



## STEVEN GANZEL, DO, MS

### EDUCATION

<b>Doctorate of Osteopathic Medicine</b> Michigan State University College of Osteopathic Medicine   East Lansing, MI	1989 – 1993
<b>Master of Science – Exercise Physiology</b> (Sports Medicine Emphasis) University of Kentucky   Lexington, KY	1986 – 1988
<b>Bachelor of Science: Education</b> Asbury University   Wilmore, KY	1984
<b>Bachelor of Arts: Biology</b> Asbury University   Wilmore, KY	1982

### POST GRADUATE TRAINING

<b>Interventional/Chronic Pain Fellowship</b> (Chief Fellow) Georgia Pain Physicians   Marietta, GA	2008 – 2009
<b>Physical Medicine and Rehabilitation Residency</b> Schwab Rehabilitation Hospital University of Chicago   Chicago, IL	2005 – 2008
<b>Orthopaedic Surgery Residency:</b> Orthopaedic Surgery Department Naval Medical Center   Portsmouth, VA	1998 – 2002
<b>Medical Internship:</b> Family Practice Department Naval Hospital Charleston   Charleston, SC	1993 – 1994



## CERTIFICATIONS / LICENSES

Commonwealth of Kentucky	
State of Georgia	
State of Illinois	
State of Wisconsin	
Commonwealth of Virginia	
National Board of Osteopathic Medical Examiners	Parts I, II, and III
American Board of Physical Medicine and Rehabilitation	Parts I and II
American Board of Pain Medicine	
Advanced Burn Life Support	
Advanced Cardiac Life Support (instructor)	
Basic Life Support	
Combat Casualty Care Certification	
Intermediate Officer Leadership Course	
Navy Medicine Customer Relations Program	
Pediatric Advanced Life Support	

## PROFESSIONAL EXPERIENCE

### **Staff Physician**

2019 – present

Aptiva Health | Louisville, KY

- Perform all duties of a full-time staff physician. Practice focus is on orthopaedic/sports injuries, acute pain and interventional pain management. Evaluate and treat patients for acute pain and orthopaedic injuries. Also perform clinic interventional procedures, including (but not limited to) epidural steroid injections, medial branch blocks and radiofrequency ablations (conventional), selective nerve root blocks, sympathetic, stellate ganglion, trigeminal nerve, hypogastric, celiac plexus and ganglion impar blocks, small and large joint injections, peripheral/central nerve blocks, discography, minimally invasive lumbar decompression (MILD) procedure, and peripheral nerve and spinal cord stimulator trials. Perform various clinic-based injections and treatments, including trigger point injections, TMJ injections, greater occipital, and superior orbital blocks, PRP injections and various manual medicine treatments.

### **ACS Assistant Medical Director – PSC Staff Physician**

2014 – 2019

Pain Treatment Center of the Bluegrass | Lexington, KY

- Performed all duties of the Assistant Medical Director for the Ambulatory Surgery Center (ASC), which included supervising six staff interventional physicians, verifying performance and standards for all interventional procedures, developing and maintaining protocols for all ASC staff physicians, nursing



staff and medical support staff. Involved in decision making regarding purchases and maintaining ASC equipment and supplies, and allotment of ASC resources. Served as a member of the ASC Governing Board, which performed quality assurance for ASC physicians and staff, and verified conformity with Joint Commission on the Accreditation of Healthcare Organizations (JCAHO) standards.

Performed all duties of a full-time staff physician. Practice focus was on chronic and interventional pain management. Performed clinic interventional procedures, including (but not limited to) epidural steroid injections (cervical, thoracic and lumbar), spinal facet (cervical, thoracic and lumbar) injections, medial branch blocks and radiofrequency ablations (conventional), selective nerve root blocks, sympathetic, stellate ganglion, trigeminal nerve, celiac plexus, hypogastric and ganglion impar blocks, small and large joint injections, peripheral/central nerve blocks, discography, minimally invasive lumbar decompression (MILD) procedure, and IT pump, peripheral nerve and spinal cord stimulator trials, also performed various clinic-based injections and treatments, including trigger point injections, TMJ injections, greater occipital, and superior orbital blocks, and various manual medicine treatments.

**Pharmaceutical Speaker**

2015 – 2018

DepoMed Pharmaceuticals

- Served as a pharmaceutical medical expert for the medications Nucynta and Nucynta ER. Speaking engagements required presentations to physicians, physician assistants, nurses and other healthcare providers regarding the history, pharmacology, indications, dosage and side effects of Nucynta and Nucynta ER.

**Pharmaceutical Speaker**

2013 – 2014

Iroko Pharmaceuticals, LLC

- Served as a pharmaceutical medical expert for the medication Zorvolex. Speaking engagements required presentations to physicians, physician assistants, nurses and other healthcare providers regarding the history, pharmacology, indications, dosage and side effects of Zorvolex.

**Staff Physician**

2009 – 2014

MSA (Musculoskeletal Associates | Albany, GA

- Performed all duties of a full-time staff physician. Practice consisted of general Orthopaedics and spine (e.g., sports medicine, fractures, and general orthopedic diagnoses) as well as acute and chronic pain. Performed the vast majority of clinic interventional procedures (approximately 2,000-2,500 patients per year) including (but not limited to) epidural steroid injections (cervical, thoracic and lumbar), spinal facet (cervical, thoracic and lumbar) injections, medial branch blocks and radiofrequency ablations (conventional and cooled), selective nerve root blocks, sympathetic, stellate ganglion, hypogastric and ganglion impar blocks, small and large joint injections, peripheral/central nerve blocks, discography and peripheral nerve and spinal cord stimulator trials. Also performed various clinic-based injections and treatments, including trigger point injections, TMJ injections, greater occipital, and superior orbital blocks, and various manual medicine treatments.



**Interventional Pain Management Fellow – Chief Fellow**

2008 – 2009

Georgia Pain Physicians | Marietta, GA

- Performed all duties of fellow, including outpatient pain management clinic and interventional procedures in five separate offices in the metro Atlanta area. Procedural experience included clinic-based major joint injections and manual medicine treatment, as well as fluoroscopic guided procedures. Fluoroscopic guided procedures included (but were not limited to) epidural steroid injections (cervical, thoracic and lumbar), spinal facet (cervical, thoracic and lumbar) blocks and ablations, selective nerve root blocks, vertebroplasty, percutaneous discectomy, discography, major joint injections, peripheral and central nerve blocks, intrathecal pump trials as well as trial and permanent peripheral nerve and spinal cord stimulator placement. Developed and implemented standardized patient examination protocols for Electronic Medical Record (EMR). Served in leadership role as clinical instructor for junior fellows, author of fellow call and clinical schedules and coordinated fellow didactic sessions and conferences. Served as lead physician for Manipulation Under Anesthesia (MUA) program at GPP.

**Physical Medicine and Rehabilitation Resident**

2005 – 2008

Schwab Rehabilitation Hospital

Department of Physical Medicine and Rehabilitation | Chicago, IL

- Performed all duties of resident, including inpatient and outpatient management, minor procedures and interpretation of all diagnostic modalities (e.g., plain radiographs, CT, US, MRI, etc.). Acted in leadership role, directing and coordinating inpatient care as well as outpatient management. Responsible for guiding patients through the system of care and ensuring their safe discharge. Received training in various aspects of neurorehabilitation, musculoskeletal medicine and amputee care to include the application of orthotic and prosthetic devices. Attained proficiency in performance and interpretation of electrodiagnostic studies by performing and participating in EMG's at Schwab Rehab Hospital, VA Medical Center Milwaukee and the University of Illinois, Chicago. Gained additional experience with peripheral joint and trigger point injections as well as lumbar/caudal epidural steroid injections and medical management of various pain syndromes at the University of Chicago Hospital Anesthesia Pain Clinic.

Provided solo in-house coverage for all patients, managing minor, acute trauma and its sequelae, as well as emergent medical issues.

