September 2004.

Ruch DS. American Academy of Orthopaedic Surgeons/Journal of Bone and Joint Surgery. Video supplement: Radius Fractures with Metaphyseal and Diaphyseal Comminution. 2005.

PART II - TEACHING PORTFOLIO

NAME: David S. Ruch, MD

INTRAMURAL EDUCATION: MEDICAL STUDENTS

“Hand Surgery,” General Surgery AM Conference. Bowman Gray School of Medicine. Winston-Salem, North Carolina, February 4, 1997.

“Hand Surgery,” General Surgery AM Conference. Bowman Gray School of Medicine. Winston-Salem, North Carolina, April 15, 1997.

“Hand Surgery,” General Surgery AM Conference. Bowman Gray School of Medicine. Winston-Salem, North Carolina, June 24, 1997.

“Hand Surgery,” General Surgery AM Conference. Bowman Gray School of Medicine. Winston-Salem, North Carolina, August 11, 1997.

“Hand Surgery,” General Surgery AM Conference. Wake Forest University School of Medicine Bowman Gray Campus. Winston-Salem, North Carolina, November 11, 1997.

“Hand Surgery,” General Surgery AM Conference. Wake Forest University School of Medicine Bowman Gray Campus. Winston-Salem, North Carolina, February 3, 1998.

“Hand Surgery,” General Surgery AM Conference. Wake Forest University School of Medicine Bowman Gray Campus. Winston-Salem, North Carolina, April 14, 1998.

“Hand Surgery,” General Surgery AM Conference. Wake Forest University School of Medicine Bowman Gray Campus. Winston-Salem, North Carolina, June 23, 1998.

“Hand Surgery,” General Surgery AM Conference. Wake Forest University School of Medicine Bowman Gray Campus. Winston-Salem, North Carolina, September 1, 1998.

“Hand Surgery,” General Surgery AM Conference. Wake Forest University School of Medicine Bowman Gray Campus. Winston-Salem, North Carolina, November 10, 1998.

“Arm, Forearm,” Gross Anatomy Lab. Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 13, 2000.

“Hand, Joints,” Gross Anatomy Lab. Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 16, 2000.

“Shoulder and Forearm,” Gross Anatomy Lab. Wake Forest University School of Medicine. Winston-Salem, North Carolina, September 21, 2002.

INTRAMURAL EDUCATION:

MEDICAL STUDENTS: Summer Fellowships

John Yoder The Use of Articulating Fixators to Facilitate End-to-End Nerve Repair: Evaluation of Functional and Histological Outcomes

4-year Research Preceptorships

Jon Sekiya: The Role of Arthroscopy in the Diagnosis and Staging of Osteonecrosis - published
John Cory: Pediatric Elbow Fractures - presented, published
 Arthroscopic Removal of a .44 Caliber Bullet From the Hip - published
Mack Aldridge: Chronic Vaso-Occlusive Disease of the Radial Artery - presented, published
David Chang: The Arthroscopic Management of Non-Unions of the Scaphoid - published
Bill Satterfield: The Use of Arthroscopy to Document Accurate Position of Core
 Decompression of the Hip - published
Charlie Yang: Supracondylar Humerus Fracture (In progress)
 The Effects of Dorsal and Volar Translation on Forearm Rotation: A Cadaveric Study
Steven Anderson: Arthroscopic Versus Open TFCC Repair
Jeff Vallee: Role of Supination in Stability Following Distal Radius Fractures
Charles Seal: Supracondylar Fractures in Children with Absent Distal Pulses- the Management of the
 Pink Pulseless Hand
Kevin Kuzma: The Effect of the Volar Component of the Distal Radius on Distal Radioulnar Joint
 Instability
 The Role of the Sigmoid Notch in the Distal Radioulnar Joint Stability

Mentoring/Advising:

Faculty Advisor and Coordinator of Hand Fellowship

INTRAMURAL EDUCATION:

GRADUATE STUDENTS

“Pediatric Elbow Fractures,” Emergency Medicine Grand Rounds, Bowman Gray School of Medicine, Winston-Salem, North Carolina, March 1991.

“Brachial Plexus,” Hand and Microsurgery Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, August 12, 1994.

“Flexor Tendon Injury and Repair,” Hand and Microsurgery Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina August 19, 1994.

“Nerve Injuries in the Upper Extremities,” Orthopaedic Core Curriculum, Bowman Gray School of Medicine, Winston-Salem, North Carolina, August 7, 1994.

“Carpal Injury,” Hand and Microsurgery Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, October 21, 1994.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

“Nerve Injury and Repair,” Hand and Microsurgery Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, December 16, 1994.

“Infection in the Hand and Forearm,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, March 24, 1995.

“Arthroscopy of the Wrist/Elbow/Shoulder,” Hand and Microsurgery Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, May 19, 1995.

“Compartment Syndromes,” Hand Conference. Bowman Gray School of Medicine, Winston-Salem, North Carolina, July 7, 1995

“Common Hand and Upper Extremity Injuries,” Grand Rounds Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, July 27, 1995

“Acute Hand Injury,” Grand Rounds Department of Family Medicine, Bowman Gray School of Medicine, Winston-Salem, North Carolina, August 3, 1995.

“Flexor Tendon Injuries and Rehabilitation,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, August 18, 1995

“Imaging of the Wrist,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, January 1996.

“Infection of the Hand and Forearm,” Hand Conference. Bowman Gray School of Medicine. Winston-Salem, North Carolina, March 1, 1996

“Metacarpal Fractures,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, May 17, 1996.

“Flexor Tendon Injury, Repair, and Rehabilitation,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, July 26, 1996.

“Compartment Syndromes,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, August 23, 1996

“Anatomy and Evaluation of the Shoulder,” Anatomy Core Curriculum, Bowman Gray School of Medicine. Winston-Salem, North Carolina, December 11, 1996.

“Carpal Tunnel Syndrome,” Internal Medicine Grand Rounds, Bowman Gray School of Medicine, Winston-Salem, North Carolina, January 30, 1997.

“The Injured Hand,” Presented to Emergency Medicine Residents, Bowman Gray School of Medicine, Winston-Salem, North Carolina, January 30, 1997.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

“Imaging of the Wrist,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, January 17, 1997.

“Innervation Density of the Palm: the Quest for the Perfect Carpal Tunnel Release,” with Marr AW, Challa, V, and Holden, M. Department of Surgical Sciences Resident Research Day. Bowman Gray School of Medicine, Winston-Salem, North Carolina, April 19, 1997.

“Arthroscopic Staging of Keinbock=s Disease,” with Wiesler, ER. Department of Surgical Sciences Resident Research Day. Bowman Gray School of Medicine. Winston-Salem, North Carolina, April 19, 1997.

“Infection of the Hand and Forearm.” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, May 2, 1997.

“Thumb Reconstruction,” Hand Conference. Bowman Gray School of Medicine. Winston-Salem, North Carolina, June 6, 1997.

“Complications of Distal Radius Fractures,” Hand Conference, Bowman Gray School of Medicine, Winston-Salem, North Carolina, September 19, 1997.

“Anatomy of the Shoulder,” Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 1997.

“Flexor Tendon Injuries,” Hand Conference, Wake Forest University School of Medicine. Winston-Salem, North Carolina, December 5, 1997.

“Nerve Injury and Repair,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, January 16, 1998.

“Humeral Shaft Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, May 8, 1998.

“Infections in the Upper Extremity,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, May 15, 1998.

“Carpal Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, June 12, 1998.

“Rheumatoid Arthritis - Surgery of the Wrist and Fingers,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, June 19, 1998.

“Physical Exam of the Wrist,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, July 17, 1998.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

“Anatomy of Hand and Forearm,” Core Curriculum, Hand Conference. Wake Forest University School of Medicine, Winston-Salem, North Carolina, July 31, 1998.

“Anatomy of Hand and Forearm,” Core Curriculum, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, August 21, 1998.

“Anatomy of Hand and Forearm,” Core Curriculum, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, August 28, 1998.

“Anatomy of Hand and Forearm,” Core Curriculum, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, September 25, 1998.

“Anatomy of the Shoulder,” Wake Forest University School of Medicine, Winston-Salem, North Carolina, September 26, 1998.

“Flexor Tendons,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 2, 1998.

“Anatomy of Hand and Forearm,” Core Curriculum, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 16, 1998.

“Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 30, 1998.

“Carpal Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, November 13, 1998.

“Nerve Injury and Repair,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, December 4, 1998.

“Infections in the Upper Extremity,” Hand Conference, Wake Forest University School of Medicine. Winston-Salem, North Carolina, January 29, 1999.

“Complications of Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, March 5, 1999.

“Dupuytren's Contractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, April 16, 1999.

“Rheumatoid Arthritis: Surgery of the Wrist & Fingers,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, May 7, 1999.

“Flexor Tendons,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, September 17, 1999.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

“Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 15, 1999.

“Carpal Fractures,” Hand Conference, Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 29, 1999.

“Compressive Neuropathies,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 19, 1999.

“Infections in the Upper Extremity,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, January 14, 2000.

“Complications of Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, February 11, 2000.

“Metacarpal/Phalangeal Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 3, 2000.

“Rheumatoid Arthritis- Surgery of the Wrist & Fingers,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 31, 2000.

“Brachial Plexus Injuries,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, June 2, 2000.

“Elbow & Forearm: Adult Trauma,” OKU (Orthopaedic Knowledge Update Chapter 30) Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, August 22, 2000.

“Flexor Tendons: Anatomy & Injury,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, September 15, 2000.

“Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, October 13, 2000.

“Nerve Injuries & Repair,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 3, 2000.

“Shoulder,” Anatomy Conference, Wake Forest University School of Medicine, Winston-Salem, North Carolina, November 4, 2000.

“Infections in the Upper Extremity,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, January 19, 2001.

Lecture to Emergency Residents, Wake Forest University School of Medicine, Winston-Salem, February 1, 2001.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

“Complications of Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 16, 2001.

“Rheumatoid Arthritis: Surgery of the Wrist & Fingers,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 30, 2001.

“Brachial Plexus Injuries-Adult/Neonatal,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, June 1, 2001.

“Tumors of the Upper Extremity,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, June 8, 2001.

“Carpal Instability,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, June 22, 2001.

“Elbow & Forearm: Adult Trauma,” Orthopaedic Knowledge Update Chapter #30, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, August 17, 2001.

“Fractures & Dislocations of the Elbow,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, September 28, 2001.

“Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 9, 2001.

“Carpal Instability,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 16, 2001.

“Carpal Tunnel Syndrome,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, February 1, 2002.

