



Angela Krull MD

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Professional Summary

Experienced spine and sports medicine physician of 18 years. Master diagnostician of musculoskeletal and other pain disorders with prevention and rehabilitation focused approach to injury and disease. Committed to the functional medicine model of care. Comprehensively trained at the Institute of Functional Medicine and competent to provide advanced wellness testing and interpretation. Knowledgeable in regenerative medicine strategies. Interested in healthy aging and menopause care.

Skills

Endo + Hormone Testing Genova Diagnostics	GI Effects Stool Testing Genova Diagnostics
Exercise Prescription	Trigger Point Injections
Tendon Sheath and Bursa Injections	Disability Evaluation
EMR Proficient Advanced MD and Triarq	Medical Cannabis QMP
Botox for Migraine	PRP
Independent Medical Examinations	Telehealth Evaluations
Flouroscopically Guided Injections of Joints and Spine	Clinical Research
MRI Interpretation of Spine and Joints	EMG/ NCS

Work History

05/2024 - Current

Founder
Prime Life PLLC, Draper, UT

- Established new entity and lifestyle brand
- Independent contractor providing medical services relating to functional medicine, physical medicine and rehabilitation, clinical research and medical-legal expert services
- Support ongoing personal education and development of functional medicine and menopause related skillset

01/2013 - Current

Affiliated Clinical Research Investigator
Physicians' Research Options, LLC (PRO), Draper

- Principal Investigator or Sub Investigator over numerous FDA approved clinical trials.
- Entrusted with monitoring patient safety
- Accurate collection of outcomes data
- Following protocols with exactness
- Keeping impeccable records
- Reporting to study sponsors and interacting with monitors to ensure compliance with all aspects of studies

- Study participation has focused on novel treatments targeting joint or spine pain and disease as well as diseases or symptoms related to metabolic syndrome.

04/2023 - Current

Sports Medicine/ Spinal Interventionalist
Advanced Spine and Pain, Draper

- Provided ongoing interventional and medical care for patients in transition from The SMART Clinic to Advanced Spine and Pain.

07/2007 - 04/2023

Physical Medicine and Rehabilitation Specialist/ Spinal Interventionalist
The SMART Clinic, Draper, UT

- Co-owned and operated this private PM&R based Interventional Sports Medicine/ Spine practice, serving wide variety of needs related to injury, chronic disease, aging, pain and disability.
- Thorough diagnostic workup and interpretation
- Traditional interventional treatments including epidural injections, RFA, joint injections, spinal cord stimulation, TPI, nerve blocks,
- Migraine management including botox, CRGP inhibitors, at home devices
- Medication management for chronic pain, muscles spasm, neuropathy, inflammation
- Regenerative medicine treatments including PRP, exosomes, with appropriate imaging
- Worked both as provider and independent legal expert in personal injury matters and provided industrial injury care.
- Well rounded patient guidance included personalized exercise programs, nutrition counseling, attention to lifestyle contributors and development of comprehensive rehabilitation programs to restore function, prevent injury, and delay disease progression.
- Modeled and encouraged healthy living as key to success over time
- Collaborated and effectively communicated with therapists, mental health providers, attorneys, case managers, worker's comp adjustors, employers, coaches, and other physicians
- Directed HR tasks and created positive, healthy work environment with rare employee turnover
- Dissolved this business in 2023 in conjunction with the sale of its property for the mutual benefit of the owners who remain friends.

01/2021 - 01/2023

Physician Life Care Planner
Physician Life Care Planning, LLC

- Affiliate physician retained as medical expert
- Prepared and defended comprehensive life care plans for patients with complex injuries and disabilities.
- Interviewed and examined patients, reviewed volumes of medical records
- Created legal documents outlining patient's medical conditions and related impairments
- Detailed treatments, goods and services necessary to optimize health and quality of life over specified time interval
- Produced well researched and carefully sourced cost analysis of future medical care to assist in damages assessments
- Successfully defended each life care plan at deposition.

