

CURRICULUM VITAE

Ekkehard Bonatz, M.D., FACS
Hand and Orthopaedic Surgery
Southlake Orthopaedics

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Hoover, Alabama 35244

Grandview Physicians Plaza
3686 Grandview Parkway, Suite 430
Birmingham, Alabama 35243

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HOSPITAL AND OTHER (NON ACADEMIC) APPOINTMENTS: PROFESSIONAL CONSULTANTSHIPS:

2002 – present	Active Staff, Brookwood Baptist Medical Center, Birmingham, Alabama
2015-present	Active Staff, Grandview Medical Center, Birmingham, Alabama
2002 – present	Staff, Outpatient Care Center, Birmingham, Alabama
2002 – present	Active Staff, MedPlex Outpatient Center, Hoover, Alabama
1992 – 2002	Active Staff, The University of Alabama at Birmingham, Alabama
1992 – Present	Courtesy Surgical Staff, The Children's Hospital of Alabama, Birmingham, Alabama
1992 – 2002	Active Staff, The Veterans Administration Medical Center Birmingham, Alabama
1992 – 2002	Courtesy Staff, Cooper Green Hospital, Birmingham, Alabama
1991 - 96	Staff, Columbia Hospitals Florence, and Muscle Shoals, Alabama;
1989 - 92	Staff, Orthopaedic Service; Director, In-Patient Consultations; Advisor, Occupational Therapy; Drug Usage Evaluation Committee; all at Brooke Army Medical Center, Fort Sam Houston, Texas

EDUCATION:

<u>Institution</u>	<u>Degree</u>	<u>Year</u>
Johanneum Lueneburg West Germany (Secondary School - No college system in Germany)	"Abitur"	1966 - 1975
Hannover Medical School Hannover, West Germany	M.D., Ph. D.	1975 - 1982

MILITARY SERVICE:

<u>Year</u>	<u>Rank</u>
1989-1991	Major, Medical Corps, United States Army Fort Sam Houston, Texas. Honorable Discharge in 1997.

LICENSURE:

Texas, Alabama, Georgia; German License.

Foreign Licensure Examination (FLEX) 2/8/84.

BOARD CERTIFICATION/ACCREDITATION:

National Board of Physicians and Surgeons Certification in Orthopaedic Surgery and
Surgery of the Hand: Certified through 12/29/2017

American Board of Orthopaedic Surgery : Written 7/30/89, Oral 7/12/91
Recertified through 12/31/2021 via CAQ

American Board of Orthopaedic Surgery
Hand Surgery Certificate of Added Qualifications (CAQ) 8/31/92, valid through
12/31/21

Certification of the Educational Commission for Foreign
Medical Graduates (ECMG) 1/20/82

Visa Qualifying Examination (VQE)	9/20/82
Advance Trauma Life Support Course (ATLS)	8/25/89

POST DOCTORAL TRAINING

<u>Year</u>	<u>Degree</u>	<u>Institution</u>
1982	Residency	Hannover University Hospitals Anesthesiology Hannover, West Germany
1983-1984	Residency	Baptist Medical Center Hospitals General Surgery Birmingham, Alabama
1984-1988	Residency	University of Alabama at Birmingham Orthopaedic Surgery Birmingham, Alabama
1988-1989	Fellowship	University of Alabama at Birmingham Hand and Microsurgery Fellowship Birmingham, Alabama

ACADEMIC APPOINTMENTS

<u>Year</u>	<u>Rank/Title</u>	<u>Institution</u>
2008 – present	Clinical Assistant Professor	University of Alabama
1998 - 2002	Associate Professor	University of Alabama at Birmingham
1992- 1998	Assistant Professor	University of Alabama at Birmingham
1989 - 1991	Chief, Hand Surgery Service	Brooke Army Medical Center Fort Sam Houston, Texas

AWARDS/HONORS:

- Army Achievement Medal for Service during Operation Desert Shield, 1991
- Exchange Student at University of Alabama in Huntsville, 5/81 - 8/81
- Scholarship of the German Academic Exchange Service for Studies at the Welsh National School of Medicine, Cardiff, Wales/UK, 9/79 - 8/80