“Forearm Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, February 22, 2002.

“Flexor Tendon Injury and Reconstruction,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 15, 2002.

“Infection in the Hand,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, June 14, 2002.

“Wrist and Hand Trauma,” Orthopaedic Knowledge Update Chapter 33, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, August 16, 2002.

“Wrist and Hand Reconstruction,” Orthopaedic Knowledge Update Chapter 34, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, August 30, 2002.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

“Elbow and Forearm Adult Trauma,” Orthopaedic Knowledge Update Chapter 30, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, September 6, 2002.

“Arthroscopic Portals and Danger Zones,” Anatomy Lab Lecture, Wake Forest University School of Medicine, Winston-Salem, September 21, 2002.

“Distal Radioulnar Joint,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 15, 2002.

“Update on Distal Radius Fractures,” Grand Rounds, Wake Forest University School of Medicine, Winston-Salem, November 20, 2002.

“Carpal Instability,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 22, 2002.

“Distal Radius Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, December 6, 2002.

“Fractures and Dislocations of the Elbow,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, December 20, 2002.

“Carpal Tunnel Syndrome,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, February 21, 2003.

“Forearm Fractures,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 14, 2003.

“Flexor Tendon Injury/Reconstruction,” Hand Conference, Wake Forest University School of Medicine, Winston-Salem, March 28, 2003.

“Wrist and Hand Reconstruction,” Orthopaedic Knowledge Update Chapter 34, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, August 8, 2003.

“Update on Distal Radius Fractures,” Grand Rounds, Wake Forest University School of Medicine, August 13, 2003.

“Elbow & Forearm: Adult Trauma,” Orthopaedic Knowledge Update Chapter #30, Hand Conference, Wake Forest University School of Medicine, Winston-Salem, August 30, 2003.

“Anatomy: The Shoulder,” Grand Rounds, Wake Forest University School of Medicine, November 19, 2003.

“Elbow Anatomy,” Grand Rounds, Wake Forest University School of Medicine, July 14, 2004.

**INTRAMURAL EDUCATION:
GRADUATE STUDENTS**

"Carpal Instability," Hand Conference, Wake Forest University School of Medicine, Winston-Salem, November 19, 2004.

"Distal Radius Fractures," Hand Conference, Wake Forest University School of Medicine, Winston-Salem, December 10, 2004.

"Fracture Dislocations of the Elbow," Hand Conference, Wake Forest University School of Medicine, Winston-Salem, December 17, 2004.

**INTRAMURAL EDUCATION:
OTHER HEALTH PROFESSIONAL STUDENTS**

"Microsurgery," at Orthopaedic Nursing - a Nuts and Bolts Workshop. Bowman Gray School of Medicine, Winston-Salem, North Carolina, April 27, 1995.

"Emergency Hand Injuries," Winston-Salem Society of Physicians Assistants, Winston-Salem, North Carolina, June 20, 1995.

Piedmont Hand Study Group. Bowman Gray/Baptist Hospital Medical Center. Winston-Salem, North Carolina, February 7, 1996

"Evaluation of Hand Injuries," Winston-Salem Society of Physicians Assistants, Winston-Salem, North Carolina, September 4, 1997.

Trauma Conference. Wake Forest University School of Medicine. Winston-Salem, North Carolina, October 9, 2002.

"Hand Injuries," Emergency Department Medical Students," Wake Forest University School of Medicine, Winston-Salem, North Carolina, October 23, 2002.

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

October 1994	Faculty American Society for Surgery of the Hand Hand Surgery Review Course Durham, North Carolina
--------------	---

November 1994	Lab Instructor AO/ASIF Residents' Basic Course Charlotte, North Carolina
---------------	---

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

February 1995	Faculty American Academy of Orthopaedic Surgeons 62nd Annual Meeting Orlando, Florida
March 1995	Faculty Arthroscopy Association of North America Master's Experience Course Rosemont, Illinois
April 1995	Faculty American Academy of Orthopaedic Surgeons Perspectives on Small Joint Arthroscopy Course Rosemont, Illinois
September 1995	Faculty American Academy of Orthopaedic Surgery 1995 Summer Institute Boston, Massachusetts
January 1996	Faculty Wake AHEC Southeastern Fracture Symposium Greensboro, North Carolina
February 1996	Faculty American Academy of Orthopaedic Surgeons 63 rd Annual Meeting Atlanta, Georgia
June 1996	Faculty American Academy of Orthopaedic Surgeons Arthroscopic Resection Surgery in the Wrist Rosemont, Illinois
August 1996	Faculty American Society for Surgery of the Hand and American Academy of Orthopaedic Surgeons Wrist Arthroscopy Chicago, Illinois

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

- September 1996 Faculty
American Society for Surgery of the Hand
Wrist Arthroscopy Basic and Advanced Techniques
Nashville, Tennessee
- October 1996 Faculty
American Society for Surgery of the Hand
The Wrist & Elbow Arthroscopy Tutorial
Winston-Salem, North Carolina
- December 1996 Faculty
Hands-on Cadaver Lab: Arthroscopy of Shoulder & Elbow, and
Arthroscopy of Knee & Ankle
Utrecht University, Amsterdam, The Netherlands
- February 1997 Faculty
American Academy of Orthopaedic Surgeons
64th Annual Meeting
San Francisco, California
- October 1997 Faculty
Eastern Orthopaedic Association
28th Annual Meeting
Scottsdale, Arizona
- November 1997 Master Instructor
Arthroscopy Association of North America
Wrist, Elbow, and Carpal Tunnel
Rosemont, Illinois
- December 1997 Faculty
Utrecht University
Hands-on Cadaver Lab: Arthroscopy of Shoulder & Elbow, and
Arthroscopy of Knee & Ankle
Amsterdam, The Netherlands
- July 1998 Instructor
Arthroscopy Association of North America
Arthroscopic Surgery of the Wrist, Elbow, and Carpal Tunnel
Rosemont, Illinois

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

- June 1998 Faculty
AO/ASIF for AO North America
Principles of Fracture Management and Advanced Controversies in
Fracture Care Course
Marco Island, Florida
- September 1998 Faculty
American Society for Surgery of the Hand &
American Academy of Orthopaedic Surgeons
Wrist Arthroscopy
Rosemont, Illinois
- November 1998 Faculty
American Academy of Orthopaedic Surgeons
Review for practicing Orthopaedic Surgeons
Philadelphia, Pennsylvania
- January 1999 Faculty
AO/ASIF
Principles of Fracture Management
Charlotte, North Carolina
- February 1999 Faculty
American Academy of Orthopaedic Surgeons
Instructional Course Lecture
Anaheim, California
- June 1999 Chair
Wake Forest University School of Medicine
Contemporary Management of Fractures of the Wrist and Elbow
Winston-Salem, North Carolina
- February 2000 Faculty
Southeastern Hand Club
23rd Annual Meeting
Deer Valley, Utah
- March 2000 Faculty
American Academy of Orthopaedic Surgeons and
68th Annual Meeting
Orlando, Florida

EXTRAMURAL EDUCATION:

RECURRENT TEACHING RESPONSIBILITIES

March 2000	Faculty AO/ASIF Hand and Wrist Fracture Course Colorado Spring, Colorado
May 2000	Faculty New Millenium Hand Club Annual Meeting Paris, France
May 2000	The Third Riva Congress Current Perspectives in Fracture Management and Orthopaedic Reconstruction Riva del Garda, Italy
June 2000	Faculty Orthofix, Inc. Advanced Sales School Winston-Salem, N.C.
July 2000	Faculty American Society for Surgery of the Hand Comprehensive Review Course Dallas, Texas
August 2000	Co-Chairman American Society for Surgery of the Hand and American Academy of Orthopaedic Surgeons Wrist Arthroscopy Course Rosemont, Illinois
August 2000	Faculty Orthofix Great Performances in Upper Extremity New York, New York
September 2000	Co-Chairman North Carolina Society for Surgery of the Hand Annual Meeting Southern Pines, North Carolina
September 2000	Faculty Orthofix, Inc. Advanced Sales School Winston-Salem, North Carolina

EXTRAMURAL EDUCATION:

RECURRENT TEACHING RESPONSIBILITIES

- | | |
|----------------|---|
| October 2000 | Faculty
American Society for Surgery of the Hand
55th Annual Meeting: Overcoming Adversity
Seattle, Washington |
| October 2000 | Faculty
American Academy of Orthopaedic Surgeons
From the Elbow to the Hand: A Current Practical Approach to Problem Solving
Marco Island, Florida |
| January 2001 | Faculty
American Association for Hand Surgery
American Society for Reconstructive Microsurgery
San Diego, California |
| January 2001 | Faculty
Wake AHEC
Southeastern Fracture Symposium
Greensboro, North Carolina |
| March 2001 | Faculty
Hand Rehabilitation Foundation
The Elbow: An Unforgiving Joint
Philadelphia, Pennsylvania |
| June 2001 | Faculty
American Orthopaedic Association
11 th Annual Meeting
Palm Beach, Florida |
| September 2001 | Co-Chair
American Academy of Orthopaedic Surgeons
Summer Skills Institute
San Diego, California |
| October 2001 | Faculty
American Society for Surgery of the Hand
56th Annual Meeting
Baltimore, Maryland |
| October 2001 | Faculty
Orthopaedic Trauma Association
17th Annual Meeting
San Diego, California |

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

- October 2001 Faculty
AO ASIF
Principles of Fracture Management Course for Residents
Charleston, South Carolina
- November 2001 Faculty
Arthroscopy Association of North America
20th Fall Course
San Antonio, Texas
- February 2002 Faculty
American Academy of Orthopaedic Surgeons
69th Annual Meeting
Dallas, Texas
- April 2002 Faculty
Arthroscopy Association of North America
21st Annual Meeting
Washington, DC
- May 2002 Faculty
American Society for Surgery of the Hand
Wrist Arthroscopy 2002-Current knowledge, new horizons
Rochester, Minnesota
- October 2002 Faculty
American Society for Surgery of the Hand
57th Annual Meeting
Phoenix, Arizona
- October 2002 Faculty
Orthopaedic Trauma Association
18th Annual Meeting
Toronto, Ontario, Canada
- February 2003 Faculty
American Association of Orthopaedic Surgeons
70th Annual Meeting
New Orleans, Louisiana
- March 2003 Faculty
Hand Rehabilitation Foundation
Solving the Riddle of the Wrist
Philadelphia, PA

