

Interventional Pain Physician

Pain Management Program Development | Clinical Operation Oversight | Patient-Focused Services | Healthcare Analyses

Multiple board-certified interventional pain specialist with extensive experience in assessing, developing, and implementing multi-disciplinary pain therapies, focused on individualized and tailored treatment that combine medication management, physical therapy, counseling, and interventional procedures. Skilled at conducting in-depth evaluations of patients, performing a variety of minimally invasive procedures which identify underlying causes of pain, at providing treatment plans that promote the healing process and improve patients' quality of life. Proficient at overseeing and maintaining accurate medical documents, including treatment plans, procedures, medications prescribed, and responses to therapy. Expert in building strong collaborations with multidisciplinary teams, including committee members, staff, community leaders, and professionals services. Adept at providing concierge-level coordination of care to ensure timely and integrated services.

Areas of Expertise

- Clinical Pharmacology/Therapeutics
- Facilities Administration
- Continuous Quality Assurance
- Disability Assessments
- Treatment Plan Modifications
- Cross-Specialty Collaboration
- Regulatory Compliance
- Medical Review Officer
- Team Leadership
- Care Team Engagement
- Operational Excellence
- Astute Communication Skills

Career Experience

Owner, Portland Pain and Spine, LLC dba BALOG Regenerative, Portland, OR

2012 – Present

Champion comprehensive interventional and regenerative pain techniques and modalities to aid in the diagnosis and treatment of painful conditions.

- Offer range of procedures and treatments, including spinal cord stimulation, DRG/peripheral nerve stimulation, pain pump management, kyphoplasty, discography, SI joint fusion, Interspinous spacer, Intracept™, diagnostic and ablative procedures.
- Suggest appropriate regenerative modalities to patients based on specific medical conditions, such as intra-articular and intradiscal platelet-rich plasma, A2M, BMAC, and the Tenex® FAST procedure.

Owner, Nuxone, LLC, Portland, OR

2015 – 2017

- Offered innovative, customized, and novel Medication-Assisted Therapy (MAT) in individuals with addiction and dual diagnoses to address and treat substance use disorders.

Chief Executive Officer, Cornell Surgery Center, LLC, Beaverton, OR

2009 – 2020

Managed and coordinated day-to-day operations of entire outpatient surgery center while serving as Medical Director, