

CURRENT CREDENTIALS

Licentiate, California State Board of Medical Quality Assurance
License number G027305, current

Licentiate, Missouri State Board of Medical Examiners
License number R4168, current

Qualified Medical Examiner, California Society of Industrial
Medicine & Surgery 1989 – 2001

EDUCATION

1958 B.A. Degree, Princeton University, Princeton, New Jersey
1962 M.D. Degree, Columbia University, College of Physicians and Surgeons
New York, New York

BOARD CERTIFICATION

September 1972 American Board of Orthopaedic Surgery
January 30, 1989 Certificate of Added Qualification in Surgery of the Hand,

POSTGRADUATE EDUCATION

INTERNSHIP

1962 – 1963 Barnes and Allied Hospitals, Saint Louis, MO

RESIDENCIES

July - Dec 1970 Children's Orthopaedics
Shriner's Hospital for Crippled Children, Saint Louis, MO

1967 – 1970 Orthopaedic Surgery
The Campbell Clinic, Memphis, TN

1963 – 1964 General Surgery
Barnes and Allied Hospitals, Saint Louis, MO





FELLOWSHIPS

Jan - Jun 1970 Hand Surgery with D. C. Riordan, M.D., New Orleans, LA

EUROPEAN EDUCATION

Sep 1973 – Jun 1974 Various hand centers in England, Scotland and Europe

MILITARY SERVICE EXPERIENCE

Jul 1964 - Jun 1966 U.S. Army, Active Duty
Captain, MC, USA
Commanding Officer,
U.S. Army Hospital, Kuma Station,
Chitose, Hokkaido, JAPAN

TEACHING APPOINTMENTS

1998 – present Clinical professor of Orthopaedic surgery
University of California School of Medicine, San Francisco, California

1992 - 1998 Associate Clinical Professor of Orthopaedic Surgery
University of California School of Medicine, San Francisco, California

1983- 1992 Assistant Clinical Professor of Orthopaedic Surgery
University of California School of Medicine, San Francisco, California

Consultant in Hand Surgery
Shriner's Hospital for Children Northern California; Sacramento, California

Consultant in Hand Surgery
Shriner's Hospital for Crippled Children, San Francisco, California

Civilian Consultant in Orthopaedic Surgery
Travis Air Force Base, California

Jan 1971 - Sep 1973 Assistant Professor of Orthopaedic Surgery
Washington University, Saint Louis, Missouri



RESIDENT TEACHING

- 1997 – present Assist and participate in the training of orthopaedic residents in hand and upper extremity orthopaedics during their rotations through Shriners Hospital for Children Northern California. Residents from: University of California San Francisco, University of California Davis, and Saint Mary's hospital San Francisco.
- 1976 – 1997 Assist and participate in the training of University of California San Francisco orthopaedic residents in hand and upper extremity orthopaedics during their rotations through Shriners Hospital for Crippled Children San Francisco.
- 1987 - 1994 Assist and participate in the training of U.S. Navy and University of California San Francisco orthopaedic residents in shoulder, hand, and upper extremity orthopaedics during their regular rotations through our office.

FELLOWSHIP TEACHING

- 1992 - present Assist and participate in the training of Fellows in Shoulder and Upper Extremity Orthopaedics in our office for one year Fellowships.

PROFESSIONAL MEMBERSHIP

- American Academy of Orthopaedic Surgeons
- American College of Surgeons
- American Medical Association
- American Society for Surgery of the Hand
- British Society for Surgery of the Hand
- California Medical Association
- The Hand Study Society
- International Society of Reconstructive Microsurgery
- Pediatric Hand Study Group
- Riordan Hand Club
- San Francisco Medical Society
- Societe Internationale de Chirurgie Orthopedique et de traumatologie
- Western Orthopaedic Association



PROFESSIONAL ACTIVITIES & RESPONSIBILITIES

MEDICAL STAFF APPOINTMENTS

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|---------------------|--|
| 1974 – present | California Pacific Medical Center, San Francisco, CA (formerly Pacific Presbyterian Medical Center) |
| 1992 - 1997 | Chairman, Division of Hand Surgery |
| 1982 - 1992 | Chairman, Department of Hand Surgery |
| 1981 - 1982 | Acting Chairman, Department of Hand Surgery |
| 1979 - 1981 | Vice Chairman, Department of Hand Surgery Ralph K, Davies Medical Center, San Francisco, CA |
| 1976 - 1997 | Shriner's Hospital for Crippled Children, San Francisco, CA |
| 1997 – present | Shriner's Hospital for Children Northern California, Sacramento, CA |
| Aug 1995 – Dec 1998 | Chinle Comprehensive Health Care Facility, Chinle, New Mexico Consultant to the Department of Surgery, Hand Surgeon |

NATIONAL SOCIETIES

AMERICAN SOCIETY FOR SURGERY OF THE HAND

| | |
|-------------|--|
| 2000 – 2001 | History and Museum Task Force |
| 1991 - 2010 | Associate Editor, Journal of Hand Surgery |
| 1995 – 1998 | Video Theater Committee |
| 1993 - 1994 | Forward Planning Committee |
| 1991 - 1992 | 50th Anniversary ASSH Meeting Committee |
| 1991 - 1993 | Volume Performance Standards Sub-Committee |
| 1988 - 1991 | Annual Meeting Program Coordinator |
| 1985 - 1987 | Nominating Committee |
| 1983 | Congenital Deformities Committee |



AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS

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|----------------|---|
| 2010 - present | Associate Editor, Journal of Bone and Joint Surgery |
| 2004 | Local Committee on Instructional Courses |
| 2001 | Local Committee on Instructional Courses |
| 1997 | Local Committee on Instructional Courses |
| 1993 | Local Exhibits Committee |
| 1992 | RVS Study - Hand Panel |
| 1979 | Annual Meeting Local Committee |

AMERICAN FOUNDATION FOR SURGERY OF THE HAND

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| 1990 - 1993 | Regional Area Chairman |
| 1989 - 1990 | Area Leader |

VISITING PROFESSORSHIPS AND LECTURES

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| Dec 14, 1988 | Regeneration of Sensibility After Nerve Suture in Adults: Fact and Speculation. Arthur Stein Lecture, Barnes and Allied Hospitals Saint Louis, Missouri |
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PRESENTATIONS

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| March 21, 2009 | Diagnostic testing: end organs, density, threshold, motor, EMG imaging. . Doctors Demystify the Upper Extremity Nerves for Allied Health Professionals. San Francisco, CA. |
| March 6, 2009 | Hemangioma of the Elbow. Pediatric Hand Surgeons Study Group. Dallas, TX, 6- 7 March 2009. |
| July 27, 2007 | Arthroplasty of the wrist and hand. Shoulder to Hand: Hot Topics in 2007. San Francisco, CA |
| May 5, 2007 | Nerve palsies and tendon transfers. Doctors Demystify the Wrist for Allied Health Professionals. San Francisco, CA |
| April 21, 2006 | Metacarpal Syndactyly and Curly Fries. Pediatric Hand Surgeons Study Group, Tampa, FL, April 21-22, 2006. |