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

March 2003	Faculty Healthstream/Zimmer Emerging Trends Orthopaedic Symposium Whistler, British Columbia, Canada
April 2003	Course Chairman AAOS/ASSH Wrist Arthroscopy Course Rosemont, IL
September 2003	Faculty American Society for Surgery of the Hand 58th Annual Meeting Chicago, IL
October 2003	Faculty Orthopaedic Trauma Association 19th Annual Meeting Salt Lake City, UT
December 2003	Faculty Surgery of the Upper Extremity A Symposium on Current Techniques New York City, NY
January 2004	Faculty Problem Fractures and Reconstructive Challenges Sponsored by Zimmer Vail, CO
February 2004	Faculty Emerging Trends: Whistler 2004 Orthopaedic Symposium Sponsored by Zimmer Whistler, British Columbia, Canada
March 2004	Faculty American Academy of Orthopaedic Surgeons 71st Annual Meeting San Francisco, CA
August 2004	Faculty AAOS/ASSH Wrist Arthroscopy Course Rosemont, IL

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

September 2004	Faculty American Society for Surgery of the Hand 59th Annual Meeting New York City, NY
October 2004	Faculty Orthopaedic Trauma Association 20th Annual Meeting Ft Lauderdale, FL
January 2005	Faculty 19th Annual Vail Orthopaedic Symposium: Upper Extremity Trauma Vail, CO
February 2005	Faculty American Academy of Orthopaedic Surgeons 72nd Annual Meeting Washington, DC
March 2005	Faculty Hand Rehabilitation Foundation The Elbow: An Unforgiving Joint Philadelphia, PA
March 2005	Faculty AO ASIF Principles of Operative Fracture Management Courses Sun Valley, ID
April 2005	Faculty ISAKOS 5th Biennial Congress Hollywood, FL
April 2005	Faculty Southeastern Hand Club 2005 Annual Meeting Kiawah Island, SC

**EXTRAMURAL EDUCATION:
RECURRENT TEACHING RESPONSIBILITIES**

- | | |
|----------------|--|
| September 2005 | Chairman
23 rd Annual Residents and Fellows Conference
American Society for Surgery of the Hand
2005 Annual Meeting
San Antonio, TX |
| September 2005 | Chairman
Arthroscopy of the Upper Extremity (Pre-course)
American Society for Surgery of the Hand
2005 Annual Meeting
San Antonio, TX |
| February 2007 | ASSH Specialty Day Program Chair
American Academy of Orthopaedic Surgeons
2007 Annual Meeting
San Diego, CA |

**EXTRAMURAL EDUCATION:
LECTURES AND ORAL PRESENTATIONS: INTERNATIONAL**

“The Landscape of Meniscal Injuries,” Eastern Orthopaedic Association Annual Meeting, Southampton, Bermuda, 1990.

Poehling GG, Ruch DS: Arthroscopic Management of Chondromalacia. 6th Congress of the International Federation of Societies for Surgery of the Hand. Helsinki, Finland, July 7, 1995.

Poehling GG, Ruch DS: Arthroscopic Management of Distal Radius Fractures. 6th Congress of the International Federation of Societies for Surgery of the Hand. Helsinki, Finland, July 7, 1995.

Poehling GG, Ruch DS: Elbow Arthroscopy: Articular Cartilage Problems. 7th Brazilian Arthroscopy Congress. Recife, Brazil, March 1996.

Ruch DS, Koman LA: One Stage Myo-Osseus Reconstruction Using a Free Fibula - FHL Graft. 13th Congress of the International Microsurgical Society. Montreal, Canada, June 1996.

Ruch DS, Koman LA. “One Stage Myo-Osseus Reconstruction Using a Free Fibula - FHL Graft,” Southern Orthopaedic Association 13th Annual Meeting, Scotland, August 1996.

Ruch DS, Marr AW, Challa V, Holden M. “Innervation Density of the Palm: the Quest for the Perfect Carpal Tunnel Release,” Southern Orthopaedic Association 13th Annual Meeting, Scotland, August 1996.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: INTERNATIONAL

“Arthroscopic Anatomy of the Elbow,” Dutch Arthroscopy Association, Utrecht University, Amsterdam, The Netherlands, December 1996.

“Arthroscopy of the Elbow: Setup and Instrumentation,” Dutch Arthroscopy Association, Utrecht University, Amsterdam, The Netherlands, December 1996.

“Indications for Elbow Arthroscopy,” Dutch Arthroscopy Association, Utrecht University, Amsterdam, The Netherlands, December 1996.

“Arthroscopic Treatment of Stiff Elbow,” Dutch Arthroscopy Association, Utrecht University, Amsterdam, The Netherlands, December 1996.

Demo: Arthroscopy of the Elbow. Hands-on Cadaver Lab: Arthroscopy of Shoulder & Elbow, and Arthroscopy of Knee & Ankle. Dutch Arthroscopy Association, Utrecht University, Amsterdam, The Netherlands, December 1996.

“Arthroscopic Management of the Stiff Elbow,” Dutch Arthroscopy Association, Amsterdam, The Netherlands, December 1996.

“Portals, Anatomy, and Risks,” Utrecht University, Amsterdam, The Netherlands, December 1997.

“Arthroscopic Treatment of Stiff Elbow,” Utrecht University, Amsterdam, The Netherlands, December 1997.

“Demo Arthroscopy of the Elbow,” Utrecht University, Amsterdam, The Netherlands, December 1997.

“Arthroscopic Anatomy of the Elbow,” Utrecht University, Amsterdam, The Netherlands, December 1997.

“Arthroscopy of the Elbow: Setup and Instrumentation,” Utrecht University, Amsterdam, The Netherlands, December 1997.

Menth-Chiari WA, Ruch DS, Poehling G: Arthroskopisches Debridement Bei Avascularewr Mondbeinnekrose (Morbus Kienbock). 15th Meeting of the Arthroscopy Association of the German Speaking Countries, Vienna, Austria. October 3, 1998.

Sekiyia, Ruch DS, Hunter DM, Pope TL, Koman, Poehling GG, Russell GB: The Role of Hip Arthroscopy in the Evaluation of Avascular Necrosis of the Femoral Head. Arthroscopy Association of North America. Vancouver, BC, Canada. April 1999.

“Hinged Elbow Fixation for Recurrent Instability Following Fracture Dislocation,” The Third Riva Congress, Riva del Garda, Italy. May 11, 2000.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: INTERNATIONAL

Ruch DS, Williams R: Dual Plating of Olecranon Fractures. The Third Riva Congress, Riva del Garda, Italy. May 11, 2000.

Webb LX, Morykwas MJ, De Franzo A, Ruch DS, Argenta L: The Use of Vacuum-Assisted Closure in Composite Wound Management. The Third Riva Congress, Riva del Garda. May 12, 2000.

“Arthroscopic Assessment of Carpal Instability,” The University of British Columbia, February 21-25, 2001.

Hunter DM, Ruch DS: Hip Arthroscopy: Procedures & Pitfalls. The University of British Columbia. February 21-25, 2001.

Poehling GG, Ruch DS. “Wrist Arthroscopy-Portals and Anatomy (from Arthroscopic Surgery of the Wrist; published by the Department of Orthopaedics at Wake Forest University School of Medicine),” The University of British Columbia, February 21-25, 2001.

“Arthroscopic Treatment of Osteochondritis Dissecans,” The University of British Columbia. February 21-25, 2001.

“New Concepts in the Management of Fractures of the Distal Radius. American Orthopaedic Association-ABC Traveling Fellowship, Royal Orthopaedic Hospital, Stanmore, England. April 16, 2001.

“Use of Articulated External Fixation to Facilitate Primary Nerve Repair,” American Orthopaedic Association-ABC Traveling Fellowship, Liverpool. April 22, 2001.

“Fractures of the Distal Humerus,” American Orthopaedic Association-ABC Traveling Fellowship, Oswetry, April 23, 2001.

“Hip Arthroscopy: Indications and Complications,” American Orthopaedic Association-ABC Traveling Fellowship, Sheffield, April 26, 2001.

“The Management of Elbow Instability,” American Orthopaedic Association-ABC Traveling Fellowship, Edinburgh, May 5, 2001.

“Management of Chronic Pain,” American Orthopaedic Association-ABC Traveling Fellowship. Aberdeen, May 9, 2001.

“The Report of the ABC Traveling Fellows,” American Orthopaedic Association-ABC Traveling Fellowship, Royal College of Surgeons, London, England, May 10, 2001.

“Forearm and DRUJ Fractures/Dislocations,” 18th Annual Meeting of the Orthopaedic Trauma Association, Toronto, Ontario, Canada, October 11-13, 2002.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: INTERNATIONAL

"Arthroscopic Surgery of the Hip: The Arthroscopic Evaluation of Avascular Necrosis," Orthopaedic Grand Rounds at the University of British Columbia, Vancouver, British Columbia, Canada, February 27, 2002.

"Internal Fixators: When and How to Use Them," Emerging Trends Orthopaedic Symposium: Upper Extremity, Whistler, British Columbia, March 5-8, 2003.

"Internal Fixators: When and How to Use them for Fractures/Dislocations About the Wrist," Emerging Trends Orthopaedic Symposium: Upper Extremity, Whistler, British Columbia, February 27, 2004.

"The Posterolateral Plica: A Cause for Lateral Elbow Pain in Athletes," Congress of Greek Arthroscopy Association, Athens, Greece, June 17, 2005.

"What Arthroscopy Has Taught Us About Wrist Fractures," Congress of Greek Arthroscopy Association, Athens, Greece, June 17, 2005.

"Upper Extremity Fractures I: Shoulder, Shaft and Elbow," Orthopaedic Trauma Association 21st Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005.

"Humerus Cloverleaf Plate vs. Locked Proximal Humerus Plate," Orthopaedic Trauma Association 21st Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005.

"Upper Extremity Fractures II: Forearm, Wrist and Hand," Orthopaedic Trauma Association 21st Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005.

"Forearm and DRUJ Fractures/Dislocations," Orthopaedic Trauma Association 21st Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005.

"Small Group Discussions (Upper Extremity)," Orthopaedic Trauma Association 21st Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005.

"Forearm and Distal Radius Fractures Lab," Orthopaedic Trauma Association 21st Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005.

"Volar Plating for Distal Radius Fractures," Orthofix Course on Upper Extremity, Verona, Italy, November 28-29, 2005.

"Electro-Magnetic Fields In the Treatment of Non-Union," Orthofix Course on Upper Extremity, Verona, Italy, November 28-29, 2005.

