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PROFESSIONAL PRACTICE

2008-Present	<i>Physiatry Attending</i> Interventional-Spine Specialist Pain Partners, MD Lafayette, Colorado
2003-2008	<i>Physiatry Attending</i> Interventional-Spine Specialist Boulder Neurosurgical Associates Boulder, Colorado
2000-2003	<i>Physiatry Attending</i> Interventional-Spine Specialist Chicago Institute of Neurosurgery and Neuroresearch Chicago, Illinois
2004-Present	<i>Team Physician</i> Federal Bureau of Investigation SWAT Team, Denver Division Denver, CO
2000-2005	<i>Team Physician</i> Field Traumatology and Musculoskeletal Medicine Deployment Medicine Group Federal Bureau of Investigation-Hostage Rescue Team (HRT) Quantico, Virginia

SPECIALTY TRAINING

1999-2000	<i>Fellowship</i> Interventional Spine, Occupational, and Pain Medicine Georgia Pain Physicians Atlanta, Georgia
1996-1999	<i>Residency</i> Physical Medicine and Rehabilitation Rehabilitation Institute of Chicago Northwestern University Chicago, Illinois
1995-1996	<i>Internship</i> Internal Medicine Northwestern Memorial Hospital and the Rehabilitation Institute of Chicago Northwestern University/Feinberg School of Medicine Chicago, Illinois

EDUCATION

1991-1995 *Medical School*
Wayne State University School of Medicine
Doctor of Medicine (finished in top third of class)
Detroit, Michigan

1987-1991 *Undergraduate*
University of Michigan
Bachelor of Arts in English Language and Literature
Ann Arbor, Michigan

LICENSURE / PRIVILEGES

2006-Present Exempla Good Samaritan Medical Center, Staff Privileges, Lafayette, CO
2004-Present Longmont United Hospital, Staff Privileges, Longmont, CO
2003-Present Boulder Community Hospital, Staff Privileges, Boulder, CO
2003-Present Medical License, State of Colorado
2003-2004 Neurologic and Orthopedic Institute of Chicago, Staff Privileges, Chicago, IL
2002-2008 Board Certified-American Board of Independent Medical Examiners
2002-2008 Advanced Trauma Life Support Certified
2000-Present Board Certified-American Board of PM&R (Examination Rank: ninety-eighth percentile)
2000-2005 Medical License, State of Illinois
2000-2005 State of Illinois Controlled Substance License
2000-2003 St. Joseph/Columbus Hospitals, Staff Privileges, Chicago, IL
1999-Present Drug Enforcement Administration Controlled Substance Federal License
1999-2001 Medical License, State of Georgia
1995-1999 Medical License, State of Illinois (Intern/Resident)
1994-2008 Advanced Cardiac Life Support Certified
1993-Present Diplomate of United States Medical Licensing Examination (USMLE Step I-III)

ACADEMIC APPOINTMENTS / POSITIONS

2004-Present Clinical Instructor
University of Colorado School of Medicine
Department of Rehabilitation Medicine
University of Colorado Health Sciences Center, Denver, CO

2001-2004 Visiting Assistant Professor
Rush Medical College
Department of Neurological Surgery
Rush-Presbyterian-St. Luke's Medical Center, Chicago, IL

2001-2003 Interventional Physiatry Fellowship Instructor
Chicago Institute of Neurosurgery and Neuroresearch, Chicago, IL

1998 Resident Coordinator and Supervising Prosector, Resident Anatomy Course
Rehabilitation Institute of Chicago, Chicago, IL

1996-1998 Anatomy Prosector, Resident Anatomy Course
Rehabilitation Institute of Chicago, Chicago, IL

HONORS / SCHOLARSHIPS

2000 Medical Education and Research Institute Interventional Fellow's Scholarship
Dannemiller Memorial Education Foundation
Memphis, Tennessee