- April 1, 2006 SLAC Wrist. Doctors Demystify the Wrist for Allied Health Professionals. San Francisco, CA.
- April 16, 2005 Deformity of the Distal Radius Secondary to Neonatal Vascular Insult. Hand and Upper Extremity Meeting, Shriners Hospitals for Children. Saint Louis, MO, April 14-16 2005.
- June 20, 2003 Disputation of **Modeling Force Production of Common Tendon Transfers to the Thumb**. Michael W. Grafe. Stanford University School of Medicine, Department of Orthopaedic Surgery, Disputation Day.
- April 12, 2002 **Madelung's Deformity: Quantification of the X-ray Deformity**. Wilson-Bost Interurban Orthopaedic Club. San Francisco, CA
- October 6, 2001 Discussion of papers at 56th Annual Meeting of the American Society for Surgery of the Hand, Baltimore, MD.
- 1) **Functional outcome after centralization for radial clubhand**. Goldfarb CA, Klepps SJ, Dailey L, Manske P.
 - 2) **Triphalangeal thumb without associated abnormalities**. Horii E, Nakamura R, Makino H, Koh S.
- December 12, 2000 **Cumulative Trauma Is Overdiagnosed**. Course: "The Use and Abuse of Worker's Compensation In the Upper Extremity. Moderator: Kendrick Lee, MD. Samuel Merritt College, Health Education Center, Oakland, CA
- October 5, 2000 **Madelung's Deformity: Quantification of the X-ray Deformity**. Latest Development in Congenital Hand Differences. ASSH precourse. Seattle, Washington
- May 9, 2000 **Madelung's Deformity: Quantification of the X-ray Deformity**. 5th International Symposium on Congenital Differences of the Upper Limb. Moderator: Toshihiko Ogino, MD. Kyoto, JAPAN



- March 12, 2000 **Repetitive Stress Injury.** Course "Upper Extremity Injuries: New Treatment Options, Rehabilitation Alternatives and Cost Containment." CPMC, San Francisco, CA
- February 5, 1999 **The association of radius deficiency with thumb deficiency.** James MA, Yinger KE, McCarroll HR, Manske PR. Presented at the AAOS annual meeting, Anaheim-Orange, California
- September 11, 1998 **The association of radius deficiency with thumb deficiency.** James MA, Yinger KE, McCarroll HR, Manske PR. Poster exhibit at the ASSH Annual Meeting, Minneapolis, MN
- February 16, 1997 **Carpal Tunnel Syndrome – If it needs an operation, I’m going to need a scope. Yes – most of the time.** ASSH Specialty Day meeting. San Francisco, CA.
- May 1-4, 1996 **Anatomy and physiology of tendon healing. Cubital Tunnel Syndrome.** AAOS Course "From the Elbow To the Hand." San Francisco, California
- March 7, 1996 **Pathology of Madelung’s Deformity.** Presented at the meeting of the Hand Study Society

PUBLICATIONS

- Very Distal Radial Osteotomy for Madelung’s Deformity.** McCarroll HR, James MA. Techniques in Hand & Upper Extremity Surgery 2010; 14(2):85-93.
- Madelung’s Deformity: Diagnostic Thresholds of Radiographic Measurements.** McCarroll HR, James MA, Newmeyer WL, Manske PR. J Hand Surg 2010; 35A:807-812.
- Madelung’s Deformity: Quantitative Radiographic Comparison with Normal Wrists.** McCarroll HR, James MA, Newmeyer WL, Manske PR. J Hand Surg 2008; 33E: 5: 632-635.
- Reconstruction of the Type IIIA Hypoplastic Thumb.** McDonald TJ, James MA, McCarroll HR, Redlin H. Techniques of Hand and Upper Extremity Surgery 2008; 12(2): 79-84.
- Distraction Lengthening of the Ulna in Children With Radial Longitudinal Deficiency.** Peterson, BM, McCarroll Jr HR, James, MA. J Hand Surg 2007 (Nov); 32A:1402-1407.



Madelung's Deformity: Quantitative Assessment of X-ray Deformity. McCarroll HR, James MA, Newmeyer WL, Manske PR. J Hand Surg 2005 (Nov); 30A:1211-1220.

The association of radial deficiency with thumb hypoplasia. James MA, Green HD, McCarroll HR Jr, Manske PR. J Bone Joint Surg Am. 2004 Oct;86-A(10):2196-205.

Book Review: The Psychobiology of the Hand. Ed. Connolly, KJ. Clinics in Developmental Medicine. No. 147. London: Mac Keith Press, 1998. McCarroll BR, McCarroll HR. J Hand Surg 26A:968, 2001.