"Complications Associated with the Operative Treatment of Distal Radius Fractures," Orthofix Course on Upper Extremity, Verona, Italy, November 28-29, 2005.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: INTERNATIONAL

“A New Approach for Trigger Finger Release,” Orthofix Course on Upper Extremity, Verona, Italy, November 28-29, 2005.

“Locking Plates,” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

“Elbow Dislocation. The Terrible Triad,” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

“Radial Head Fractures. Fix, Replace, or Remove?” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

“Proximal Humerus and Diaphysis,” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

“Distraction Plating,” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

“Arthroscopy of the Wrist,” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

“Distal Radius,” Edinburgh International Trauma Symposium and International Instructional Trauma Course, Edinburgh, Scotland, August 14-18, 2006.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

Naylor PT, Ruch DS, Gristina AG. "Characterization of Plasma Fibronectin Binding to Orthopaedic Biomaterials," Orthopedic Research Society, New Orleans, Louisiana, 1989.

Pope T, Ruch DS, Curl WW, et. al. "MRI of the Coracoacromial Ligament Following Subacromial Decompression: a Cadaveric Study," Radiological Society of North America, Chicago, 1991.

Poehling GG, Ruch DS, Chabon S. "The Role of Wrist Arthroscopy in the Treatment of Ligamentous Injuries," Instruction Course at the American Society for Surgery of the Hand 1991 Meeting, Orlando, Florida, 1991.

Ruch DS, Poehling FF, Chabon S. "Partial Scapholunate Tears," American Academy of Orthopaedic Surgeons, San Francisco, February 21, 1993.

Ruch DS, Poehling GG, Chabon S. "An Arthroscopic Technique for the Repair of Triangular Fibrocartilage Lesions," American Society for Surgery of the Hand, Kansas City, Missouri, September 1993.

Ruch DS, Poehling GG, Chabon S, Hosseinian A. "Results of Arthroscopic Debridement of Partial Wrist Intrinsic Ligament Injuries," American Society for Surgery of the Hand, Kansas City, Missouri, September 1993.

Siegel DB, Ruch DS, Jupiter S. "Post Traumatic Osteoarthritis in a New Rabbit Knee Model," Richard Smith Memorial Lecture Series, Boston, Massachusetts, October 1993.

Ruch DS, Siegel DB, Jupiter J. "Post Traumatic Osteoarthritis: Establishment of a New Model," Orthopaedic Trauma Association, New Orleans, Louisiana, November 1993.

Ruch DS, Siegel DB, Jupiter J. "The Effect of Timing of Internal Fixation on the Induction of Post Traumatic Arthritis," American Academy of Orthopaedic Surgery Meeting, New Orleans, Louisiana, March 1994.

Levin LS, Ruch DS. "Approaches to Digits and Phalanges," American Orthopaedic Hand Course, Maui, Hawaii, May 1994.

"Anatomy and Pathophysiology of the Intrinsic Muscles and Digital Extensor Mechanism," American Society for Surgery of the Hand Regional Review Course in Hand Surgery," Durham, North Carolina, October 1994.

Pollock D, Neal B, Ruch DS, Koman LA. "Symptomatic and Functional Assessment of Allograft Umbilical Vein Wrapping for Dystrophic Median Nerve Dysfunction," American Society for Surgery of the Hand, Cincinnati, Ohio, October 1994.

Ruch DS, Day B, Poehling GG, Savoie FH. "Articular Cartilage Lesions of the Elbow," American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, Florida, February 1995.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

Ruch DS, Savoie F. "Methods Used in Elbow Release: Anterior Capsule and Olecranon Fossa," American Academy of Orthopaedic Surgery, Orlando, Florida, February 17, 1995.

Ruch DS, Poehling GG. "Arthroscopic Anatomy of the Wrist. Master's Experience Course on Wrist Arthroscopy," Chicago, Illinois, March 1995.

"Thrower's Elbow," Perspectives on Small Joint Arthroscopy Course, American Academy of Orthopaedic Surgeons, Rosemont, Illinois, April 1995.

Koman LA, Ruch DS, Smith TL, Smith BP, Fulcher M, Holden M. "Arterial Reconstruction in the Ischemic Hand and Wrist: Effects on Microvascular Physiology and Quality of Life," 50th Annual Meeting of the American Society for Surgery of the Hand, San Francisco, California, September 1995.

Ruch DS, Spinner RM, Koman LA, Challa VR, O'Farrell D, Levin LS. "The Histologic Effects of Barrier Vein Wrapping of Peripheral Nerve," 50th Annual Meeting of the American Society for Surgery of the Hand, San Francisco, California, September 1995.

"Wrist Arthroscopy," American Academy of Orthopaedic Surgery 1995 Summer Institute, Boston, Massachusetts, September 1995.

"Elbow Arthroscopy," American Academy of Orthopaedic Surgery 1995 Summer Institute, Boston, Massachusetts, September 1995.

"Open Triangular Fibrocartilage Repair," American Academy of Orthopaedic Surgeons, Summer Institute. Boston, Massachusetts, September 10, 1995.

"Articular Cartilage Lesions of the Elbow," American Academy of Orthopaedic Surgeons 63rd Annual Meeting, Atlanta, Georgia, February 26, 1996.

Ruch DS, Savoie F. "Methods Used in Elbow Release: Anterior Capsule and Olecranon Fossa," American Academy of Orthopaedic Surgeons 63rd Annual Meeting, Atlanta, Georgia, February 26, 1996.

"One Stage Myo-Osseous Reconstruction Using a Free Fibula - FHL Graft," Limb Salvage & Reconstruction: A Multi-Disciplinary Approach, Seattle, Washington, May 11, 1996.

Ruch DS, Marr AW, Koman LA. "Correlation of Arteriography with Scanning Laser Doppler," 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville, Tennessee, September 1996.

"Radial Carpal Portal Anatomy," 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville, Tennessee, September 1996.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Ligament Tears of the Radiocarpal Joint Debridement and Demonstration of Complete Acute Scapholunate Dissociation,” 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville, Tennessee, September 1996.

“Distal Ulnar Resection/Arthroscopic Wafer Procedure,” 51st Annual Meeting of the American Society for Surgery of the Hand. Nashville, Tennessee, September 1996.

“Midcarpal Portal Anatomy,” 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville, Tennessee, September 1996.

“Carpal Instabilities and Treatment Results,” 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville, Tennessee, September 1996.

Ruch DS, Marr AW. “Correlation of Arteriography with Scanning Laser Doppler,” Southern Orthopaedic Association, Baltimore, Maryland, November 1996.

Ruch DS, Poehling GG, Koman LA. “The Role of Arthroscopy in the Diagnosis and Staging of Osteonecrosis,” 11th American Orthopaedic Association International Symposium and 11th Bristol-Myers Squibb/Zimmer International Symposium, Duke University Medical Center, Durham, North Carolina, November 8, 1996.

Koman LA, Ruch DS, Harris P, Hutchings S, Poehling GG, Smith BP. “Treatment of Osteonecrosis of the Femoral Head by Free Vascularized Fibular Graft - Winston-Salem Experience,” American Orthopaedic Association, 12th International Symposium, Durham, North Carolina, November 1996.

Atallah N, Ruch DS, Koman LA, Slone S. “Cold Intolerance: Clinical Significance in Upper Extremity Disorders,” The American Association for Hand Surgery, Boca Raton, Florida, January 10, 1997.

Ruch DS, Koman LA. “One Stage Myo-Osseus Reconstruction Using a Free Fibula - Flexor Hallucis Longus Graft,” American Society for Reconstructive Microsurgery 12th Annual Meeting, Boca Raton, Florida, January 15, 1997.

Ruch DS, Poehling GG. “Elbow Arthroscopy: Diagnostic Techniques,” 64th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, California, February 14, 1997.

“Elbow Arthroscopy,” (Moderator) 64th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, California, February 14, 1997.

“Management of Articular Cartilage Lesions,” 64th Annual Meeting of the American Academy of Orthopaedic Surgery, San Francisco, California, February 14, 1997.

Wiesler E, Ruch DS. “Findings and Correlation with Radiographs in Kienbock 's Disease,” 4th Annual Residents & Fellows Arthroscopy Conference, New Orleans, Louisiana, March 22, 1997.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Fractures of the Pediatric Elbow,” From Elbow to Hand: A Comprehensive Review, American Academy of Orthopaedic Surgery, Williamsburg, Virginia, May 17, 1997.

Ruch DS, Aldridge JM, Koman LA. “The Management of Vaso-Occlusive Disease of the Radial Artery,” Eastern Orthopaedic Association 28th Annual Meeting, Scottsdale, Arizona, October 16, 1997.

“Arthroscopic Management of Triangular Fibrocartilage Complex Injuries,” Eastern Orthopaedic Association 28th Annual Meeting, Scottsdale, Arizona, October 16, 1997.

“The Arthroscopic Wafer Procedure,” Eastern Orthopaedic Association 28th Annual Meeting, Scottsdale, Arizona, October 16, 1997.

Ruch DS, Kuzma GR. “The Role of the Dorsal Radiocarpal Ligament in Wrist Stability,” American Association for Hand Surgery, Scottsdale, Arizona, January 8, 1998.

Ruch DS, Aldridge M, Holden M, Smith TS, Smith BP, Koman LA. “Radial Artery Reconstruction for Vaso-Occlusive Disease: Effects on Microvascular Physiology and Health-Related Quality of Life,” American Society for Reconstructive Microsurgery, Scottsdale, Arizona, January 10, 1998.

Marr A, Ruch DS. “Fixation of Three-Part Proximal Humerus Fractures,” American Orthopaedic Association Residents and Fellows Meeting, Sacramento, California, February 20-22, 1998.

Webb LX, Argenta L, Lange RH, Ruch DS, Teasdall RD, Ward W, Mooney JF, Morykwas M, DeFranzo A, Molnar J, Marks M. “Vacuum Assisted Wound Closure (VAC) - a Preliminary Report in 43 Patients,” 65th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, March 19-23, 1998.

“Nerve Repair and Grafting,” From the Elbow to the Hand: A Current, Practical Approach to Problem Solving, American Academy of Orthopaedic Surgery Comprehensive Course, San Antonio, Texas, April 2, 1998.

“Fractures of the Humerus,” From the Elbow to the Hand: A Current, Practical Approach to Problem Solving,” American Academy of Orthopaedic Surgery Comprehensive Course, San Antonio, Texas, April 2, 1998.

“Fracture and Dislocation of the Elbow in Children,” From the Elbow to the Hand: A Current, Practical Approach to Problem Solving, American Academy of Orthopaedic Surgery Comprehensive Course, San Antonio, Texas, April 2, 1998.