**Division Officer and Team Medical Officer**

2002 – 2005

USS Tranquility Clinic

Sports Medicine and Rehabilitation (SMART) Team | Great Lakes, IL

- Served as team physician and led the SMART Team as Division Officer, providing treatment to approximately 1,600 patients per month. Evaluated and treated recruits and staff members with musculoskeletal injuries and served as consultant to all clinic staff members for musculoskeletal and orthopedic injury diagnoses and treatment. Mentored General Medical Officers (GMO's), podiatrists, Physician Assistants (PA's), Physical Therapists, and technicians regarding history and physical examination, radiographic evaluation and treatment for Sports Medicine/Orthopedic injuries. Served as liaison between SMART Team and Orthopaedic Surgery Department at Naval Hospital Great Lakes. Performed diagnostic evaluation and treatments including minor surgical procedures, joint aspirations,



injections, fracture reductions and splitting/casting. Developed seven-part lecture series on Orthopaedic Extremity Examinations for GMO's and PA's that was presented to full clinic staff and modified for inclusion in the sickcall screener's training course. Developed over twenty standardized medical forms for Musculoskeletal Assessment to improve levels of documentation for JCAHO and coding requirements. Also developed new standard form for patient examination and treatment that continues to be used clinic wide. Modified and modernized medical databases for patient tracking. Initiated new research for musculoskeletal injuries and follow-up. Also treated recruits in clinic acute care center for all emergent complaints. Periodically served as acting Department Head for BMC 1007.

Chairman for Command Committee to refurbish and modernize the computer Internet and Intranet sites. Member of Command Pain Committee. Served as USN liaison for the Aristar© Computer Corporation and assisted in OrthoStar© product development and modification (OrthoStar has been accepted by the AAOS as the standard Orthopaedic electronic patient medical record management and tracking software).

**Orthopaedic Surgery Resident – Chief Resident**

1998 – 2002

Naval Medical Center

Department of Orthopaedic Surgery | Portsmouth, VA

- Served as administrative Chief Orthopaedic Resident. Authored resident call schedule and coordinated weekly academic schedule for department staff and residents. Authored and maintained departmental website. Maintained departmental computer workstations and audio-visual equipment.

Performed all duties of resident, to include patient management, surgical procedures and interpretation of all diagnostic modalities (e.g., plain radiographs, CT, US, MRI, etc.).

**Orthopaedic General Medical Officer; Dept. Network Administrator**

1996 – 1998

Naval Medical Center

Department of Orthopaedic Surgery | Portsmouth, VA

- Evaluated and treated patients in all Orthopaedic specialty clinics (i.e., Sports medicine, Total Joint, Trauma, Hand, and Pediatrics), assisted with various surgical procedures in major and minor operating rooms and assisted with procedures and casting in Orthopaedic Emergency Room. Maintained active involvement in several departmental research projects. Acted as liaison between Orthopaedic Surgery Department and the SURFLANT, AIRLANT and SUBLANT communities, and triaged and evaluated Orthopaedic consults sent from these commands to NMCP. Collateral duties included maintenance of all departmental computer software and hardware, and served as departmental computer network administrator for over twenty workstations.

**Medical Officer and Medical Department Head**

1995 – 1996

USS Guam (LPH-9) | Medical Department | FPO AE

- Assumed position of Medical Officer/Department Head due to unexpected loss of assigned Medical Officer prior to ship's preparation for Mediterranean Sea deployment. Conceptualized and implemented changes needed to bring USS Guam's Medical Department from C-3 (unacceptable) to C-1 (superior) status during CNSG LCRK/CPG TWO Medical Readiness Evaluation. Helped spearhead USS Guam,



Marines Corps and Fleet Surgical Team 6 medical assets into a cohesive team for deployment (MARG 1-96). Implemented imaginative sick call plan to modify departmental spaces and enhance patient care capacity. Designed and implemented clinical databases to streamline patient tracking and reports to command. Facilitated Medical Department enlisted personnel (47%) to obtain either Surface Warfare or Air Warfare designation. Orchestrated preventive medicine procedures for ship's crew (700) and embarked Marines (1,600) prior to, and during, Operation ASSURED RESPONSE, which greatly enhanced operational readiness.

**Instructor**

1994 – 2002

Fitness Education Specialists/Bally's Total Fitness | Virginia Beach, VA

- Instructed in anatomy, physiology, biomechanics, sports injury and treatment, emergency procedures and exercise in special populations. Courses were offered as preparation for national certification and continuing education for personal trainers and advanced aerobic instructors.

