

CURRICULUM VITAE
JOHN ALAN FROEHLICH, M.D., MBA

Business Address University Orthopedics
 1 Kettle Point Ave
 East Providence, Rhode Island 02914

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Business Fax 401-270-3215

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EDUCATION

Undergraduate Cornell University, Ithaca, NY, BS Biochemistry, Dean's List/Honors & Distinction, 1975-1979

Medical School School of Medicine, University of Rochester, M.D. 1983

Business School Bryant University, M.B.A. December, 2009

POSTGRADUATE TRAINING

Internship University of Rochester, Dept. of Surgery, 1983-1984

Residency University of Rochester, Dept. of Surgery,
 Associate Residency, PGY-2, 1984-1985

 Rhode Island Hospital, Brown University, Orthopaedic Surgery, 1985-1989

Fellowship Massachusetts General Hospital, Boston, Massachusetts, Adult
 Reconstructive Fellow, Mueller Foundation of North America, April, 1989-October 1989

POSTGRADUATE HONORS AND AWARDS

Arthritis Foundation, Lifetime Achievement Award
Keynote speaker
November, 2018

American Association of Hip and Knee Surgeons Award
Fellow Member since February, 2016

Bryant University, Beta Gamma Sigma Induction Ceremony,
Keynote speaker
March, 2014

Lifespan Annual Meeting, Lifespan Barnet Fain Quality Award for Total Joint Center, December 9, 2013

Lifespan Annual Meeting, Lifespan Barnet Fain Quality Award for Total Joint Center, December 10, 2012

Arthritis Foundation Outstanding Achievement Award,
November 17, 2012

Society)

Rhode Island Monthly Magazine; ranked as a top Orthopedist in Rhode Island by peers multiple years including 2019

Academic Achievement Award—Excellence in MBA Studies
Bryant University, December, 2009

Inducted Beta Gamma Sigma (National Business School Honors
December, 2009

Brown Medical School, Dean's Teaching Excellence Award, July 2002

Mueller Foundation of North America Scholarship for further
study/training in Adult Reconstructive Surgery, 1989

Haffenreffer Fellowship Award, Rhode Island Hospital Department of
Orthopaedic Surgery, 1988

Governor's Council, Providence, Rhode Island, On Sports & Athletics,
1997 (3 year term)

State Chairman, A Joint Parade, Providence, Rhode Island, Fundraising
Event, Orthopaedic Research & Education Foundation, 1994

Sol Heumann Scholarship/Rochester Prize, Rochester, NY 1981-1982,
1982-1983

Cornell Club of WNY Alumni Award, 1975, 1976

Cum Laude Society, Cornell University, 1975

National Science Foundation Gold Medal, 1970

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

National Board of Medical Examiners
Rhode Island License, 9/6/89
American Board of Orthopedic Surgery
American Academy of Orthopaedic Surgeons
American College of Surgeons, 1985
Drug Enforcement Administration

ACADEMIC APPOINTMENTS

Associate Professor, Department of Orthopaedic Surgery, Brown
University School of Medicine/Rhode Island Hospital, Division of Sports
Medicine and Reconstructive Surgery

Chief of Division of Adult Reconstruction
Rhode Island Hospital/The Miriam Hospital

Fellowship Director
Brown University Comprehensive Fellowship in Adult Reconstruction

HOSPITAL APPOINTMENTS

Program Director, Joint Replacement Center, The Miriam Hospital
June 2011- present

Active Staff, Department of Orthopedic Surgery, Rhode Island Hospital,
Providence, Rhode Island, 1989- present

Active Staff, Department of Orthopedic Surgery, The Miriam Hospital,
Providence, Rhode Island, 2000- present

Consultant, Department of Orthopaedic Surgery, Veterans Administration
Hospital, Providence, Rhode Island,

Union Memorial Hospital, Curtis Hand Center, Elective, Hand &
Microvascular Surgery, October, 1987

Boston Children's Hospital/Harvard Medical School, Externship, Pediatric
Orthopaedics, 9/1982-10/1982

Fairfax Hospital, Department of Pediatrics, Externship, Pediatric ICU,
11/1982-12/1982

Genesee Hospital, Department of Orthopaedics, Operative/office
orthopaedics, Developed modified arthrodesis technique, 6/1981-8/1981

Buffalo Columbus Hospital, 5/1976-8/1976, Respiratory Therapy, 5/1977-
8/1977, Respiratory Therapist

OTHER APPOINTMENTS

Fellowship Director-Brown University Comprehensive Fellowship in Adult
Reconstruction, 2017 -present

Program Director Total Joint Center at The Miriam Hospital, 2011 -
present

Chairman of Surgeon Committee, The Total Joint Center at The Miriam
Hospital, 2011 -present

Steering Committee for Edward Akelman Scholar Fund, 2012 -present

University Orthopedics, Executive Steering Committee, 2015 -present
University Orthopedics, Chair Finance Committee, 2016 -present

Rhode Island Orthopedic Society, Board of Directors/Medical Education,
1996

Board of Directors, Arthritis Foundation, 1992

Arthritis Foundation, Scientific & Technical Committee

Eastern Orthopaedic Association

HOSPITAL COMMITTEES

Governance Board Co-chairman
Joint Replacement Center
The Miriam Hospital 2011-present

Leadership Committee
Total Joint Center
The Miriam Hospital 2011-present

Miriam Hospital
Orthopedic QA
Meeting Planning Committee Member

Steering Committee, Miriam Hospital/Rhode Island Hospital 2010-present
Credentials Committee, Rhode Island Hospital 1994-present

FORCE—TJR Registry Program

MEMBERSHIP IN SOCIETIES

Rhode Island Orthopaedic Society, 1990-present

American Board of Orthopaedic Surgery, Fellow

Diplomate of National Board of Medical Examiners

American Association of Hip and Knee Surgeons

PUBLICATION LIST

PEER-REVIEWED PUBLICATIONS

1. Marcaccio S, Cohen EM, Reid D, Antoci V, **Froehlich JA**, Rubin LE. Combined Tranexamic Acid Protocol-Is giving more TXA in Total Hip Arthroplasty cost effective? Submitted to Orthopedics
2. Tuttle JR, Ritterman SA, Cassidy DB, Anazonwu WA, **Froehlich JA**, Rubin LE. Cost Benefit Analysis of Topical Tranexamic Acid in Primary Total Hip and Knee Arthroplasty. J Arthroplasty. 2014 Aug;29(8):1512-5 doi:10.1016/j.arth.2014.01.031. Epub 2014 Feb.3
3. Ferguson GM, **Froehlich JA**. Establishing a Center of Excellence: The Total Joint Center at the Miriam Hospital. RI Med J (2013).2013 Mar 1;96(3):16-8.
4. Patel A, Bliss J, Calfee RP, **Froehlich JA**, Limbird R. Modular Stem-Sleeve Junction Failure After Primary Total Hip Arthroplasty. J Arthroplasty 2009 Oct;24(7):1143,e-15. Doi:10. 1016/j.arth2008.09.006. Epub 2008 Oct5.
5. Thakur NA, Crisco JJ, Moore DC, **Froehlich JA**, Limbird RS, Bliss JM. An Improved Method for Cable Grip Fixation of the Greater Trochanter after Trochanteric Slide Osteotomy. J Arthroplasty. 2010 Feb;25(2):319-24. Doi:10..1016/j.arth.2008. 10.006. Epub 2008 Dec 5.
6. Lambiase RE, Levine SM, **Froehlich JA**. Rapid Osteolysis of the Femoral Neck after Fracture. AJR Am J Roentgenol. 1999 Feb; 172(2):489-91.
7. Dorfman GS, **Froehlich JA**. The Appropriate Use of Contrast Venography and Pulmonary Angiography in the Orthopedic Population. Semin Arthroplasty. 1992 Apr;3(2):72-83.
8. Cronan JJ, **Froehlich JA**, Dorfman GS. Image-Directed Ultrasound: A Screening Technique for Patients at High Risk to Develop Deep Vein Thrombosis. J Clin Ultrasound. 1991 Mar-Apr;19(3):133-8.
9. Dorfman GS, **Froehlich JA**, Cronan JJ, Urbanek PJ, Herndon JH. Lower-Extremity Venous Thrombosis in Patients with Acute Hip Fractures: Determination of Anatomic Location and Time of Onset with Compression Sonography. AJR AM J :851-5.
10. **Froehlich JA**, Dorfman GS, Cronan JJ, Urbanek PJ, Herndon JH, Aaron RK. Compression Ultrasonography for the Detection of Deep Venous Thrombosis in Patients who have a Fracture of the Hip. A Prospective Study. J Bone Joint Surg Am. 1989 Feb;71(2):249-56.
11. **Froehlich JA**, Akelman E, Herndon JH. Extensor Tendon Injuries at the Proximal Interphalangeal Joint. Hand Clin. 1988 Feb;4(1):25-37.