“Complex Regional Pain Syndrome,” From the Elbow to the Hand: A Current, Practical Approach to Problem Solving, American Academy of Orthopaedic Surgery Comprehensive Course, San Antonio, Texas, April 2, 1998.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Ulnar Artery Thrombosis,” From the Elbow to the Hand: A Current, Practical Approach to Problem Solving, American Academy of Orthopaedic Surgery Comprehensive Course, San Antonio, Texas, April 2, 1998.

Menth-Chiari WA, Wiesler E, Ruch DS, Poehling GG. “Arthroscopic Treatment of Kienbock’s Disease,” Arthroscopy Association of North America 1998 Annual Meeting, Orlando, Florida, May 2, 1998.

Sekiya JK, Ruch DS, Hunter DM, Pope Jr TL, Koman LA, Poehling GG, Russell G. “The Role of Arthroscopy in the Diagnosis and Staging of Osteonecrosis,” Michigan Orthopaedic Society Annual Meeting, Mackinac Island, Michigan, June 12-14, 1998.

“Complications,” New Millennium Hand Surgery Group, San Diego, California, June 1998.

“Lumps, Bumps, and Masses,” New Millennium Hand Surgery Group, San Diego, California, June 1998.

“Flexor Tendons,” New Millennium Hand Surgery Group, San Diego, California, June 1998.

Ruch DS, Kuzma GR. “The Role of the Dorsal Radiolunate Triquetral Ligament and Dorsal Capsule in Wrist Instability.” 3rd Triennial International Hand and Wrist Biomechanics Symposium, Minneapolis, Minnesota, September 9, 1998.

Ruch DS, Li Z, Holden M, Koman LA, Smith BP, Smith TL. “The Effect of Peripheral Nerve Transection on Autonomic Vasomotor Function,” American Society for Surgery of the Hand 53rd Annual Meeting, Minneapolis, Minnesota, September 12, 1998.

Sekiya JK, Ruch DS, Hunter DM, Pope Jr TL, Koman LA, Poehling GG, Russell G. “The Role of Arthroscopy in the Diagnosis and Staging of Osteonecrosis,” Clinical Orthopaedic Society, New Orleans, Louisiana, September 30 - October 3, 1998.

“Injuries to the TFCC,” co-presenter, American Association of Hand Surgery Annual Meeting, January 1999.

“The Role of Hip Arthroscopy in the Evaluation and Treatment of AVN,” American Academy of Orthopaedic Surgeons, Anaheim, California, February 4, 1999.

“Arthroscopic Treatment of Distal Radius Fractures,” American Academy of Orthopaedic Surgeons, Anaheim, California. February 7, 1999.

“Tendon Transfers in the Upper Extremities,” New Millennium Hand Surgery Group, Williamsburg, Virginia, April 1999.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

Ruch DS, Carey JW, Poehling GG. "The Arthroscopic Management of Avascular Necrosis of the Capitellum in Children, International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Congress," Washington, DC, May 31, 1999.

Ruch DS, Smith BP, Koman LA, Holden M. "Periarterial Sympathectomy in Scleroderma Patient: Long-Term Follow-Up," American Society for Surgery of the Hand, September 3, 1999.

"Recurrent Compressive Neuropathy: Treatment Options," American Society for Surgery of the Hand, September 3, 1999.

"Trauma-Advanced Techniques in Distal Radius Fracture Management: Surgical Demonstration," American Society for Surgery of the Hand, September 2, 1999.

Williams R, Chang DS, Webb LX, Ruch DS. "Assessment of Outcome Following Intra-Articular Distal Humerus Fractures Using the Dash Form," Orthopaedic Trauma Association, October 22, 1999.

"Hand and Wrist Problems and Reconstructions," American Academy of Orthopaedic Surgeons Review Course, San Francisco, California, November 13, 1999.

"Outcomes in Hip Arthroscopy," American Academy of Orthopaedic Surgeons, Orlando, Florida, March 15, 2000.

"Open Scapholunate Ligament Repair with Percutaneous Pinning," American Society for Surgery of the Hand Specialty Day, Orlando, FL, March 18, 2000.

"Bicondylar Fracture," AO/ASIF Hand and Wrist Fracture Course, Colorado Springs, Colorado, March 25, 2000.

"Surgical Management of Extremity Vaso-Occlusive Disease," Institut de Chinurgerie du Main, New Millennium Hand Club, Paris, France. May 4, 2000.

"The Effect of Traction on Complications Associated with Hip Arthroscopy," Southern Orthopaedic Association, Southampton, Bermuda. July 20-22, 2000.

"Tumors of the Upper Extremity," Comprehensive Review Course: American Society for Surgery of the Hand, Dallas, Texas, July 27, 2000.

"Management of Upper Extremity Pain," Comprehensive Review Course: American Society for Surgery of the Hand, Dallas, Texas. July 27, 2000.

"Arthroscopic Management of TFCC Tears," American Society for Surgery of the Hand, Rosemont, Illinois. August 4, 2000.

"External Fixation of Distal Radius Fractures," Orthofix, Inc., New York, New York. August 26, 2000.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“External Fixation for Elbow Instability,” Orthofix, Inc., New York, New York. August 26, 2000.

Williams R, Ruch DS. “Palmar Plating of the Lunate Facet,” Adrian E. Flatt Residents and Fellows Conference in Hand Surgery at the American Society for Surgery of the Hand, Seattle, Washington. October 4, 2000.

Bliss M, Ruch DS. “Efficacy of Carpal Tunnel Release Following 3 Techniques,” Adrian E. Flatt Residents and Fellows Conference in Hand Surgery at the American Society for Surgery of the Hand, Seattle, Washington. October 4, 2000.

“Radiocarpal Arthroscopic Features of Instability/Surgical Demonstration (Lecture & video),” American Society for Surgery of the Hand, Seattle, Washington, October 5, 2000.

“Ulnar-Sided Wrist Injury,” American Society for Surgery of the Hand, Seattle, Washington. October 6, 2000.

Williams RMM, Ruch DS, Dickerson EA. “A Biomechanical Comparison of Olecranon Fixation Techniques,” American Society for Surgery of the Hand, Seattle, Washington. October 3-8, 2000.

“Radiocarpal Arthroscopic Features of Instability,” American Society for Surgery of the Hand, Seattle, Washington, October 5, 2000.

“Limited Incision Techniques for Distal Radius Fracture Management,” American Society for Surgery of the Hand, Seattle, Washington. October 6, 2000.

“Instability and Related Ligament and Bony Injuries of the Elbow,” American Academy of Orthopaedic Surgeons, Marco Island, FL. October 26, 2000.

“Elbow Osteochondral Lesion-The Role of Arthroscopy,” American Academy of Orthopaedic Surgeons, Marco Island, Florida, October 26, 2000.

“Wrist Anatomy,” American Academy of Orthopaedic Surgeons, Marco Island, FL. October 27, 2000.

“Use of External Fixation in Distal Radius Fractures,” American Academy of Orthopaedic Surgeons. Marco Island, Florida, October 27, 2000.

Ruch DS, Williams, RW. “Results of Acute Arthroscopically Repaired TFCC Injuries Associated with Intraarticular Distal Radius Fractures,” American Association for Hand Surgery/American Society for Reconstructive Microsurgery, San Diego, California, January 11, 2001.

Ruch DS, Triepel C. “Articulated External Fixation of the Elbow for Recurrent Instability Following Fracture Dislocation,” American Association for Hand Surgery, January 14, 2001.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

Ruch DS, Triepel C. "Scapholunate and Dorsal Intercarpal Ligament Repair for the Treatment of Complete Static Scapholunate Dissociation," American Association for Hand Surgery, January 11, 2001.

Ruch DS, Yang CC, Williams RM. "Acute Arthroscopic Repair of TFCC Injuries Associated with Intraarticular Distal Radius Fractures," American Association for Hand Surgery, San Diego, California, January 12, 2001.

Smith AM, Ruch DS, Koman LA. "The Use of Hinged External Fixators to Facilitate Primary Neurorraphy in Lower Extremity Injuries," American Society for Reconstructive Microsurgery, January 10-15, 2001.

"Fractures of the Distal Humerus," Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 9-12, 2001.

"Arterial Radial Head Resections," Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 9-12, 2001.

"Surgery for Lateral Epicondylitis: Arthroscopic and Percutaneous Techniques," Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 9-12, 2001.

"Role of Arthroscopy in Athletic Elbow Injuries," Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 9-12, 2001.

"The Report of the ABC Traveling Fellows," American Orthopaedic Association-Annual Meeting, Palm Beach, Florida, June 13, 2001.

"Get to Know Your Cadaver-Diagnostic Wrist Arthroscopy, Radiocarpal Space, Midcarpal, and Distal Radioulnar," American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

"TFCC Repair," American Academy of Orthopaedic Surgeons, Summer Skills Institute, San Diego, CA, September 6-7, 2001.

"TFCC Repair-Peripheral Radial/Ulnar Repair," American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

"TFCC and Ulnar Shortening," American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

"Arthroscopic Management, S-L Instability, L-T Instability, and Radial Styloidectomy," American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Arthroscopic Management of Acute/Chronic Instability,” American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

“Arthroscopic Distal Radius and Scaphoid Fractures,” American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

“Thumb Metacarpal Arthroscopy and Ganglionectomy,” American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

“Indications, Techniques, and Results of Arthroscopic Ganglionectomy,” American Academy of Orthopaedic Surgeons Summer Skills Institute, San Diego, California, September 6-7, 2001.

“Fractures (Breakout session),” 56th Annual Meeting, American Society for Surgery of the Hand, Baltimore, Maryland, October 3-6, 2001.

Bliss MS, Ruch DS, Seal CN. “Change in Volume of the Carpal Canal Following Endoscopic, Mini-Incision and Open Releases,” 56th Annual Meeting, American Society for Surgery of the Hand, Baltimore, Maryland, October 3-6, 2001.

Ritter MR, Ruch DS. “TFCC Repair: A Comparison of Capsular Implantation and Bone Sutures,” American Society for Surgery of the Hand, Baltimore, Maryland, October 3-6, 2001.

Ruch DS, Vallee JA. “Arthroscopically Assisted Versus Fluoroscopically Assisted Reduction and External Fixation of Distal Radius Fractures,” 56th Annual Meeting, American Society for Surgery of the Hand, Baltimore, Maryland, October 4-6, 2001.