**Branch Head – Medical Department**

1994 – 1996

Surface Group Little Creek/COMPHIBGRU TWO | Little Creek, VA

- Quality Assurance (QA) supervisor for seven hundred Independent Duty Corpsman (IDC) and fifteen General Medical Officers. Coordinated pre-deployment Medical Readiness Inspections for all COMPHIBGRU TWO (CPG-2) ships. Tracked MEDEVAC patients from deployed Amphibious Ready Groups (ARG's). Served as liaison between CPG-2 ships and Naval Medical Center, Portsmouth, VA for appointments, consults, etc. Assisted in developing curriculum for Continuing Education Unit (CEU) Training for IDC's. Assisted COMNA VSURFLANT in upgrade of QA protocols for CPG-2 IDC's and peer review procedures for group Medical Officers. Assisted CPG-2 in development of proposal to upgrade LSD 41 class ships' operating rooms to enhance operational capabilities. Served as Senior Medical Officer for Operation SAFE PASSAGE onboard USS La Moure County.

**Graduate Assistant**

1988 – 1993

Michigan State University Department of Physical Medical & Rehabilitation  
East Lansing, MI

- Computer programming and research. Responsibilities included partial authorship of research projects, development of standardized protocols, recruitment and reimbursement of subjects and systematic data collection and data entry. Supervised other medical students and research assistants in organization and interpretation of data.

**Teaching Assistant and Laboratory Assistant**

1986 – 1988

University of Kentucky Department of Biomechanics and Health Promotion  
Lexington, KY

- Instructed undergraduate exercise physiology and various service courses. Laboratory technician in the Human Performance Laboratory. Performed hydrostatic weighing, submaximal and maximal exercise testing, flexibility testing, muscular strength and endurance testing, as well as exercise prescription. Lectured to large groups of the public regarding exercise, nutrition and overall fitness.



**Medical Staff**

1986, 1988

University of Kentucky: Bluegrass State Games | Lexington, KY

- Provided medical transportation and assisted in training room medical treatments

**Biology Instructor; Substitute Teacher**

1986 – 1988

Fayette County Public Schools | Lexington, KY

- Biology instructor for high school Juniors and Seniors

**Physical Science (Physics/Chemistry) Instructor**

1984 -1986

Fayette County Public Schools | Lexington, KY

- Winburn Junior High School. Assistant football and basketball coach. Coaching duties included physical training and minor medical treatments.

**Laboratory Technician**

1984

University of Kentucky Medical Center, Department of Physiology and Biophysics  
Lexington, KY

- Set up and care of laboratory and laboratory animals. Prepared and supervised experiments in cardiovascular physiology and pharmacology.

## RESEARCH

- Impatient Rehabilitation in a Patient with Nontraumatic Bilateral Patella Tendon Ruptured: A Case Report. *Archives of Physical Medicine and Rehabilitation*, Volume 89, Issue 11, e62-e62.
- Right Sided Hemiparesis After Evacuation of Right Subdural Hematoma. *Kernohan-Woltman Notch Phenomenon: A Case Report*. Poster Presentation (AAP, 2007).
- Clavicle Excision and Subsequent Upper Extremity Instability Secondary to Gun Shot Wound in a T5 ASIA-A Spinal Cord Injury Patient: A Case Report. Poster Presentation (AAPM & R, 2006).
- Comparison of Functional Outcome and Fracture Alignment Using Three Casting Techniques in the Treatment of Closed Metacarpal Fractures (SOMOS, 2001).
- The Effect of Rectangular Interbody Fusion Devices on Lumbar Lordosis in Posterior Lumbar Interbody Fusion (SOMOS, 2001).
- Standard Tibial Tunnel Placement versus Direct Visualization when Determining the Need for Notchplasty in Anterior Cruciate Ligament Reconstruction (SOMOS, 2000).
- Segmental Fibula Fractures with Proximal Syndesmosis Disruption (SOMOS, 2000).
- Bone Remodeling After Cementless Total Hip Arthroplasty: Quantitative Evaluation of a Modular Proximal-Ingrown, Distally Stabilized Titanium Femoral Stem
- Traumatic Brain Injury/Chronic Pain Syndrome: A Case Control Study. *Clinical Journal of Pain*. 1997 Sep; 13 (3): 244-50.