Training

- Immune Advanced Practice Module (IFM), March 2024
- Cardiometabolic Advanced Practice Module (IFM), January 2024
- Applying Functional Medicine in Clinical Practice APM (IFM), December 2023
- Environmental Health Advanced Practice Module (IFM), October 2023
- Gastrointestinal Advanced Practice Module (IFM), October 2023
- Bioenergetics Advanced Practice Module (IFM), August 2023
- Hormone Advanced Practice Module (IFM), July 2023
- FIG Education Life Care Planning Certification Class, June 2021
- Relievant Intracept Training and Cadaver Course, February 2021
- Vertiflex Training and Cadaver Course, December 2020
- Utah Medical Cannabis Qualified Medical Provider, March 2020
- UMA Advanced Physician Leadership Development, January 2018
- Hands-On Stem Cell Therapies and Biologics for the Clinical Application of Pain Management and Musculoskeletal Medicine, November 2017
- Buprenorphine waiver training completed, May 2015
- Utah Physician Leadership Development: Proven Skills for a New Era in Health Care, March 2015
- Regenerative Medicine Course, AAPMR annual assembly, November 2014

Education

- 07/2007 **Interventional Spine/ Sports Medicine Fellowship, *The SMART Clinic***, Sandy, UT
- 06/2006 **Physical Medicine & Rehabilitation Residency, *University of Virginia***, Charlottesville, VA
- 06/2003 **General Surgery Internship, *University of Hawaii***, Honolulu
- 05/2002 **M.D., *University Of Utah School of Medicine***, Salt Lake City, UT
- 04/1998 **Bachelor of Science, Microbiology, *Brigham Young University***, Provo, UT

Certifications

- Eligible to take IFM Certification Exam November 2024
- Life Care Planning-Certified, 2022
- American Board of Physical Medicine and Rehabilitation, Recertification, 01/18/2018, 12/31/2027
- American Board of Physical Medicine and Rehabilitation, 2006

Honors And Awards

- UVA Department of PM&R SAE-R High Score Award, 2006
- President's Citation Award, 2004 AAPMR Annual Meeting
- Phi Kappa Phi
- Cum Laude
- Full Tuition Academic Scholarship 1995-1998

Affiliations

- Institute Of Functional Medicine, 2023-present
- North American Spine Society, 2022-2023
- American Academy of Physician Life Care Planners, 2021, 2023

- Utah Medical Association, 2008-2023
- American Board of Physical Medicine and Rehabilitation, 2003, present
- American Academy of Physical Medicine and Rehabilitation, 2003, present

Publications Presentations

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- Disc progenitor cell therapy improves pain, disability, and quality of life for patients with lumbar disc degeneration: results of an FDA-approved clinical trial, *The Spine Journal*, 22, 9, S20-S21, 2022, <https://doi.org/10.1016/j.spinee.2022.06.054>
 - Lumbar Facet Cyst Removal Using Minimally Invasive Endoscopy: A Case Report, American Academy of Physical Medicine and Rehabilitation Annual Convention, Boston, MA, September 19, 2007, *Archives of Physical Medicine and Rehabilitation* 2007
 - Exercise associated muscle cramps: the effects of IV rehydration on serum electrolytes, creatine kinase, fluid balance, and substrate metabolism, South East American College of Sports Medicine, Charlotte, NC, February 8-10, 2007
 - Demographics and epidemiology of golf-related head trauma, American Academy of Physical Medicine and Rehabilitation Annual Convention, Phoenix, AZ, October 8, 2004, *Archives of Physical Medicine and Rehabilitation*
 - Outcome after hip fracture in patients with dementia: A pilot study, American Academy of Physical Medicine and Rehabilitation Annual Convention, Phoenix, AZ, October 8, 2004, *Archives of Physical Medicine and Rehabilitation*
 - Higher Hemoglobin levels appear to correlate with a greater rate of functional recovery after total knee arthroplasty, American Academy of Physical Medicine and Rehabilitation Annual Convention, Phoenix, AZ, October 8, 2004, *Archives of Physical Medicine and Rehabilitation*
 - Traditional Tongan Cures for Morning Sickness and Their Mutagenic/Toxicological Evaluations, *J. Ethnopharmacol.*, 71, 201-209, 2000
 - Wilderness Dermatology, AWLS certification, Snowmass CO, July 2006
 - Wound and Burn Management: Common Skin Injuries, University of Utah, Salt Lake City, UT, April 2005
 - Hiking Medicine, University of Utah, Salt Lake City, UT, April 2005
 - Osteoporosis Prevention and Treatment, University of Virginia Cardiac Rehabilitation Center, Charlottesville, VA, 2004

Clinical Research Experience

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- Pfizer Good Clinical Practice w/ICH Component current
 - NIH Human Subjects Research Training –current

2013: A Prospective, Randomized, Controlled Pivotal Clinical Investigation of the XXXX® Spinal Stabilization System in Patients with Lumbar Degenerative Disc Disease
 2013: A Pivotal, Multi-Center, Double-Blind Study of the Safety and Effectiveness of XXX (XX) in Patients with Mild to Moderate Osteoarthritis of the Hip
 2012-2013: A Phase 2, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study To Evaluate The Efficacy And Safety Of XXX In Subjects With Neuropathic Pain From Lumbosacral Radiculopathy
 2013: A Multicenter, Randomized, Double-blind, Controlled, Comparative Study of XXX in Patients with Lumbar Disc Herniation (Phase III)
 2014: A Randomized, Double-blind, Placebo-controlled, Multi-dose Phase 2 Study Evaluating the Safety and Efficacy of Intra-articular Injections of XXX in Subjects with Mild to Moderate Patello-Femoral Osteoarthritis Involving Both Knees
 2015: A Randomized, Double-Blind, Multi-Dose, Placebo-Controlled Study to Evaluate the Efficacy and Safety of XXX in Patients with Pain due to Osteoarthritis of the Knee or Hip
 2015: MSB-DR003: A Prospective, Multicenter, Randomized, Double-blind, Placebo-

Controlled Study to Evaluate the Efficacy and Safety of a Single Injection of XXXX Alone or Combined with Hyaluronic Acid (HA) in Subjects with Chronic Discogenic Lumbar Back Pain Through 12 Months
Amended to: MSB-DR003: A Prospective, Multicenter, Randomized, Double-blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of a Single Injection of XXX Alone or Combined with Hyaluronic Acid (HA) in Subjects with Chronic Low Back Pain
2015: A Multicenter, Open-label study of XXX in Patients with Lumbar Disc Herniation (Phase III) Protocol number: 6603-1132 (217079)
2015-16: A Multicenter, Non-Treatment, Follow-up Study to Assess the Health Economic Outcomes of Previous Pulsed Electromagnetic Field (PEMF) Therapy in the Treatment of Persistent Post-Operative Pain Following Lumbar Surgery #RBI.2015.001B
2016: A Phase 3, Randomized, Double Blind, Placebo And Active Controlled, Multicenter, Parallel Group Study Of The Analgesic Efficacy And Safety Of XXX In Adult Subjects With Chronic Low Back Pain #A4091059
2016 HS-16-555: A Phase III, Randomized, Double-Blind, Placebo-Controlled, Enriched-Enrollment Withdrawal, Multicenter Study to Evaluate the Efficacy and Safety of a Long-Acting Subcutaneous Injectable Depot of XXX (XX) in Subjects with a Recent History of Moderate to Severe Chronic Low Back Pain Currently Treated with Opioids
2018: TO START: Protocol TGC12301: A Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Phase 3 Study to Determine the Efficacy of XXX in Subjects with Kellgren and Lawrence Grade 2 or 3 Osteoarthritis of the Knee
2018: DGX-A01: A Prospective, Randomized, Double-Blinded, Vehicle-and Placebo-Controlled, Multicenter Study to Evaluate the Safety and Preliminary Efficacy of XXX in Subjects with Single-Level, Symptomatic Lumbar Intervertebral Disc Degeneration
2019: SM04690-OA-11 A Phase 3, 56-Week, Multicenter, Randomized, Double-Blind, Vehicle-Controlled Study Utilizing Patient Reported and Radiographic Outcomes to Evaluate the Efficacy and Safety of a Single Injection of XXX Injected in the Target Knee Joint of Moderately to Severely Symptomatic Osteoarthritis Subjects
2019: Corticosteroid Lumbar Epidural Analgesia for Radiculopathy (C.L.E.A.R.)
2019- SM04690-OA-10 A Phase 3, 28-Week, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of a Single Injection of XXX Injected in the Target Knee Joint of Moderately to Severely Symptomatic Osteoarthritis Subjects
2020-SM04690-OA-07 A 48-Week, Placebo-Controlled, Single Blind Extension Study Evaluating the Safety and Efficacy of XXX in Subjects with Osteoarthritis of the Knee
2020 - A Phase 3, 14-Day, Double-blind, Randomized, Placebo-Controlled, Multicenter Study of the Efficacy and Safety of XXX 100 mg and 200 mg TID in Subjects with Pain Due to Acute Back Muscle Spasm
2020 to- An Open-Label, Single Ascending Dose Study to Assess the Safety and Tolerability of XXX in Patients with Osteoarthritis of the Knee
2019-2022 A Randomized, Double-Blind, Placebo-Controlled, Multicenter, Parallel-Group, Dose-Ranging Study to Evaluate the Efficacy and Safety of 3 Doses of XXX as Compared to Placebo After 12 Weeks of Treatment in Patients with Treatment-Resistant Hypertension (rHTN)
2022: Protocol TGC12301: A Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Phase 3 Study to Determine the Efficacy of XXX in Subjects with Kellgren and Lawrence Grade 2 or 3 Osteoarthritis of the Knee (previously on hold since 2018)
2022: A Phase 2, Randomized, Double-blind, Placebo-controlled, Parallel Group, Multicenter Study to Evaluate the Safety and Efficacy of XXX in Subjects with Moderate to Severe Acute Lower Back Pain
2022: RTX-OAK-201 A Phase 2, Randomized, Active and Placebo-Controlled, Dose-Ranging Study to Evaluate the Efficacy and Safety of Intra-Articular XXXX to Treat Moderate to Severe Pain from Knee Osteoarthritis (RTX-OAK-201)
2023: as PI: Sciatica Epidural Radiculopathy Experimental New Interventional Therapy Clonidine Micropellet
2024: Start as Sub-I: Protocol I8F-MC-GPGN(a) The Effect of XXXXX versus XXXXX on Major Adverse Cardiovascular Events in Patients with Type 2 Diabetes (SURPASS-CVOT) Angela Krull, MD/Study Listing (04/16/2024)
2024: Start as Sub-I: A Phase 3, Randomized, Double-Blind Study to Investigate the Efficacy and Safety of Once- Daily Oral XXXXX Compared with Placebo in Adult

Participants with Obesity or Overweight with Weight-Related Comorbidities (ATTAIN-1).

Protocol: J2A-MC-GZGP

2024: Start as Sub-I: A Phase 3, Randomized, Double-Blind, Parallel-Group, Event- Driven, Cardiovascular Safety Study with BI XXXXX Administered Subcutaneously Compared with Placebo in Participants with Overweight or Obesity with Established Cardiovascular Disease (CVD) or Chronic Kidney Disease, And/or at Least Two Weight- Related Complications or Risk Factors for CVD.

2024: Start as PI: A Randomized, Double-Blind, Single Ascending Dose Phase 1 Study of XXXX Intra-Articular Injection for Subjects with Mild to Moderate Osteoarthritis of the Knee

2024: Start as PI: A Phase 3, Multicenter, Randomized, Double-blind, Single-dose Study to Evaluate the Efficacy and Safety of XXXXX in Subjects with Glenohumeral OsteoarthritisPfizer