Urbanosky LR, Ruch DS, Koman LA. “Complications in Distal Radius Fractures Treated with External Fixation: Effect of Columnar Stability on Ultimate Shortening of the Distal Radius,” 56th Annual Meeting, American Society for Surgery of the Hand, Baltimore, Maryland, October 4-6, 2001.

Howe D, Vallee J, Ruch DS. “The Role of Supination in Reduction of the Distal Radioulnar Joint Following Intra-Articular Distal Radius Fracture,” 56th Annual Meeting, American Society for Surgery of the Hand, Baltimore, Maryland, October 4-6, 2001.

“Fractures of the Distal Radius,” 2001 Residents Basic Fracture Course, Orthopaedic Trauma Association, San Diego, California, October 17-18, 2001.

“Reduction Techniques Instructional Exercise,” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise I-Absolute Stability (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Practical Exercise II- Relative Stability (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise III-Preop Stability (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise IV: Fixation of Radius/Ulna and Olecranon,” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise V-Intermedullary Nailing (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise VI-Ankle Fractures (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise VII-Fractures of the Hip (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Practical Exercise VIII-Distal Femoral Fracture (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina,” October 25-28, 2001.

“Practical Exercise IX-External Fixation (Lab),” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Radius/Ulna Fractures,” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Distal Radius Fractures,” AO ASIF Principles of Fracture Management Course for Residents, Charleston, South Carolina, October 25-28, 2001.

“Arthritis,” 20th Fall Course (#101), Arthroscopy Association of North America, San Antonio, Texas, November 29- December 2, 2001.

“Intraarticular Distal Radius Fractures: Internal Versus External Fixation and the Role of Arthroscopy,” Orthopaedic Grand Rounds, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, January 9, 2002.

“The Orthofix Radiolucent Wrist Fixator: A Surgeon's View,” Orthofix, Inc. National Sales Meeting, Fort Myers, Florida, January 10-13, 2002.

“Wrist Arthroscopy,” 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, Texas, February 13-17, 2002.

“Intra-articular Fractures of the Distal Radius and Ulna,” 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, Texas, February 13-17, 2002.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

Ruch DS, Smith AM. "Arthroscopic Resection of the Extensor Complex for Tennis Elbow: An Intra-articular Guide," 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, Texas, February 13-17, 2002.

Ruch DS, Smith AM. "The Radius Pull Test to Identify Longitudinal Instability of the Forearm," 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, Texas, February 13-17, 2002.

"Indications: CMC," Wrist Arthroscopy 2002, American Academy of Orthopaedic Surgeons, Mayo Clinic, Rochester, Minnesota, May 9-11, 2002.

"Internal Fixation of Distal Radius Fractures," 57th Annual Meeting of American Society for Surgery of the Hand, Phoenix, Arizona, October 3-5, 2002.

"Olecranon Fractures: Plate Versus Tension Band Versus Excision," 57th Annual Meeting of American Society for Surgery of the Hand, Phoenix, Arizona, October 3-5, 2002.

"New Directions in the Management of Distal Radius Fractures," Orthopaedic Grand Rounds, Washington University School of Medicine, St. Louis, Missouri, November 6, 2002.

"Current Concepts in the Management of Distal Radius Fractures (Moderator)," 70th Annual Meeting of the American Association of Orthopaedic Surgeons, New Orleans, Louisiana, February 5-9, 2003.

"Internal Fixation of Distal Radius Fractures: Management of DRUJ Injuries," 70th Annual Meeting of the American Association of Orthopaedic Surgeons, New Orleans, Louisiana, February 5-9, 2003.

"Intra-Articular Fractures of the Distal Radius and Ulna," 70th Annual Meeting of the American Association of Orthopaedic Surgeons, New Orleans, Louisiana, February 5-9, 2003.

"The Role of Arthroscopy in the Management of Distal Radius Fractures: How and Why," 70th Annual Meeting of the American Association of Orthopaedic Surgeons, New Orleans, Louisiana, February 5-9, 2003.

"New Directions in the Management of Distal Radius Fractures," Orthopaedic Grand Rounds, Allegheny General Hospital, Pittsburgh, Pennsylvania, February 25, 2003.

Demo: Diagnostic Arthroscopy. Solving the Riddle of the Wrist: Diagnosis, Management, and Rehabilitation," Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 7-9, 2003.
Arthroscopy 2003: Current Knowledge, New Horizons. Rosemont, Illinois, April 11-12, 2003.

Demo: Arthroscopic Peripheral Triangular Fibrocartilage Repair. Solving the Riddle of the Wrist: Diagnosis, Management, and Rehabilitation, Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 7-9, 2003.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

Moderator. Wrist

"Arthroscopic Treatment of Scapholunate Instability." Wrist Arthroscopy 2003: Current Knowledge, New Horizons. Rosemont, Illinois, April 11-12, 2003.

Video Demo: Create Peripheral TFCC Tear. Wrist Arthroscopy 2003: Current Knowledge, New Horizons. Rosemont, Illinois, April 11-12, 2003.

Video Demo: Ulnar-sided Peripheral Repair. Wrist Arthroscopy 2003: Current Knowledge, New Horizons. Rosemont, Illinois, April 11-12, 2003.

"Arthroscopically Assisted Treatment of Distal Radius Fractures." Wrist Arthroscopy 2003: Current Knowledge, New Horizons. Rosemont, Illinois, April 11-12, 2003.

"Distal Humerus Fractures: ORIF." 3rd Annual AAOS/OTA Trauma Course: Current Concepts and Practical Solutions. Orlando, Florida, April 24-27, 2003.

"Olecranon Fractures." 3rd Annual AAOS/OTA Trauma Course: Current Concepts and Practical Solutions. Orlando, Florida, April 24-27, 2003.

"Bone Graft Substitutes." 3rd Annual AAOS/OTA Trauma Course: Current Concepts and Practical Solutions. Orlando, Florida, April 24-27, 2003.

"An Algorithmic Approach to Disorders of the DRUJ," 58th Annual Meeting of American Society for Surgery of the Hand, Chicago, Illinois, September 18-20, 2003.

"Ulnar-Sided Injury," 58th Annual Meeting of American Society for Surgery of the Hand, Chicago, Illinois, September 18-20, 2003.

"Complications of Distal Radius Fractures," 58th Annual Meeting of American Society for Surgery of the Hand, Chicago, Illinois, September 18-20, 2003.

"Moderator: Upper Extremity: Forearm, Wrist, and Hand," Residents' Basic Fracture Course, 19th Annual Meeting of Orthopaedic Trauma Association, Salt Lake City, Utah, October 9-11, 2003.

"Upper Extremity Introduction," Residents' Basic Fracture Course, 19th Annual Meeting of Orthopaedic Trauma Association, Salt Lake City, Utah, October 9-11, 2003.

"Forearm and DRUJ Fractures/Dislocations," Residents' Basic Fracture Course, 19th Annual Meeting of Orthopaedic Trauma Association, Salt Lake City, Utah, October 9-11, 2003.

"Small Group Discussion Leader: Upper Extremity Fractures and Injuries of the Hand," Residents' Basic Fracture Course, 19th Annual Meeting of Orthopaedic Trauma Association, Salt Lake City, Utah, October 9-11, 2003.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

"Scaphoid Repair," Surgery of the Upper Extremity: A Symposium of Current Techniques, New York City, NY, December 12-14, 2003.

"Wrist Arthroscopy Advances," Surgery of the Upper Extremity: A Symposium of Current Techniques, New York City, NY, December 12-14, 2003.

"X-Ray Review: Challenges in Surgery of the Upper Extremity," Surgery of the Upper Extremity: A Symposium of Current Techniques, New York City, NY, December 12-14, 2003.

"Percutaneous Scaphoid Fixation," Surgery of the Upper Extremity: A Symposium of Current Techniques, New York City, NY, December 12-14, 2003.

"Arthroscopic Resection of the Radial Head," Surgery of the Upper Extremity: A Symposium of Current Techniques, New York City, NY, December 12-14, 2003.

"Distal Radius Fractures-Is the Cast Obsolete?" Problem Fractures and Reconstructive Challenges, Upper Extremity Course I, Vail, Colorado, January 19-20, 2004.

"Unstable Distal Radius Fractures: Ex-Fix is the Way to Go!" Problem Fractures and Reconstructive Challenges, Upper Extremity Course I, Vail, Colorado, January 19-20, 2004.

" Intra-Articular Fractures of the Distal Radius & Ulna," 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, California, March 10-13, 2004.

"Current Concepts in the Management of Distal Radius Fractures," 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, California, March 10-13, 2004.

"Distal Radius Arthroscopy" 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, California, March 10-13, 2004.

Moderator, "Group II Lectures," AAOS/ASSH Annual Wrist Arthroscopy Course, Rosemont, Illinois, August 7-8, 2004.

"Case Presentations," AAOS/ASSH Annual Wrist Arthroscopy Course, Rosemont, Illinois, August 7-8, 2004.

"Arthroscopic Distal Radius Fractures," AAOS/ASSH Annual Wrist Arthroscopy Course, Rosemont, Illinois, August 7-8, 2004.

"TFCC Debridement/Wafer Ulnar Debridement AAOS/ASSH Annual Wrist Arthroscopy Course, Rosemont, Illinois, August 7-8, 2004.

"Debate #2: Arthroscopy in the Treatment of Scapholunate Instability, Incl. RASL," 59th Annual Meeting of the American Society for Surgery of the Hand, New York, New York, September 9-11, 2004.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

"Arthroscopic Debridement for Treatment of Scaphoid Non-Union & Kienbock's," 59th Annual Meeting of the American Society for Surgery of the Hand, New York, New York, September 9-11, 2004.

"SLAC Wrist: PRC v. 4-Bone Fusion," 59th Annual Meeting of the American Society for Surgery of the Hand, New York, New York, September 9-11, 2004.

Panelist to discuss "Failed Osteosynthesis About the Elbow," 59th Annual Meeting of the American Society for Surgery of the Hand, New York, New York, September 9-11, 2004.

"Elbow Fractures Symposium: Fractures of the Distal Humerus in the Elderly - ORIF v. Replacement," 59th Annual Meeting of the American Society for Surgery of the Hand, New York, New York, September 9-11, 2004.

Faculty: "Distal Humerus Fractures," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

Moderator: "Upper Extremity Fractures Part I: Shoulder, Shaft, and Elbow," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

Faculty: "Distal Radius Fractures," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

Faculty: "Upper Extremity Fractures Part II," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

Moderator: "Upper Extremity Fractures and Injuries," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

"Forearm and DRUJ Fracture/Dislocations," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

Faculty: "Upper Extremity Fractures," 20th Annual Meeting of the Orthopaedic Trauma Association, Ft Lauderdale, Florida, October 8-10, 2004.