1998 The Scholl Recognition Award for Rehabilitation Research
Dr. Scholl Foundation
Chicago, Illinois

RESEARCH / PUBLICATIONS

- 2006 Arends GN, Windsor RE, "Percutaneous Dorsal Column Spinal Stimulation", Atlas of Neurosurgical Techniques, Chapter 113, Ed. Fessler, Sekhar, 2006.
- 2001 Arends GN, "Intradiscal Electrothermal Annuloplasty for the Management of Chronic Discogenic Pain: A Review of Current Concepts and the Literature", American Pain Society Bulletin, Volume 11, Number 4, July/August 2001, pp. 1-14.
- 1998 Arends GN, Kelly JP, McCrea M, Randolph C, White S, "Test-Retest Outcomes of the Standardized Assessment of Concussion in High School Football Players", inclusion in compilation SAC Study; McCrea M, Kelly JP, et al: Standardized Assessment of Concussion: on-site mental status evaluation of the athlete. J Head Trauma Rehabilitation 1998; 13(2): 27-35.

PRESENTATIONS / LECTURES / TEACHING

- 2008 "Current Concepts of Lumbar Discography", Current Techniques in the Treatment of Cranial and Spinal Disorders Annual Symposium
Omni Interlochen Resort, Broomfield, CO
- 2008 "The Physiatric Approach to Lumbago and Sciatica", Boulder Community Hospital Pain Awareness Month
Boulder Community Hospital, Boulder, CO
- 2007 "Percutaneous Disc Decompression", Current Techniques in the Treatment of Cranial and Spinal Disorders Annual Symposium
Westin Hotel, Westminster, CO
- 2006 "Conditions that can Mimic Spinal Pain Syndromes", Current Techniques in the Treatment of Cranial and Spinal Disorders Annual Symposium
Westin Hotel, Westminster, CO
- 2005 "Suboccipital Cephalalgia" University of Colorado PM&R Residency Program Grand Rounds
University of Colorado Health Sciences Center, Denver, CO
- 2005 "Lumbago and Sciatica", Current Techniques in the Treatment of Cranial and Spinal Disorders Annual Symposium
Omni Interlochen Resort, Broomfield, CO
- 2004 "Contemporary Spine Care", CAHAV Convention
Colorado Healthcare Auxiliaries, Vail, CO
- 2004 "Spinal Interventions", Spinal Disorders Symposium
The Boulderado, Boulder, CO
- 2004 "Spinal Electrodiagnostics", Spinal Disorders Symposium
The Boulderado, Boulder, CO
- 2002 "Interventional Spine Care", CME Grand Rounds
Lakeshore Medical Group, Chicago, IL
- 2002 "Spinal Injections and Interventions", McKenzie Lecture Series
Advocate Ravenswood Medical Center, Chicago, IL
- 2001 "Spinal Interventions", Symposium for Case Managers
Chicago Institute of Neurosurgery and Neuroresearch, Chicago, IL
- 2001 "Interventional Physiatry: Intradiscal Interventions", Grand Rounds
Schwab Rehabilitation Hospital, Chicago, IL
- 2001 "Discogenic and Radicular Pain: Percutaneous Intradiscal Interventions", Grand Rounds
The Rehabilitation Institute of Chicago, Chicago, IL
- 2001 "Percutaneous Intradiscal Interventions", Midwest Clinical Conference

2001	"Discography and Disc Annuloplasty Cadaver Course", Principal Instructor The Glenbrook Spine Center, Glenbrook, IL
1999	"Test-Retest Outcomes of the Standardized Assessment of Concussion in High School Football Players", Resident Research Colloquium The Rehabilitation Institute of Chicago, Chicago, IL
1998	"The Extensor Forearm and Wrist", Resident Physician Anatomy Course The Rehabilitation Institute of Chicago, Chicago, IL
1997	"The Shoulder", Resident Physician Anatomy Course The Rehabilitation Institute of Chicago, Chicago, IL