Madelung's deformity: Quantitative measurement of the X-ray deformity. McCarroll HR, James MA. In "Congenital Differences of the Upper Limb: Proceedings of the 5th International Symposium on Congenital Differences of the Upper Limb; Kyoto, Japan, May 8-9, 2000" Ed. Toshihiko Ogino. Department of Orthopaedic Surgery, Yamagata University School of Medicine, 2000.

Congenital Anomalies: a 25-Year Overview. McCarroll HR. J Hand Surgery 25A:1007-1037, 2000

The Spectrum of Radial Longitudinal Deficiency: a modified classification. James MA, McCarroll HR, Manske PR. J Hand Surgery 24A: 1145-1155, 1999

The Windswept Hand. McCarroll HR, Manske PR, In "Congenital Malformations of the Hand and Forearm." Ed. Dieter Bück-Gramco. Churchill Livingstone, London, 1998

Radial Club Hand. Manske PR, McCarroll HR. In "Congenital Malformations of the Hand and Forearm." Ed. Dieter Bück-Gramco. Churchill Livingstone, London, 1998

Nerve Injuries Associated With Wrist Trauma and Entrapment. In "The Wrist and Its Disorders." 2nd edition. Ed. David Lichtman and Herbert Alexander. W B Saunders Co, Philadelphia, 1997

Characteristics of Patients With Hypoplastic Thumbs. James MA, McCarroll HR, Manske PR. J Hand Surgery 21A: 104-113, 1996

"Repeat Russe Bone Grafting After Failed Bone Graft Surgery for Scaphoid Non-Union" With EB Bynum, RW Culp, TJ Bonatus and CE Alexander, Journal of hand Surgery 20B: 373-378, 1995

"Type III - A Hypoplastic Thumb" With PR Manske and J James, Journal of Hand Surgery 20A: 246-253, 1995

"Endoscopic Carpal Tunnel Release Using the Single Proximal Incision Technique" with JM Agee and ER North. Hand Clinics 10: 647-659, 1994

Chapter 16 **"Tendon Transfers"** in Hand Surgery Update, ed. Paul R. Manske. American Society for Surgery of the Hand; Eaglewood, Colorado; 1994

Reprint of **"Congenital Flexion Deformities of the Thumb"** Selected Readings in Plastic Surgery 6 (issue 34): 1993. Hand Clinics 1: 567-575, 1985



"Arthroplasty of the Hand and Wrist" with JJ Niebauer, In Operative Orthopaedics, 2nd ed., editor MW Chapman. Chapter 93, pp 1389-1399, JB Lippincott, Philadelphia, 1993

"Proximal Row Carpectomy; A Multicenter Study" with RW Culp, FX McGuigan, MA Turner, DM Lichtman and AL Osterman. Journal of Hand Surgery 18A: 19-25, 1993

"Endoscopic Release of the Carpal Tunnel: A Randomized Prospective Multicenter Study" with JM Agee, RD Tortosa, DA Berry, RM Szabo and CA Peimer. Journal of Hand Surgery 17A: 987-995, 1992

Book Review **"Nerve Injuries and Their Repair"** Sir Sidney Sunderland. Journal of Hand Surgery 17A: 978, 1992

"Evaluation and Treatment of Peripheral Nerves and Tendons" Current Opinion in Orthopaedics 3: 304-308, 1992

"The Windblown Hand: Correction of the Complex Clasped Thumb Deformity" with PR Manske, Hand Clinics 8: 147-159, 1992

"Reconstruction of the Congenitally Deficient Thumb" with PR Manske, Hand Clinics 8: 177-196, 1992

"Persistent Brachial Plexus Birth Palsies" with AH Janke, DF Bovill, P James and RK Ashley, Journal of Pediatric Orthopaedics 11: 533-537, 1991