"Isolated Ulnar Fractures: Is Fixation Necessary?" 19th Annual Vail Orthopaedic Symposium, Vail, Colorado, January 18-20, 2005.

"Chronic Carpal Collapse: Can It Be Salvaged?" 19th Annual Vail Orthopaedic Symposium, Vail, Colorado, January 18-20, 2005.

Lab Assistant: "Distal Radius Fractures," 19th Annual Vail Orthopaedic Symposium, Vail, Colorado, January 18-20, 2005.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

"Fragmented Fractures of the Radial Head: Prostheses Work Better," 19th Annual Vail Orthopaedic Symposium, Vail, Colorado, January 18-20, 2005.

"Radial Nerve Injury with Humeral Fractures: Management Considerations," 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 22-25, 2005.
Co-Moderator: "Trauma 1: Upper Extremity," 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 22-25, 2005.

"Intra-Articular Fractures of the Distal Radius and Ulna," 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 22-25, 2005.

Moderator: "Top 5 Surgical Procedures: Pearls & Pitfalls," 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 22-25, 2005.

"How I Approach Lateral Epicondylitis," 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 22-25, 2005.

"What's New in the Management in Fractures of the Distal Radius," 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 22-25, 2005.

Cadaver Demo: "Arthroscopic Radial Head Resection," The Elbow: An Unforgiving Joint, Hand Rehabilitation Foundation, Philadelphia, Pennsylvania, March 5, 2005

"Pre-Operative Planning of the Forearm," Principles of Operative Fracture Management Courses, AO ASIF, Sun Valley Idaho, March 13-18, 2005.

"ORIF Distal Humerus Fractures and Complications," Principles of Operative Fracture Management Courses, AO ASIF, Sun Valley Idaho, March 13-18, 2005.

"Elbow Arthroscopy for Lateral Elbow Pain," Pre-course for the American Society of Surgery for the Hand Annual Meeting, San Antonio, Texas, September 21-25, 2005.

Presentation of the Annual Boyes Award, American Society of Surgery for the Hand Annual Meeting, San Antonio, Texas, September 21-25, 2005

"ASSH Advanced Techniques in Elbow Surgery," Orthopaedic Learning Center, Rosemont, Illinois, October 14-15, 2005.

"Elbow Instability," University of Cincinnati Visiting Professor, Cincinnati, Ohio, October 25-26, 2005.

"Management of Distal Radius Fractures," University of Cincinnati Visiting Professor, Cincinnati, Ohio, October 25-26, 2005.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

AO North America Musculoskeletal Trauma Faculty Development Forum, Scottsdale, Arizona, November 10-13, 2005.

“Isolated Ulnar Fractures: Is Fixation Necessary?” 20th Annual Vail Orthopaedic Symposium Upper Extremity Trauma Course, Vail, Colorado, January 18-20, 2006.

“Bioskills Activity: Internal and External Fixation of Distal Radius Fractures,” 20th Annual Vail Orthopaedic Symposium Upper Extremity Trauma Course, Vail, Colorado, January 18-20, 2006.

“Chronic Carpal Collapse: Can It Be Salvaged?” 20th Annual Vail Orthopaedic Symposium Upper Extremity Trauma Course, Vail, Colorado, January 18-20, 2006.

“Diagnosis of Chronic Wrist Pain,” Desperate Surgeons: Coping with the Complex Wrist, Philadelphia, Pennsylvania, March 18-20, 2006.

“Denervation,” Desperate Surgeons: Coping with the Complex Wrist, Philadelphia, Pennsylvania, March 18-20, 2006.

“Acute Perilunate/Lunate Injury,” Desperate Surgeons: Coping with the Complex Wrist, Philadelphia, Pennsylvania, March 18-20, 2006.

“Zimmer Orthopaedic Devices Bioskills Lab,” Desperate Surgeons: Coping with the Complex Wrist, Philadelphia, Pennsylvania, March 18-20, 2006.

“Arthroscopic Repair of the Peripheral Triangular Fibrocartilage,” Desperate Surgeons: Coping with the Complex Wrist, Philadelphia, Pennsylvania, March 18-20, 2006.

“Top 5 Surgical Procedures: Pearls and Pitfalls for the General Orthopaedic Surgeon,” 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, Illinois, March 22-26, 2006.

“The Smashed Distal Radius Fracture,” 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, Illinois, March 22-26, 2006.

“DRUJ Injury Associated with DR Fracture –The Forgotten Joint,” 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, Illinois, March 22-26, 2006

“Volar Plating of Distal Radius Fractures,” AAOS Current Options in the Treatment of Wrist Fractures, Chicago, IL, May 19-20, 2006.

“Lunatotriquetral Instability,” AAOS Current Options in the Treatment of Wrist Fractures, Chicago, IL, May 19-20, 2006.

Chair, Specialty Day Program Committee, American Society for Surgery of the Hand Annual Meeting, Washington, DC, September 6-9, 2006.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“External Fixation for DRUJ Instability,” American Society for Surgery of the Hand Annual Meeting, Washington, DC, September 6-9, 2006.

“Advances in Bony Surgery of the Wrist and Hand,” American Society for Surgery of the Hand Annual Meeting, Washington, DC, September 6-9, 2006.

“Lateral Epicondylitis: Point/Counterpoint. Open Release vs. Arthroscopic Release,” American Society for Surgery of the Hand Annual Meeting, Washington, DC, September 6-9, 2006.

“Upper Extremity Fractures Part I: Clavicle, Shoulder and Humeral Shaft,” Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, AZ, October 5-7, 2006.

“Controversies in the Management of Distal Radius Fractures,” Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, AZ, October 5-7, 2006.

“Conventional Fracture in a Middle Aged Patient,” Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, AZ, October 5-7, 2006.

“Upper Extremity Fractures Part II: Forearm, Wrist and Elbow,” Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, AZ, October 5-7, 2006.

“Forearm Fractures,” Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, AZ, October 5-7, 2006.

“Upper Extremity,” Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, AZ, October 5-7, 2006.

“Distal Radial Malunion – When and How Should This be Fixed,” 21st Annual Vail Orthopaedic Symposium Advanced Trauma Update, Vail, Colorado, January 17-21, 2007.

“Chronic Scaphoid Nonunion – Fixation vs. Salvage,” 21st Annual Vail Orthopaedic Symposium Advanced Trauma Update, Vail, Colorado, January 17-21, 2007.

Motor Skills Lab: Distal Radius Fracture, 21st Annual Vail Orthopaedic Symposium Advanced Trauma Update, Vail, Colorado, January 17-21, 2007.

Motor Skills Lab: Locking Plates for Diaphyseal Bone Loss, 21st Annual Vail Orthopaedic Symposium Advanced Trauma Update, Vail, Colorado, January 17-21, 2007.

“Lateral Epicondylitis: Open Release and Radial Tunnel,” 9th Annual Hand Surgery Symposium: Strategies for Success in the Business of Hand Surgery, Philadelphia, Pennsylvania, February 24-26, 2007.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Advances in Arthroscopy,” Mayo Clinic - Disorders of the Wrist, Rochester, Minnesota, May 17-20, 2007.

“Limits of Arthroscopic Repair, Chronic Injuries,” Mayo Clinic - Disorders of the Wrist, Rochester, Minnesota, May 17-20, 2007.

Surgical Demonstration – “Distal Scaphoid Resection Interpositional Arthroplasty,” Mayo Clinic - Disorders of the Wrist, Rochester, Minnesota, May 17-20, 2007.

“Osseus Trauma – Distal Radius Fractures: Arthroscopy,” Mayo Clinic - Disorders of the Wrist, Rochester, Minnesota, May 17-20, 2007.

“Osseus Trauma – Distal Radius Fractures: Internal Bridge Plate Vs. External Fixation,” Mayo Clinic - Disorders of the Wrist, Rochester, Minnesota, May 17-20, 2007.

Ruch DS. “Complex Distal Radius Fractures: Utilizing Zimmer ® Periarticular Locking Plates and Wristor TM*,” The Office: Strategies for Success in the Business of Hand Surgery, Philadelphia, PA, February 24-26 2007.

Ruch DS. “Open Release and Radial Tunnel,” The Office: Strategies for Success in the Business of Hand Surgery, Philadelphia, PA, February 24-26 2007.

Culp RW, Ruch DS, Blackmore SM, Wolff AL. “Management of Elbow Fractures,” The Office: Strategies for Success in the Business of Hand Surgery, Philadelphia, PA, February 24-26 2007.

Ruch DS. “Debate: Tennis Elbow: Open vs. Arthroscopic,” Advanced Techniques in Elbow Surgery, Rosemont, IL, April 13-14, 2007.

Ruch DS. “Distal Radius Fractures/ORIF Volar,” Zimmer Trauma Update Meeting, New York, NY, November 30-December 1, 2007.

Ruch DS. “Radial Head Fractures – Simple and Complex,” Zimmer Trauma Update Meeting, New York, NY, November 30-December 1, 2007.

“First Annual Upper Extremity Think Tank Meeting,” Beaver Creek, CO, January 30-February 3, 2008.

Ruch DS. “TFCC Repair and Reconstruction: Surgical Options,” 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 5-9, 2008.

Moderator: “Precourse 5: Challenging Fractures of the Upper Extremity: Extending Our Reach,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

“The Essex-Lopresti Lesion: Identification and Current Recommendations for Management,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

EXTRAMURAL EDUCATION:

LECTURES AND ORAL PRESENTATIONS: NATIONAL

“Precourse 7: Upper Extremity Sports Injuries,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

“Precourse 9: Lateral Epicondylitis Surgery – Arthroscopic,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

“Symposium 4: Distal Radius Fractures: New Concepts in Treatment and Managing Complications,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

Moderator: “Paper 14: The Effect of an Unrepaired Ulnar Styloid Base Fracture on Outcome after Operative Treatment of Distal Radius Fractures,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

Moderator: “Paper 15: Minimising the Risk of Extensor Pollicis Longus Rupture following Volar Plate Fixation of Distal Radius Fractures: A Cadaveric Study,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

“Interactive Case Review 15 – Elbow Arthroscopy: Expanding Treatment and Staying Safe,” American Society for Surgery of the Hand 63rd Annual Meeting, Chicago, IL, September 16-20, 2008.