12. Harris CM, **Froehlich JA**. Knee Fusion with Intramedullary Rods for Failed Total Knee Arthroplasty. Clin. Orthop. Related Res. 1985 Jul-Aug;(197):209-16.
13. Merrill AH, **Froehlich JA**, McCormick DB. Isolation and Identification of Alternative Riboflavin-Binding Proteins from Human Plasma. Biochem Med. 1981 Apr;25(2):198-206.
14. Merrill AH, **Froehlich JA**, McCormick DB. Purification of Riboflavin-Binding Proteins from Bovine Plasma and Discovery of a Pregnancy-Specific Riboflavin-Binding Protein. J Biol Chem. 1979 Oct10;254(19):9362-4.

BOOKS AND BOOK CHAPTERS

1. Rittnerman SA and **Froehlich JA**; Review chapter-Hip/Knee Adult reconstruction in Kamal and Weiss, In press
2. **Froehlich, JA**; Limbird, RS: Adult Orthopaedics: "The hip" Oxford Textbook of Surgery, Volume I 1994

ABSTRACTS

Response to 5 Questions(in print)
Total Joint Replacement and Trends in Care
Providence Business News, June 2017

Blog
Traditional vs. Robotic assisted Joint Replacement-facts vs. fiction 2018

Poster Exhibit
Goodman A, Froehlich JA et al. Efficacy and Cost Effectiveness of Topical Vancomycin Powder in Total Hip Arthroplasty, Orthopedic Research Society, March 2018.

Poster Exhibit
Hubbard,L, Froehlich JA, et al. Less is More: Reducing Unnecessary Testing during the Total Joint Replacement Surgical Experience. NAON, May 2016. Lake Buena Vista Florida

Poster Exhibit
Hubbard L, Froehlich JA, et al. Bridging the Great Divide: Hospital to Home after Total Joint Replacement. UHC Annual Conference, October 2015. Orlando Florida

Defilo J, Froehlich JA, et al. Impact of a Geriatric Co-management Program for Elective Joint Replacement. AGS Annual Meeting, May 2014. Orlando, Florida

Poster Exhibit
Rittnerman SA, Froehlich JA et al. Glycosaminoglycan Release from Cartilage Exposed to Tranexamic Acid. Orthopedic Research Society, February 2014

Poster Exhibit
Froehlich JA, et al. Rapid Mobilization Program as a Part of a Comprehensive Total Joint Replacement Center. UHC Annual Conference, September, 2013. Atlanta, GA

Poster Exhibit
Froehlich JA, et al. Less is More: Reducing Unnecessary Testing during the Total Joint Replacement Surgical Experience NAON 2016 Annual Congress
May 22-24, 2016 Orlando, Florida

Poster Exhibit

Froehlich JA, et al. Use of Dashboard Metrics Coupled with a Governance Model to Drive Continued Improvement of a Comprehensive Total Joint Center. UHC Annual Conference. September 13-14, 2012. Orlando, Florida

Poster Exhibit

Froehlich, McTighe, Cameron, Keggi, Keggi, Kennon and Woodgate. Defining The Role of Modular Stem Designs in THA. International Society for Technology in Arthroplasty(ISTA) 19th annual Symposium, October 6-9, 2006. NY, NY

Poster Exhibit

Keggi, Keggi, Kennon, Tkach, Low, Froehlich, McTighe, Cheal and Cipolletti. Within Any Important Issue , Femoral Component Failure, International Society for Technology in Arthroplasty(ISTA) 19th annual Symposium, October 6-9, 2006. NY, NY

Abstract/Poster Exhibit

Froehlich JA, et al. Acute Repair of Ruptures of the Extensor Mechanism of the Knee Without Hardware. AAOS, March 7, 1991. Anaheim, California

Poster Exhibit

Froehlich JA, Dorfman GS, Cronan JJ. Technique of Compression Ultrasound. AAOS, February 1989. Las Vegas, Nevada

Abstract

Froehlich JA, Cronan JJ, Dorfman GS. Efficacy of Compression Ultrasound for Detection of DVT in Orthopaedic Patients. AAOS, February 11, 1989. Las Vegas, Nevada

Poster Exhibit

Dorfman GS, Cronan, JJ, Froehlich JA. #962: Serial Compression Ultrasound in a Population at High Risk for DVT. Radiology Society of North America, December 2, 1988. Chicago, Illinois