"The Anatomy of the Flexor Superficialis Relevant to Tendon Transfers" with J Agee and A Hollister, Journal of Hand Surgery 16: 68-69, 1991

"Evaluation and Treatment of Peripheral Nerves and Tendons in the Hand and Wrist" Current Opinion in Orthopaedics 2: 326-332, 1991

"Nerve Injury" in Reconstruction of the Child's Hand, Ed. Peter R. Carter, Lea and Febinger, Philadelphia, 1991

"Microsurgical Revascularization of Ischemic Rat Femoral Heads" with MJ Saldana, JJ Niebauer, RL Brown, and DM Lichtman, Journal of Hand Surgery 15A: 309-315, 1990

"Nerve Injuries Associated with Wrist Trauma" in The Wrist and Its Disorders, Ed David M. Lichtman, W.B. Saunders, Philadelphia, 1988

"Surgical Repair of Peripheral Nerve Injuries" in The Paralyzed Hand, Ed. Douglas W. Lamb. Churchill-Livingston, Edinburgh, 1987

"Congenital Flexion Deformities of the Thumb", Hand Clinics 1: 567-575, 1985



"The Treatment of Mucous Cysts: Long-Term Follow-up in Sixty Two Cases", with LD Dodge, RL Brown and JJ Niebauer, *Journal of Hand Surgery* 9: 901-904, 1984

"Preiser's Disease: A Case Report," with TJ Bray, *Journal of Hand Surgery* 9A: 730-732, 1984

"Nerve Injuries Associated with Wrist Trauma" *Orthopaedic Clinics of North America* 15: 279-287, 1984

"Congenital Absence of the Thenar Muscles" (letter), with PR Manske, *Journal of Bone and Joint Surgery* 64: 153, 1982

"Centralization of the Radial Club Hand: An Ulnar Surgical Approach" with PR Manske and K Swanson, *Journal of Hand Surgery* 6: 423-433, 1981

"Neurorrhaphy after Loss of a Nerve Segment: Comparison of Epineurial Suture Under Tension Versus Multiple Nerve Grafts" with WG Rodkey and HE Cabaud, *Journal of Hand Surgery* 5: 366-371, 1980

"Peripheral Nerve Injuries: Studies in Higher Nonhuman Primates" with HE Cabaud and WG Rodkey, *Journal of Hand Surgery* 5: 201-206, 1980

"Primary Anterior Congenital Dislocation of the Hip in Infancy" with HR McCarroll, Sr, *Journal of Bone and Joint Surgery* 62: 554-556, 1980

"Biceps Tendon Rerouting and Percutaneous Osteoclasts in the Treatment of Supination Deformity in Obstetrical Palsy" with PR Manske and R Hale, *Journal of Hand Surgery* 5: 153-159, 1980

"Results of Suture of Cat Ulnar Nerves: A Comparison of Surgical Techniques" with WG Rodkey and HE Cabaud, in *Nerve Repair and Regeneration: It's Clinical and Experimental Basis*, Ed. DL Jewitt and HR McCarroll, CV Mosby, Saint Louis, 1980

"Nerve Repair and Regeneration: It's Clinical and Experimental Basis", Ed. DL Jewitt and HR McCarroll, CV Mosby, Saint Louis, 1980

"The Plastic Ridge Device and Moving Two-Point Discrimination" (letter), with NK Poppen, *Journal of Hand Surgery* 5: 92, 1980

"Recovery of Sensibility After Suture of Digital Nerves" with NK Poppen, J Doyle and JJ Niebauer, *Journal of Hand Surgery* 4: 212, 1979

"Abductor Digiti Minimi Opponensplasty in Congenital Radial Dysplasia" with PR Manske, *Journal of Hand Surgery* 3: 552, 1978

"A Critical Comparison of Epineurial and Perineurial Fascicular Nerve Repair" with HE Cabaud, WG Rodkey, S Mutz and JJ Niebauer, *Journal of Hand Surgery* 1: 131, 1976