PROFESSIONAL ORGANIZATIONS

2004-Present	Colorado Medical Society
2004-Present	Boulder Medical Society
2002-Present	American Board of Independent Medical Examiners
2000-Present	North American Spine Society
2000-Present	International Spinal Intervention Society
1998-Present	Physiatric Association of Spine, Sports, and Occupational Rehabilitation
1996-Present	American Academy of Physical Medicine and Rehabilitation (Fellow)

PROFESSIONAL COURSES

2004	Biological Nuclear Incendiary Chemical Explosive Weapons of Mass Destruction Clinical Care Course Denver Training Center, Denver, CO
2002	Advanced Trauma Life Support for Doctors American College of Surgeons, Chicago Committee on Trauma Rush-Presbyterian St. Luke's Medical Center, Chicago, IL
2002	American Board of Independent Medical Examiners ABIME Certification Review Course Chicago, IL
2002	11 th Annual John J. Bonica Pain Conference Las Vegas, NV
2001	Nucleoplasty™ Symposium Presented by ArthroCare Spine Chicago, IL
2001	Electrodiagnosis and Clinical Neurophysiology, 24 th Annual Course "A High Intensity Review" The Rehabilitation Institute of Chicago, Chicago, IL
2000	Operational Emergency Medical Skills Course Operational and Emergency Medical Support Group, Aquia, VA
2000	PASSOR Interventional Hands-On Cadaver Course "Advanced Track" Scottsdale, AZ
2000	Interventional Therapies Workshop "Neurostimulation and Intrathecal Infusion Systems" Medical Education and Research Institute, Memphis, TN
2000	Oratec Intradiscal Electrothermal Therapy Course "Techniques for Percutaneous Electrothermal Treatment for Discogenic Pain" Glancy Outpatient Center, Atlanta, GA

- 1999 Robert G. Addison Pain Symposium
"Phantom Limbs...Gateway to the Brain"
The Rehabilitation Institute of Chicago, Chicago, IL
- 1999 Annual Multidisciplinary Brain Injury Course
"Concussion in Sports: Prevention, Evaluation, and Management"
The Rehabilitation Institute of Chicago, Chicago, IL
- 1999 Electromyography and Clinical Neurophysiology, 22nd Annual Course
"A High Intensity Review"
The Rehabilitation Institute of Chicago, Chicago, IL
- 1998 Rehabilitation Sports Medicine Conference XI
"Case Studies in Sports Medicine"
The Rehabilitation Institute of Chicago, Chicago, IL
- 1998 Oratec Intradiscal Electrothermal Therapy Course
"Techniques for Percutaneous Electrothermal Treatment for Discogenic Pain"
Rush-Presbyterian St. Luke's Medical Center, Chicago, IL
- 1997 Rehabilitation Sports Medicine Conference X
"Sports-Specific Injuries"
The Rehabilitation Institute of Chicago, Chicago, IL
- 1997 "Lower and Upper-Limb Prosthetics and Orthotics for Physicians"
Northwestern University, Chicago, IL

COMMUNITY ACTIVITIES

- 2003 Topoff 2 Anti-Terrorism Exercise, Chicago, IL
Training medical coverage
- 1999 Wheeling High School, Wheeling, IL
Base-line concussion assessments for all high school athletes
- 1998 Bastille Day Five-Kilometer Race, Chicago, IL
Event medical coverage for all athletic participants
- 1997-1998 Condell Medical Center, Libertyville, IL
Pre-participation physical combine for regional school-system high school athletes
- 1997 Chicago Marathon, Chicago, IL
Event medical coverage for all athletic participants
- 1996-1998 Ridgewood High School, Norridge, IL
On-field medical coverage for Varsity and JV football teams
Annual multi-sport pre-participation physicals for all high school athletes
- 1996-1998 Wirtz Sports Center, Rehabilitation Institute of Chicago
Volunteer Assistant, Disabled Weight-Lifting Program
- 1996-1997 Chase Corporate Challenge, Chicago, IL
Event medical coverage for all athletic participants
- 1996 Chicago Triathlon, Chicago, IL
Event medical coverage for all athletic participants