Abstract

Harris CM, Froehlich JA. Knee Fusion with Intramedullary Rods for Failed Total Knee Arthroplasty, Yearbook of Orthopaedics, 1986

PRESENTATIONS-Regional/National

August 1 -2, 2014

Co-Director :Total Hip Arthroplasty for Engineers

Dupuy Orthopedics

Raynham, MA

September, 2013

University Healthsystem Consortium. Podium presentation- Transfusion Reduction Program

University Healthsystem Consortium, Poster presentation- Rapid Mobilization Program

Atlanta, Ga

November 16, 2012
Program Director/Futurescape Program-Future Leaders Resident Acetabular Preparation Skills Course
Depuy Orthopedics
Raynham, MA

September 13-14, 2012
UHC Annual Conference "Use of Dashboard Metrics Coupled with a Governance Model to Drive
Continual Improvement in Performance of a Comprehensive Total Joint Replacement Center"
Abbott, D; Hubbard, L; Froehlich, J; Ferguson, G
Orlando, FL

September 13, 2012
UHC Annual Conference "Recipe for success-Reconstructing a Total Joint Replacement Surgery
Program"
Abbott, D; Hubbard, L; Froehlich, J; Ferguson, G
Orlando, FL

May 19, 2012
Program Director/Futurescape Program-Future Leaders Resident Acetabular Preparation Skills Course
Depuy Orthopedics
Raynham, MA

February 8, 2012
Keeping It Moving: Challenges in Maintaining an Active Lifestyle, Friends of Lifespan
Palm Beach, FL

November 19, 2011
Program Director/Futurescape Program-Future Leaders Resident Acetabular Preparation Skills Course
Depuy Corp
Raynham, MA

May 15-17, 2003
Depuy Orthopedics
"Issues In Reconstruction Surgery"
Freeport Grand Bahamas

March 22, 1993
Johnson & Johnson Orthopaedics
Update-"DVT Detection & Screening in Reconstructive Surgery"
Vail, Colorado

February 18-24, 1993
AAOS
Green/Froehlich: "Prophylaxis & Screening for Detection of DVT in a Hip Population"
San Francisco, California

November 9, 1991
American Orthopaedic Society
"A Case Study: Thromboembolic Complications
in Orthopaedic Surgery. A Review of Recent
Progress & Statement of Unanswered Questions"
Washington, DC

May 9, 1991
Johnson & Johnson Orthopaedics
"Exposure & Grafting Techniques in Total Knee

Arthroplasty"
Williamsburg, VA

May 11, 1991
Johnson & Johnson Orthopaedics
"Detection & Prophylaxis for Deep Venous
Thrombosis"
Williamsburg, VA

May 9-12, 1990
Arthritis of the Knee and Hip
"Practical Management for the 1990's"
Depuy Orthopedics
Hilton Head, South Carolina

February 12, 1990
AAOS
"Efficacy of Perioperative Screening for Detection of
DVT in Hip Fracture Patient"
New Orleans, LA

March 31, 1989
AOA/Resident-Fellow Conference
"Efficacy of Compression Ultrasound"
Rochester, NY

April 3, 1988
St. Anne's Hospital
Combined Medical/Surgical Grand Rounds
"Deep Venous Thrombosis: Detection and
Prophylaxis"
Fall River, MA

July 19-20, 1986
Primary Care of Common Hand Injuries
American Society for Surgery of the Hand
Newport, Rhode Island

August, 1985
Newport Course in Radiology/Musculoskeletal
Review
Newport, Rhode Island

PRESENTATIONS-Local

October 2017,2018,2019
Annual Fellowship Interview Welcome and Overview
Providence, RI

November 2017
Annual Brown/University Orthopedics Symposium
Outcomes of Hip & Knee Replacement: Systems and Economics of a TJC of Excellence
Providence, RI

June 13, 2016
Joint Meeting Coastal Medicine and B/C-B/S
Update of TJC metrics at The Miriam Hospital
Providence, RI

September 11, 2015
Update-TJC at TMH
Board of Governors
Providence, RI

March 9, 2015
Infections & Total Joint Arthroplasty
Resident Education Series
Providence, RI

December 9, 2013
Total Joint Center Update
The Miriam Hospital Quarterly Oversight Committee
Providence RI

November 16, 2013
Primary Care Management of Adult Orthopedic Patient. "Surgical Options for the Arthritic Knee"
Providence, RI

July 2, 2013
Cost Containment Decisions
Total Joint Center Surgeons Group-TMH
Providence, RI

February 25, 2013
Unicompartmental Arthroplasty
Resident Education Series-RIH
Providence, RI

April 18, 2012
Total Joint Center Progress—Role of the Teams
The Miriam Hospital Nursing & OR Staff
Providence, RI

February 13, 2012
Total Joint Center Update
The Miriam Hospital Quarterly Staff Association
Providence, RI

September 24, 2011
Women Wellness Workshop Presentation
Crown Plaza
Warwick, RI

March 25, 2011
Total Joint Center Update
The Miriam Hospital Board of Governors-TMH
Providence, RI

January 30, 2011
Periprosthetic Femur Fractures Associated with Lower Extremity Arthroplasty
Resident Education Series-RIH
Providence, RI

January 24, 2011
Adult Conference
"Primary TKA"
Providence, RI

November 8, 2008
Reconstructive Orthopedics & Total Joint Replacement Seminar
Management of Knee Arthritis Including Surgical Outcomes
Providence, RI

May 3, 2000
RI Chapter American Physical Therapy Association
Spring Lecture
Degenerative Changes in the Knee
Kent Hospital
Warwick, Rhode Island

October 30, 1997
Rhode Island Hospital/Lifespan Series
Knee Reconstruction
Providence, Rhode Island

April 15, 1997
R.I. Chapter American Physical Therapy Association
Spring Lecture Series
Shoulder Ailments
Kent County Memorial Hospital
Warwick, Rhode Island

March 4, 1997
Orthopedic Reconstruction Conference
Osteotomies for Arthritis & Deformity-RIH
Providence, RI

February 18, 1997
Examination of the Knee
Rhode Island Medical Foundation-RIH
Providence, RI

October 15, 1996
Medical Grand Rounds
Medical and Surgical Management of Osteoarthritis
Rhode Island Hospital
Providence, RI

September 11, 1996
Orthopaedic Grand Rounds
Deficiencies in Lower Extremities
Rhode Island Hospital
Providence, RI

October 26, 1995
Common Knee Injuries
Abacus Management Group, Inc.
Cranston, RI

April 6, 1995
Common Knee Injuries

Beacon Mutual Insurance Company
Warwick, RI

November 5, 1994
Sports Injuries and Treatment of Knee Dysfunction
The Miriam Hospital/Arthritis Foundation
Providence, RI

Orthopedics Today --- Moderator
12, 30 minute segments dedicated to common
orthopedic problems/issues
WFIT/TV 23
Aired summer & fall 1994
Providence, RI

January 20, 1994
Controversies in Orthopaedics
A Satellite Conference
HA Coated Hip
Site Moderator
Rhode Island Hospital
Providence, RI

May 27, 1993
Arthritis Foundation of Rhode Island
"Arthritis and Its Treatment"
East Providence, RI

April 22, 1993
Arthritis Foundation of Rhode Island
Matilda Irving Lecture Series
Moderator: "Osteolysis in Total Hip Arthroplasty"
Providence, RI

January 27, 1993
Rhode Island Hospital Orthopaedic Grand Rounds
Knee Reconstruction: New Solutions/New Problems
Providence, RI

March 23, 1991
University Orthopedics
4th Annual Sports Medicine Symposium
"Knee Injuries, New Solutions to Old Problems"
Providence, RI

September 11, 1996
Orthopaedic Grand Rounds
Deficiencies in Lower Extremities
Rhode Island Hospital
Providence, RI

September 14, 1990
Rheumatology Grand Rounds
Diagnostic and Surgical Arthroscopy

Roger Williams Hospital
Providence, RI

May 19, 1990
Kenneth G. Burton Lecture Series
"Evolving Knowledge in the Detection and Prophylaxis of Deep Venous Thrombosis in the Orthopaedic Patient with Hip Fracture"
Providence, RI

May 4, 1990
University Sports Medicine Symposium
Bryant College
"Reconstructive Surgery"
Smithfield, RI

February 22, 1989
American Physical Therapy Association
University of Rhode Island
"Radiologic Imaging of the Shoulder"
Kingston, RI

September 13, 1988
Orthopaedic Grand Rounds
"Management of Pathologic Long Bone Fractures"
Providence, RI

March 16, 1988
Combined Orthopaedic/Neurosurgical Conference
Rhode Island Hospital/Brown University
"Thoraco-lumbar Spine Fractures"
Providence, RI

January 25, 1988
Rhode Island Hospital/Brown University
Pathology Conference
"Principles of Tumor Surgery"
Providence, RI