“Case Presentations: Elbow and Wrist Injuries,” Orthopaedic Trauma Association, Denver Annual Meeting, CO, October 16-18, 2008.

“Forearm Fracture Lab, Section 1,” Orthopaedic Trauma Association, Denver Annual Meeting, CO, October 16-18, 2008.

“Knotless Tendon Repair Utilizing a Barbed Suture,” Plastic Surgery 2008, Chicago, IL, October 31 – November 4, 2008 (presented by Dr. William T. McClellan)

“Synthes Hand and Upper Extremity Think Tank,” Vail, CO, January 21-25, 2009.

“Educational Session: Distal Radius Fractures – New Concepts in Treatment,” American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, February 25-28, 2009.

“Educational Session: Contemporary Perspectives in Distal Radius Fixation,” American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, February 25-28, 2009.

“What’s the Right Fixation for My Distal Radius Fracture?” American Academy of Orthopaedic Surgeons Annual Meeting Specialty Day, Las Vegas, NV, February 25-28, 2009.

FUTURE:

Program Chair, American Society for Surgery of the Hand Annual Meeting, San Francisco, CA, September 3-5, 2009.

EXTRAMURAL EDUCATION

LECTURES AND ORAL PRESENTATIONS: REGIONAL & LOCAL

“Replantation of Digits,” Surgical Sciences Core Curriculum, Duke University School of Medicine, September 1993.

Ruch DS, Urbaniak JR, Nunley JA. “Vascularized Bone Grafting for Scaphoid Non-Unions,” Bowman Gray Orthopaedic Surgery Alumni Meeting,” Sea Island, Georgia, May 1994.

“Evaluation and Management of Injuries to the Hand,” Bowman Gray Orthopaedic Surgery Alumni Meeting,” Winston Salem, North Carolina, November 1994.

“Acute Carpal Instability,” Southeastern Fracture Symposium, Greensboro, North Carolina, January 1996.

“Nerve Injury Repair--Timing and Tendon Transfers,” Southeastern Fracture Symposium, Greensboro, North Carolina, January 1996.

“Flexor Tendon Injuries,” Southeastern Fracture Symposium, Greensboro, North Carolina, January 1996.

Marr AW, Ruch DS, Challa VR, Holden MB, Koman LA. “Innervation Density of the Palm,” North Carolina Orthopaedic Association, Myrtle Beach, South Carolina, October 1996.

Webb LX, Argenta L, Ruch DS, Wagoner B, Mitchell I, Morykwas M. “The Use of Vacuum Assisted Closure in Wound Management,” North Carolina Orthopaedic Association, Myrtle Beach, South Carolina, October 1996.

Ruch DS, Marr AW, Challa V, Holden M. “Innervation Density of the Palm: the Quest for the Perfect Carpal Tunnel Release,” North Carolina Orthopaedic Association, Myrtle Beach, South Carolina, October 1996.

Koman LA, Atallah N, Ruch DS, Sloan SA, Powers AL. “Cold Intolerance: Clinical Significance in Upper Extremity Disorders,” North Carolina Orthopaedic Association, Myrtle Beach, South Carolina, October 1996.

Ruch DS, Koman LA, Poehling GG. “The Role of Arthroscopy in the Diagnosis and Staging of Osteonecrosis of the Femoral Head,” 12th American Orthopaedic Association International Symposium: The Etiology, Diagnosis, and Management of Osteonecrosis of the Human Skeleton, Durham, North Carolina, November 1996.

Koman LA, Ruch DS, Harris P, Hutchings S, Smith BP. “Treatment of Osteonecrosis of the Femoral Head by Free Vascularized Fibular Graft--Winston-Salem Experience,” 12th American Orthopaedic Association International Symposium: The Etiology, Diagnosis, and Management of Osteonecrosis of the Human Skeleton,” Durham, North Carolina, November 1996.

EXTRAMURAL EDUCATION

LECTURES AND ORAL PRESENTATIONS: REGIONAL & LOCAL

Ruch DS, Marr AW, Challa V, Holden M. "Innervation Density of the Palm: the Quest for the Perfect Carpal Tunnel Release," Southern Orthopaedic Association, Baltimore, Maryland, November 1996.

"VISI Collapse Following Repair of Scapholunate Ligament," Duke Hand Club, Sea Island, Georgia, May 7, 1997.

Koman LA, Ruch DS, Smith TL. "Brachial Artery Compromise Following Supracondylar Humerus Fracture," Duke Hand Club, Sea Island, Georgia, May 7, 1997.

"Biomechanical Rigidity Following Fixation of Proximal Humerus Fracture," Piedmont Orthopaedic Society, Sea Island, Georgia, May 8, 1997.

Cory JW, Ruch DS, Poehling GG. "Results of Arthroscopic Treatment of Avascular Necrosis of the Pediatric Elbow," North Carolina Orthopaedic Association, Charleston, South Carolina, September 27, 1997.

Koman LA, Ruch DS, Smith TL, Holden M, Aldridge JM. "The Effects of Arterial Reconstruction on Microvascular Flow and Health-Related Quality of Life," North Carolina Orthopaedic Association, Charleston, South Carolina, September 27, 1997.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, April 1998.

"The Role of the Dorsal Capsule and Radiolunotriquetral Ligament in Wrist Instability," Southeastern Hand Club, Atlanta, Georgia, April 17, 1998.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, July 1998.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, February, 1999.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, March 1999.

Ruch DS, Evans P. "The Effects of Ulnar-Sided Injury on Forearm Rotation Following Distal Radius Malunion," Management of Wrist Problems, The End of the Century Meeting, Philadelphia, Pennsylvania, March 8, 1999.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, May 1999.

"Non-Operative Management of Fractures of the Wrist: Indications and Pitfalls," Contemporary Management of Fractures of the Wrist and Elbow Course, June 18, 1999.

"External Fixation in the Wrist," Contemporary Management of Fractures of the Wrist and Elbow Course, June 18, 1999.

EXTRAMURAL EDUCATION

LECTURES AND ORAL PRESENTATIONS: REGIONAL & LOCAL

“Surgical Approach and Implant Selection,” Contemporary Management of Fractures of the Wrist and Elbow Course, June 18, 1999.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, June 1999.

Ruch DS. Orthofix International. Training seminar. Winston-Salem, North Carolina, December 1999.

“Palmar Plating of the Lunate Facet Combined with External Fixation for the Treatment of AO Type C₃ Fractures,” Southeastern Hand Club, Deer Valley, Utah, February 10, 2000.

“The Role of Arthroscopy in the Treatment of Distal Radius Fractures,” 2nd Annual Carolina Orthopaedic Trauma Symposium, UNC School of Medicine and Wake AHEC, Research Triangle Park (Raleigh), North Carolina, April 2000.

Ruch DS. Orthofix International. Training seminar. Distal Radius Fractures. Cadaver workshop. Winston-Salem, North Carolina, June 22, 2000.

“Distal Radius Fractures,” Orthofix, Inc., Winston-Salem, North Carolina. June 22, 2000.

“Fibular/FHL Myo-Osseus Flap Coverage; Limited Open Approaches to the Management of Distal Radius Fractures,” North Carolina Society for Surgery of the Hand, Southern Pines, North Carolina, September 8-10, 2000.

“Distal Radius Fractures,” Orthofix, Inc., Winston-Salem, North Carolina. September 14, 2000.

Moderator: “Intra-articular Distal Radius Fractures: Internal v fixation and the Role of Arthroscopy,”

UNC-Chapel Hill Department of Orthopaedic Surgery Grand Rounds, Chapel Hill, North Carolina. January 9, 2002.

“Upper Extremity Training Course,” Orthofix, Inc., Winston-Salem, North Carolina. August 5, 2002.

"Upper Extremity Training Course," Orthofix, Inc., Winston-Salem, North Carolina. October 1, 2003.

"Locking Fragment Specific Plates for Fixation of the Distal Radius," 27th Annual Meeting of the Southeastern Hand Club, Sea Island Georgia. April 3, 2004.

"Distal Radius Fracture Treatment Options/Complications," Principles of Operative Fracture Management Courses, AO ASIF, Sun Valley Idaho, March 13-18, 2005.

Moderator: "Practical Exercise VI: Distal Intra-Articular Humerus Fractures," Principles of Operative Fracture Management Courses, AO ASIF, Sun Valley Idaho, March 13-18, 2005.

EXTRAMURAL EDUCATION

LECTURES AND ORAL PRESENTATIONS: REGIONAL & LOCAL

ICL#3 "Arthroscopic Management of Intra-Articular Fractures," Fifth Biennial ISAKOS Congress, Hollywood, Florida, April 4, 2005.

"Distal Pole Excision for Symptomatic Nonunion of the Scaphoid Following Failed Treatment," Southeastern Hand Club Annual Meeting, Kiawah Island, South Carolina, April 9, 2005.

"Medial Collateral Ligament Release for Loss of Elbow Flexion," Southeastern Hand Club Annual Meeting, Kiawah Island, South Carolina, April 9, 2005.

"Synthes Treatment Options for Difficult Fractures: Advanced Technology Symposium," Durham, North Carolina, September 30-October 1, 2005.

"Synthes Treatment Options for Difficult Fractures: Advanced Technology Symposium," Durham, North Carolina, September 29-30, 2006.

"Distal Radius Fractures," Southeastern Fracture Symposium," Greensboro, North Carolina, January 11-13, 2007.

"Other Injuries about the Wrist: Scaphoid Fractures and Perilunate Dislocations," Southeastern Fracture Symposium, Greensboro, North Carolina, January 11-13, 2007.

MEDIA/COMPUTER APPLICATIONS:

FILMS

Levin LS, Ruch DS. Surgical Approaches to Digits and Phalanges. Presented at the American Orthopaedic Hand Course. Maui, Hawaii, May 1994.

Ruch, DS. Arthroscopy of the Wrist. American Academy of Orthopaedic Surgeons 1995 Summer Institute, Boston, Massachusetts, September 1995.

TEACHING ASSESSMENT:

I believe that one of the most difficult tasks in medical education is to teach students and residents to extrapolate principles of patient management from basic science data. The current expansion in both basic science and clinical research has placed an extraordinary emphasis on retention of large volumes of information. Rote memorization of this database has become difficult (if not impossible) for even the most intellectually gifted students and residents. My philosophy is, therefore, to teach students to solve clinical problems without relying upon further memorization. I believe it is only through this process of building upon existing knowledge base rather than requiring additional factual memorization that students and residents will be able to face the demands of Amodern@ medical education.