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

American Academy of Orthopaedic Surgeons
American Medical Association
American Society for Surgery of the Hand
American Association of Hand Surgeons
American Society for Reconstructive Surgery
American College of Surgeons
International College of Surgeons
Southern Orthopaedic Association
Medical Association of Alabama
Alabama Orthopaedic Society
Jefferson County Orthopaedic Society
Jefferson County Medical Society

COUNCILS AND COMMITTEES:

- Government Affairs Committee, American Society for Surgery of the Hand. 2/96 – 9/99, 2/2001 – 2003, 2005 - present
- Membership Committee, American Society for Surgery of the Hand. 2005 – present
- Clinical Care Committee, The Kirklin Clinic, Birmingham, Alabama. 1/97 – 10/99
- Coding Committee, American Society for Reconstructive and Microsurgery. 2/97 - 2001
- Specialized Course Task Force Committee, American Society for Surgery of the Hand. 10/97 – 9/2000
- Clinical Guidelines Committee, American Society for Surgery of the Hand. 10/97 – 9/99

- Self Assessment Exam Committee, American Society for Surgery of the Hand. 8/98 – 9/2000
- Credentials Committee, Brookwood Medical Center, Birmingham, Alabama 2002 – 2005
- Operating Room Committee, Brookwood Medical Center, Birmingham, Alabama 2002 – 2005

UNIVERSITY ACTIVITIES:

- Associate Professor and Faculty, Division of Orthopaedic Surgery, University of Alabama at Birmingham, 10/98 – 2/2002
- Assistant Professor and Faculty, Division of Orthopaedic Surgery, University of Alabama at Birmingham, 7/92 - 9/98
- Faculty, Hand and Microsurgery Fellowship Program, University of Alabama at Birmingham, 7/92 – 2/2002
- Faculty, Injury Prevention and Research Center
- Instructor, annual anatomy course for orthopaedic residents and fellows, University of Alabama at Birmingham, 7/92 – 2/2004
- Instructor in Orthopaedic Surgery, University of Alabama at Birmingham, 7/88 - 6/89

EDITORIAL BOARD MEMBERSHIPS:

Member, review panel, The Journal of Musculoskeletal Medicine, Greenwich, Connecticut

MAJOR LECTURES AND VISITING PROFESSORSHIPS:

Orthopaedic Review Course, Osler Institute, Kansas City, Kansas May/June 1997:

- “Soft Tissue Injuries of the Hand”
- “Hand Fractures and Dislocations”
- “Selected Wrist Fractures”
- “How to take mock orals”

GRANT SUPPORT:

Biomechanical Evaluation of Suture Anchors in Cadaver Hands. Mitek Products
\$14,544, 11/1/96 - 4/30/97

Analysis of "In Situ" Silicone Prosthesis in a Cadaver. Wright Medical and Dow Corning
\$12,499, 1/1/97 - 6/30/97

Community Services:

- Sponsor: Vulcan Run, Birmingham, Alabama (November 2002)
- Sponsor: Little Ones' Garden Race, Birmingham, Alabama (May 2003)
- Sponsor: Mercedes Marathon and Half Marathon, Birmingham, Alabama (February 2004)

BIBLIOGRAPHY:

MANUSCRIPTS:

1. Ferlic RJ, **Bonatz E**, Robbin ML: Radial Artery Injury from a Catfish Sting: A Case Report. Am J Orthopedics 32 (8): 412-4(2003)
2. **Bonatz E**, Robbin ML, Weingold MA: Ultrasound for the Diagnosis of Retained Splinters in the Soft Tissue of the Hand. Am J Orthopedics 28:455-9 (1998)
3. **Bonatz E**, Descartes M, Tamarapalli JR: The Acrocallosal Syndrome. J Hand Surg 22A:492-94 (1997)
4. **Bonatz E**, Kramer TD, Masear VR: Rupture of the Extensor Pollicis Longus Tendon. Am J Orthopaedics 15(2):118-122 (1996).
5. **Bonatz E**, Alonso JE: Classification of Soft Tissue Injuries. Techniques in Orthopaedics 10(2):73-78 (1995).
6. **Bonatz E**, Seabol KI: Acute Carpal Tunnel Syndrome in a Patient on Coumadin. J. Trauma 35,1 (1993): 143 - 144
7. **Bonatz E**, Masear VR, Meyer RD, Cohen S: Degenerative arthritis of the carpus associated with congenital hypoplastic thumb. J. Hand. Surg. 14A,4 (1989):734 - 736