December 5, 1987
Rhode Island Hospital/Brown University
Combined Orthopaedic/Plastic Surgery
Hand Conference
"Extensor Tendon Injuries"
Providence, RI

November 28, 1987
Orthopaedic Grand Round
"Management of the Elderly With Hip Fractures"
Providence, RI

January 22, 1987
Combined Orthopaedic/Plastic Surgery
Hand Conference
"Rheumatoid Arthritis of the Hand"
Providence, RI

December 17, 1986
Orthopaedic Nursing Rounds
"Anticoagulation in Orthopaedic Patients"
Providence-RI

October 11, 1986
Orthopaedic Grand Rounds
"Controversy in Orthopaedic DVT Prophylaxis -RIH
Providence, RI

September 4, 1986
Orthopaedic Chief Conference
"Legg Calve Perthes-Literature Reviews"
Providence, RI

April 25, 1986
Orthopaedic Chief Conference
"Septic Hip/Osteomyelitis in the Newborn"
Providence, RI

February 13, 1986
Combined Orthopaedic/Plastic Surgery
Hand Conference
"Hand Fractures"
Providence, RI

UNIVERSITY TEACHING ROLES

Brown University Medical School:

Coordinator/Supervision of monthly orthopedic resident conference in Adult Reconstruction

Mentor to several residents for ongoing projects both clinically and lab based

March 11, 1997, Brown University Medical School, Pharmacology/Pathophysiology course, Arthritis & Medical Management, Providence, RI

1989 to present: Musculoskeletal Anatomy
Hip & Knee, Department of Orthopedic Surgery Brown University

1989 to present: Adult Reconstruction Core Curriculum
Department of Orthopedic Surgery Brown University

1989 to present: Supervise and educate 12-16 Orthopedic surgery
Residents each year

Rotating basis: Small Group leader, Pathophysiology Brown 282, supporting studies, Brown University School of Medicine

Resident & Student Research Supervisor

E. Cohen—Use of the RAPT tool to predict length of stay and disposition 2017

S. Ritterman—Reduction in Transfusion in the Anemic Patient 2016

S. O'Donnell---Influence of Primary Language on LOS, Complications & Costs Associated with Total Joint Replacement 2015

J. Tuttle---TXA Use in Reduction of Transfusion Requirements & Cost Effectiveness 2013/2014

J. Bliss—Biomechanical Testing of Trochanteric Fixator in a Total Hip Arthroplasty Model (2000-2007)

A. Patel—Literature Review/Case Report of Failures associated with module femoral components (2006-2007)

P. Dimond—Evaluation of Abductor Strength following Total Hip Arthroplasty via Direct Lateral Approach (1989)

C. DiGiovanni--- Biomechanical Analysis of Tibial Plateau Deficiency in Total Knee Reconstruction

A Green---Incidence of DVT in Hip Fracture Population

Research Projects:

Cohen EM, Froehlich JA, et al. Does the Risk Assessment Predictive Tool Predict Discharge Disposition and Length of Stay after Total Hip Arthroplasty? Statistical Analysis in Progress

Cohen EM, Froehlich JA, et al. The Risk Assessment Predictive Tool Enhances the Rapid Recovery Pathway in Total Hip Arthroplasty. Data Collection in Progress

Rhode Island Hospital/Brown University Medical School Department of Orthopaedics, J.A. Froehlich, M.D., R.K., G. Dorfman, M.D., J. Cronan, M.D., Clinical Investigation of Detection and Prophylaxis of Deep Vein Thrombosis in the Orthopaedic Patient

January, 1978 to June, 1979, Cornell University Department of Biochemistry, Donald B. McCormick, M.D.
Senior Honor Program Synthetic Flavin Synthesis.

June, 1977 to August, 1977, Rosewell Park Cancer Institute Department of Experimental Therapeutics, Ralph Bernacki, M.D. Studies of Effectiveness of Chemotherapeutic Agents.

March-May, 1975 & June-August, 1974, S.U.N.Y. at Buffalo Department of Biochemical Pharmacology, Drs. Hashimoto, Wilkins, Back Pharmacologic Effects of Bradykinins in Patients Post M.I..

PERSONAL

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|--------------|---|
| DOB | May 1, 1957 |
| Home Address | 27 Dryden Avenue Pawtucket RI 02860 |
| Spouse | Susan Odessa Froehlich |
| Children | Benjamin A. Froehlich Allison J. Froehlich |

