

CURRICULUM VITAE

Arthur Bartholomew Flick M.D.

Birthplace: Albany, New York

Citizenship: United States

Marital Status: Married with two daughters, five grandchildren, five great grandchildren

Education

- 1965-1969, University of North Carolina, Chapel Hill, North Carolina, B.A. Degree: Sociology
- 1969 U.S. Navy Supply Corps Training School, Athens, GA
- 1974-1977, State University of New York at Albany, Albany, New York Credits for B.S. Degree: Physical Chemistry
- 1977-1981 Upstate Medical Center, State University of New York, Syracuse, New York
Medical Degree.
- 1981-1982 Medical Center Hospital of Vermont, Burlington, Vermont, General Surgery Internship
- 1982-1986 Medical Center Hospital of Vermont, Burlington Vermont, Orthopaedic Residency

Military Experience

- 1969-1970, Supply Officer, U.S.S. REPOSE (AH-16), Viet Nam; Supply Officer
- 1970-1972, Supply Officer, Antarctica Support Activities, Ross Island, Antarctica; Supply Officer
- 1972 Supply Officer, Antarctica Support Activities, Christchurch, New Zealand; Supply Officer
- 1972-1973, Supply Officer, U.S. Navy Facility, American Embassy, Nicosia, Cyprus; Supply Officer

Orthopaedic Professional History

- 1986-1988, Private Practice Orthopaedic Surgery and Rehabilitation, Humana Hospital
Ville Platte, LA: Solo Practice
- 1988-1992, Private Practice Orthopaedic Surgery and Rehabilitation, Ridgecrest Hospital
Clayton, GA: Solo Practice
- 1992-199, Private Practice Orthopaedic Surgery and Rehabilitation, Habersham County Medical Center, Demorest, GA: Solo Practice
- 1997-2009, Private Practice Orthopaedic Medicine and Wound Care, 36 Lake Rabun Road, Lakemont, Georgia: Solo Practice

- 2008 (Dec) - 2009(May) and 2009 (Dec) Locum tenens VAH, VA Northern California Health Care System, Mather Field, Sacramento, CA; Orthopaedic Surgery
- 2010 – Present, Private Practice Orthopaedic Surgery and Rehabilitation Mountain Medical Specialties, 156 North Main Street, Clayton, GA

Licensing Examinations

- National Board of Medical Examiners ID 241002
- Federal Licensing Examination (FLEX) ID FA070326014

Certifications

- Advanced Trauma Life Support Certification
- Basic Life Support Certification
- Advanced Cardiac Life Support Certification

Professional Boards

- Diplomate, American Board of Orthopaedic Surgery
- Diplomate American Academy of Wound Management

Additional Qualifications

- Qualified for American Academy of Medical Acupuncture
- Qualified for Clinical Research Investigator University of Miami

Professional Meeting Presentations

- AAOS Foot and Ankle Society, February 1983. Presentation of paper: “Osteochondritis Dissecans of the Talus” and poster exhibit. Conference on Silver and Gold. The Silver Institute, Bethesda, MD. April, 1987. Paper on “Clinical Applications of Electrical Silver Iontophoresis”.
- Conference of American Board of Biological Dentists, March 1996, Paper on “Dental Applications of Electrical Silver Iontophoresis”
- The 33rd Clemson Nonwoven Fabrics Forum, June 24- June 27 2002, Paper Presentation: “Myths and Realities About Wound Care Surfaces”.
- Clemson University Medical Textiles, March 19 – 20, Paper Presentation: “Antimicrobial Fabrics in the Treatment of Wounds and Burns”.
- PSU-MRI Inaugural Conference Material Research Lab August 19, 2004, Penn State, “Status of Silver Colloids in Wound Healing”.
- Materials Research/Living Systems Symposium Boston MA Nov 18, 2004 “Transepithelial Skin Potentials in Wound Healing”.
- Engineering Science and Mechanics, Pennsylvania State University, 16 April 2008, “The Body Electric: Fundamentals of Wound Healing”
- Materials Research/Living Systems Symposium Boston MA Nov 18, 2004 “Transepithelial Skin Potentials in Wound Healing”.

- Engineering Science and Mechanics, Pennsylvania State University, 16 April 2008, “The Body Electric: Fundamentals of Wound Healing”
- Hershey Medical Center, Hershey PA, July 22, 2008, “Penn State: A Unique Interdisciplinary Approach to CAM-WPH.
- Penn State Mount Nittany Medical Center, State College PA, 23 July 2008, ’ “A Unique Interdisciplinary Approach: complementary and Alternative Medicine/Whole Person Healing” .
- Knee Examination for Primary Care, 1 April 2009, US Department of Veteran Affairs, VA Northern California Health Care System, Sacramento VA Medical Center, Mather CA.
- Shoulder Examination for Primary Care, 15 April 2009, US Department of Veteran Affairs, VA Northern California Health Care System, Sacramento VA Medical Center, Mather CA

Licensure

- State of Vermont L-975 1981 - 1986
- State of Louisiana 07007R 1986 - 1989
- State of Georgia 030457 1988 – present

Provider Numbers

- National Provider Identifier
- ID 1952435828
- Taxonomies: 208100000X Physical Medicine & Rehabilitation 030457 GA

Professional Associations

- American Academy of Orthopedic Surgery
- American Academy of Wound Management
- Wound Healing Society

Research Positions

- 1989 – Present, Resonance Research Foundation (Non-Profit Medical Research Foundation)
Research Director
- 2006 – 2010, Senior Research Scientist, University of Georgia

Other Companies

- 1997 – Present, Consultant FDA 510(k) PreMarket Notification submissions
- 2003 – Present, Consultant Current Good Manufacturing Practices QA Supervisor
- 2010 – Present, CEO Mountain Medical Specialties, Reset Manufacturing and Wellness PEMF

Medical Device Experience

- 1997 – Present, Consultant FDA 510(k) PreMarket Notification submissions
- 2003 – Present, Consultant Current Good Manufacturing Practices QA
- 2014 – Present, Prototype development, manufacturing and clinical testing electric field, magnetic field, electromagnetic field and laser light fields devices.

Grants

- June 1984-Dec. 1985, Primary Investigator OREF Grant: “Percutaneous Infection Pin Tract Animal Model”

Publications

- “Osteochondritis Dissecans of the Talus: A New Surgical Approach.” Foot & Ankle, Vol. 5, #4:165-185, 1985
- “Post-Fracture, Latye Debridement Resection Arthroplasty of the Ankle.”Foot & Ankle, Vol. 6, #2:70-84, 1985
- “Preparation and Release Characteristics of Tobramycin-impregnated PMMAS Beads.”American journal of Hospital Pharmacy, Vol. 43, June, 1986
- “Technical Note: Non-Commercial Fabrication of Antibiotic Impregnated PMMA”. Clinical Orthopedics & Related Research, Oct. 1987.
- “Natural Nutritional Food Supplement Designed for Bone, Joint and Ligament Health Utilizing Mineral Balancing, Enzyme Therapy, Herbal Nutrition: It’s Effects on Arthritis Symptoms Clinical Trial. Minerals Media: Roy, Utah 84067, 1991.
- “A Preliminary Report for the Stimulation of Skin and Soft Tissue Regeneration in Acute Finger and Hand Injuries.” Transactions, Vol. XI. BRAGS, 11th Annual Meeting. Scottsdale, AZ, Sept.1991
- “Clinical Applications of Electrical Silver Iontophoresis” Conference on Gold and Silver in Medicine, Bethesda, MD, May 13-14, 1987.

US Patents & Patent Pending’s

- US Pat # 5,374,283: Electrical therapeutic apparatus
- US Pat # 5,814,094: Iontophoretic system for stimulation of tissue healing and regeneration
- US Pat #6,087,549: Multilayer laminate wound dressing
- US 20040030276: Conductive wound dressing and methods of use
- US 20040049145: Multilayer conductive appliance having healing and analgesic properties
- US Pat # 6,861,570 Multilayer conductive appliance having healing and analgesic properties
- US 20050244484: Multilayer conductive appliance having healing and analgesic properties
- US Pat #7,005,556: Multilayer wound dressing
- US 20060264796: Medical device

- US Pat #7,214,847: Multilayer conductive appliance having healing and analgesic properties
- US Pat #7,230,153: Multilayer conductive appliance having healing and analgesic properties
- US 20070179522: Multilayer wound dressing
- US Pat #7,291,762: Multilayer conductive appliance having healing and analgesic properties
- US 200800333506: Multilayer conductive appliance having healing and analgesic properties
- US 20080064997: Conductive wound dressing and methods of use
- US 20080114279: Multilayer laminate wound dressing
- US 20080119773: Multilayer conductive appliance having healing and analgesic properties
- US 20080125687: Medical device
- US Pat. App. No.18/496,174: Phototherapy Laser Light Apparatus with integrated fluid vessel
- US Pat. App. No. 8/496,370: Phototherapy Laser Light Apparatus
- U.S. Pat. App. No. 63/805,490: Apparatus with design pattern to mitigate pathological response of body

International Patents & Patent Pending's

- Australia Patent #7412700 Multilayer conductive appliance having healing and analgesic properties
- Australia Patent #768317 Multilayer conductive appliance having healing and analgesic properties
- Brazil Patent #1647 Multilayer conductive appliance having healing and analgesic properties
- Canada Patent 2,307,040 Multilayer conductive appliance having healing and analgesic properties
- EP Pub # 1023003 Multilayer conductive appliance having healing and analgesic properties
- Japan Patent # 516120 Multilayer conductive appliance having healing and analgesic properties

U.S. Trademarks USPTO

- SpinField™
- Waveomics™
- Plasomics™

FDA Premarket Notification 510(k) Approvals

- Silverlon Contact Wound Dressing K#981299
- Silverlon Contact Wound Dressing K#991463

- Silverlon Island Wound Dressing K#984208
- Silverlon Adhesive Strip K# 984205 and K#023609
- Silverlon Direct Pressure Wound Dressing K#984208
- Silverlon DP Wound Closure Strip K #984204
- Silvion Antimicrobial Silver Wound Moisturizing Solution K#063063
- Silvicide Antimicrobial Silver Wound Cleansing Solution K#063069

Extracurricular Activities

Research in electrical, magnetic, electromagnetic and spin wave applications to biological systems for tissue regeneration.