8. Lips U, **Bonatz E**, Kunert P, Pichlmayr I: [Electroencephalographic evaluation potentials in severely burned patients in intensive care]. Handchir Mikrochir Plast Chir 17,2 (1985):73 - 4.
9. Brewitt H, **Bonatz E**, et al: Morphological changes of the corneal epithelium with topical anesthetics. Ophthalmologica 180 (1980):198 – 206
10. Brewitt H, **Bonatz E**: (Experimental studies of the corneal epithelium after exsiccation). Contactologia 1D (1979):26 – 30
11. Cho MS, Rinker BD, Buncke GH, et al. (Bonatz E): Functional Outcome Following Nerve Repair in the Upper Extremity Using Processed Nerve Allograft. J Hand Surg 2012;37A:2340-2349

Other publications:

Bonatz E: The German Health Care System (letter). South. Med. J. 87,7 (1994): 771

Translation into English:

The Electroencephalogram in Anesthesia. By I. Pichlmayr et al. Springer Verlag Berlin Heidelberg (1984)

BOOKS:

Books and Book Chapters

Masear VRM, **Bonatz E**: Painful Neuromas of the Lower Extremity and Postneurectomy Pain. In: Management of Peripheral Nerve Problems, by Omer, GE et al. (Eds). Philadelphia: WB Saunders, 1998.

Bonatz E:

1. "Fractures and Dislocations"
 2. "Infections"
 3. "Vascular Injuries"
 4. "Cumulative Trauma Disorders"
- In: Primary Care Orthopaedics, by Victoria R. Masear (ed.); Philadelphia: WB Saunders, 1996.

Bonatz E, Brewitt H: Morphological studies of the corneal epithelium and its tear film.
In: The preocular tear film in health, disease, and contact lens wear, by Frank J. Holly (Ed.). Dry Eye Institute, Inc., Lubbock, Texas (1986)

Published abstracts

Kurt T. Bachmann KT, Baird RC, Holley TD, **Bonatz E**, Eberhardt A, Lemons J:
Computational and Clinical Study of the Human Scaphoid Bone. J Alabama
Acad Science, 68(2), April 1997

Bonatz E, Meyer RD: Management of femur fractures after hip arthroplasty.
Orthop. Trans. 13,1 (1989):150

Bonatz E, Masear VR, Cohen S: Long-term follow-up of congenital syndactyly.
Orthop. Trans. 13,1 (1989):225

Poster Exhibits

Metzger CL, **Bonatz E**: Prospective Study comparing open and endoscopic carpal tunnel release. Poster Exhibit accepted for the annual meeting of the American Academy of Orthopaedic Surgeons, Orlando, FL, March 2000.

Metzger CL, **Bonatz E**: Prospective Study comparing open and endoscopic carpal tunnel release. Poster Exhibit at the 54th annual Meeting of the American Society for Surgery of the Hand, Boston, MA, September 1999.

Bonatz E, et al.: Retrieval Analysis of Swanson Arthroplasty in a Cadaver. Poster Exhibit at the 53rd Annual Meeting of the American society for Surgery of the Hand, Minneapolis, MN, September 1998.

Bonatz E, et al.: Suture Anchors Versus Pull-out Buttons for FDP Tendon Attachment: A Biomechanical Comparison. Scientific exhibit at the 52nd Annual Meeting of the American Society for Surgery of the Hand, New Orleans. LA, March 1998.

Bonatz E, et al.: Mini Mitek Anchor for FDP/FPL Tendon Avulsion: A Biomechanical Study. Scientific exhibit at the 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville, TN, September 1996.

Bonatz E, et al.: Mini Mitek Anchor for FDP/FPL Tendon Avulsion: A Biomechanical Study. Poster exhibit at the 64th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 1997.

Bonatz E, et al.: Mini Mitek Anchor for FDP/FPL Tendon Avulsion: A Biomechanical Study. Poster exhibit at the 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville , TN, September 1996.

Bonatz E, et al.: Ultrasound for the Diagnosis of Retained Splinters in the Soft Tissues of the Hand. Poster exhibit at the 51st Annual Meeting of the American Society for Surgery of the Hand, Nashville , TN, September 1996.

Bonatz E, et al.: Quantitative assessment of distal radius fracture rehabilitation. Poster exhibit at the 45th Annual Meeting of the American Society for Surgery of the Hand, Toronto, Canada (1990).

Brewitt H, **Bonatz E**: Dry eyes and artificial tears. Poster exhibit at the Symposium 'La microscopie electronique a balayage en ophthalmologie', Brest, France (1979).

Oral Presentations

- Utilization of ancillary personnel in the hand surgery office and operating room. Instructional course lecture, ASSH meeting, Seattle, Wa., 2015, with Ashley Prichard, PA-C

Scientific papers presented at national meetings:

Bonatz E, et al.: Biomechanical Assessment of Suture Anchors: Pull-out Strength in Flexor Tendon Repair. 53rd Annual Meeting of the American Society for Surgery of the Hand, Minneapolis, MN, September 1998.

Bonatz E, et al.: Long-term follow-up of congenital syndactyly. Presentation at the Residents and Fellows conference of the American Society for Surgery of the Hand. Annual Meeting, Seattle, WA, September 1989.

Bonatz E, et al.: Long-term follow-up of congenital syndactyly. Ann. Meeting South. Orthop. Assoc., New Orleans, LA, November 1988.

Scientific papers presented at local and regional meetings:

Mini-Mitek Anchor for Tendon Avulsion. Ann. Meeting Alabama Orthop. Society, Gulf Shores, Alabama, 1996.

The Acro-callosal Syndrome. Ann. Meeting Alabama Orthop. Society, Gulf Shores, Alabama, 1994.

Rupture of the Extensor Pollicis Longus Tendon". Ann. Meeting Alabama Orthop. Society, Gulf Shores, Alabama, 1994.

Acute Carpal Tunnel Syndrome in a Patient on Coumadin. Ann. Meeting Alabama Orthop. Society, Point Clear, Alabama, 1993.

Long-term follow-up of congenital syndactyly. Ann. Meeting Alabama Orthop. Society, Point Clear, Alabama, 1989.

November Long-term follow-up of congenital syndactyly. Ann. Meeting South. Orthop. Assoc., New Orleans, Louisiana, 1988.

Management of femur fractures after hip arthroplasty. Ann. Meeting Am. Fracture Assoc., Birmingham, Alabama, 1988.

Degenerative arthritis in congenital hypoplasia of the thumb. Ann. Meeting Alabama Orthop. Society, Point Clear, Alabama, 1987.

Femoral neck fractures in indigent patients. Ann. Meeting Alabama Orthop. Society, Point Clear, Alabama, 1986.

Invited workshops at national postgraduate courses:

Orthopaedic Review Course, Osler Institute, Kansas City, Kansas May/June
1997:

1. "Soft Tissue Injuries of the Hand"
2. "Hand Fractures and Dislocations"
3. "Selected Wrist Fractures"
4. "How to take mock orals"

Invited lectures at local and regional courses and meetings:

"The Trimed System – A New Method of Distal Radius Fixation". Co-Host for Workshop at the Annual Meeting of the Alabama orthopaedic society, Point Clear, Alabama, May 3, 2001. Sponsored by Alabama Orthopedics/Trimed.

"The Trimed System – A New Method of Distal Radius Fixation". Local Host for Birmingham Workshop. Birmingham, Alabama, 15 April 2000. Sponsored by Alabama Orthopedics/Trimed.

- "Acute Hand Problems: Triage and Treatment. A talk for General practitioners, family physicians and allied nursing personnel. Birmingham, Alabama, 24 February 2000. Sponsored by Merck.
- "Carpal Tunnel Syndrome: Current concepts". Grand Rounds in Physical Medicine and Rehabilitation, University of Alabama at Birmingham, 22 October 1999.
- "Carpal Tunnel Syndrome: Current concepts". Grand Rounds in Medicine. Montgomery Internal Medicine Residency Program, Montgomery, Alabama, 1997.
- "Carpal Tunnel Syndrome: Current concepts". Orthopaedic Surgery Grand Rounds. University of Alabama at Birmingham, Birmingham, Alabama, 1997.
- "Carpal Tunnel Syndrome: Current concepts". Grand Rounds Presentation for Neurosurgery and Neurology combined Grand Rounds. University of Alabama at Birmingham, Birmingham, Alabama, 1997.
- "A New Approach to Fracture-Dislocations of the Elbow". Chestley Yelton Society Weekend, University of Alabama at Birmingham, Birmingham, Alabama, 1996.
- "Sports Injuries of the Hand and Wrist". Orthopaedic Grand Rounds, University of Alabama at Birmingham, Birmingham, Alabama, 1996.
- "Athletic Injuries of the Hand and Wrist". Family Practice Residency Program, Tuscaloosa, Alabama, 1996.
- "Basic Orthopaedic Examination and Evaluation". Family Practice Residency Program, Tuscaloosa, Alabama, 1996.
- "Basic Orthopaedic Examination and Evaluation", "Common Foot Problems". Presentation at Symposium of Initial Management of Orthopaedic Emergencies, Montgomery, Alabama, 1996.
- "Nerve Compression Syndromes". UAB Outreach Program for Continuing Medical Education; Florence, Alabama, 1995.
- "Orthoplastic Surgery". Plastic Surgery Grand Rounds, University of Alabama at Birmingham, Birmingham, Alabama, 1995.
- "Elbow Complaints: Evaluation and Treatment". Orthopaedics for Primary Care Physicians; The Medical Forum, Birmingham, Alabama, 1995.

"Upper Extremity Amputation surgery: Pre- and Post-surgical Care. Prosthetics: Review and Update - 1995; University of Alabama at Birmingham, Birmingham, Alabama, 1995.

"Nerve Compression Syndromes". Presentation for the Family Practice Residency Program, University of Alabama, Tuscaloosa, Alabama, 1995.

"Osteomyelitis". Orthopaedic Grand Rounds, University of Alabama at Birmingham, Birmingham, Alabama, 1994.

"Extremity Injuries". General Surgery Grand Rounds, University of Alabama at Birmingham, Birmingham, Alabama, 1993.

"Anatomy of the Hand"; "Hand Examination and Anesthesia"; "Hand Infections". Lectures for Regional Review Course of the American Society for Surgery of the Hand, University of Alabama at Birmingham, Birmingham, Alabama, 1992.

"When-What-Where: Surgery in the Rheumatoid Hand and Wrist". Presentation at Rheumatology Grand Rounds, University of Alabama, Division of Rheumatology, Birmingham, Alabama, 1992.

"Hand Surgery in 1991". Presentation at meeting of Colbert County Medical Society, Muscle Shoals, Alabama, 1991.

"Orthopaedic Injuries and Wound Care". Presentation for Physicians and Allied Health Personnel. Emergency War Surgery Lecture Series, Saudi Arabia, 1990.

Extremity Trauma. Lecture for Advanced Trauma & Life Support Course, Saudi Arabia, 1990.

"Hand Examination and Anesthesia". Lecture for Regional Review Course of the American Society for Surgery of the Hand, University of Texas Health Science Center at San Antonio, Texas, 1990.

MISCELLANEOUS:

Reviewer, Editorial Board for 2002 Yearbook of Hand Surgery (Amy Ladd, Chief Editor).

Reviewer, Editorial Board for 2001 Yearbook of Hand Surgery (Amy Ladd, Chief Editor).

Member, Alabama Quality Assurance Foundation, Birmingham, Alabama

Member, Peer-Review panel, Georgia State Board of Medical Examiners, Atlanta, Georgia

Translation into English:

The Electroencephalogram in Anesthesia. By I. Pichlmayr et al. Springer Verlag Berlin Heidelberg (1984)

Misc. Activities:

- “Acute Hand Problems”, Birmingham, Alabama (February 2000). CME credits.
- Member, Resident/Fellow Awards Committee, American Association for Hand Surgery (March 2000).
- Reviewer, Editorial Board for 2001 Yearbook of Hand Surgery (Amy Ladd, Chief Editor).
- “Acute Hand Problems”, Birmingham, Alabama (May 2000). CME credits. UAB Family Practice.