- Evaluation of the Borg Exertion Scale in Chronic Pain Patients
- Evaluation of Balance in Traumatic Brain Injury
- Standardization of Normals in Southern California Integrative Testing
- The Effects of Caffeine on Free Fatty Acid Metabolism (M.S. Thesis)

## PROFESSIONAL MEMBERSHIPS

Academy of Academic Physiatrists  
 American Academy of Orthopaedic Surgeons  
 American Academy of Physical Medicine and Rehabilitation  
 American Board of Pain Medicine  
 American College of Sports Medicine  
 American Osteopathic Association  
 American Osteopathic Association of Sports Medicine  
 American Pain Society  
 Christian Medical and Dental Society  
 National Education Association  
 Society of Military Orthopaedic Surgeons  
 Spinal Intervention Society (formerly ISIS)

## AWARDS / SCHOLARSHIPS

Armed Forces Health Professions Scholarship	Navy Battle "E" Award
Navy and Marine Corps Commendation Medal	National Defense Medal (two awards)
Navy and Marine Corps Achievement Medal	Armed Forced Service Medal
Joint Meritorious Unit Citation	Humanitarian Service Medal
Meritorious Unit Commendation (three awards)	Sea Service Ribbon
Global War on Terrorism Service Medal	NATO Medal
Surface Warfare Medical Departmental Officer Qualification	

## CONTINUING MEDICAL EDUCATION

- SIS 26<sup>th</sup> Annual Scientific Meeting. August 2018.
- MILD (Minimally Invasive Lumbar Decompression) certification course. March 2018.
- SIS 25<sup>th</sup> Annual Scientific Meeting. July 2017.
- Harvard Medical School: Evaluating and Treating Pain – Principles and Practice of Pain Medicine. June 2016.





- SIS 23<sup>rd</sup> Annual Scientific Meeting. July 2015.
- ISIS 22<sup>nd</sup> Annual Scientific Meeting. July 2014.
- International Conference on Opioids. June 2014.
- Harvard Medical School – Principles and Practice of Pain Medicine (DVD Series). August 2013.
- ISIS 21<sup>st</sup> Annual Scientific Meeting. July 2013.
- ISIS Discography Procedures Bio-Skills Lab. March 2013.
- Cooled RF Lesioning Procedures for Chronic Pain Management Intervertebral Disc Biacuplasty, Cervical, Thoracic & Lumbar Z-Joints, and Sacroiliac Joint Denervation. February 2013.
- MSKUS Ultrasound Diagnostics and Needle Guidance Course. February 2013.
- American Academy of Physical Medicine and Rehabilitation (AAPM&R) Annual Assembly. November 2012.
- Cooled RF Lesioning Procedures for Chronic Pain Management Intervertebral Disc Biacuplasty, Cervical, Thoracic & Lumbar Z-Joints, and Sacroiliac Joint Denervation. October 2012.
- ISIS 20<sup>th</sup> Annual Scientific Meeting. July 2012.
- MAG Mutual “Situational Awareness in Healthcare” Course. May 2012.
- Stryker Kyphoplasty, Cervical and Lumbar Radiofrequency Course. April 2012.
- American College of Sports Medicine 58<sup>th</sup> Annual Meeting. May 2011.
- ISIS Clinical Anatomy & Imaging Course. November 2010.
- Neurotherm – Discography, Cervical and Lumbar Radiofrequency, and SI Joint Radiofrequency Course. August 2010.
- ISIS Advanced Cervical Procedures Bioskills Course. March 2010.
- Medtronic Spinal Cord Stimulator (SCS/DCS) Course. February 2010.
- Boston Scientific SCS/DCS Advanced Roundtable Course. September 2009.
- ANS/St. Jude SCS/DCS Course. February 2009.
- Manipulation Under Anesthesia (MUA) Lead Physician Certification, January 2009.
- Boston Scientific SCS/DCS Course. November 2008.
- Cardinal health Percutaneous Vertebroplasty Course. October 2008.
- ANS/St. Jude SCS/DCS Course. August 2008.
- Northwestern University/RIC Prosthetics and Orthotics Course. May 2008.
- Academy of Academic Physiatrists Annual Meeting. April 2007.
- American Academy of Physical Medicine and Rehabilitation (AAPM&R) Annual Assembly. November 2006.
- NMC Portsmouth Prosthetics and Orthotics Course. 2000, 2001.
- NMC Portsmouth Microvascular Surgery Course. April 2000.

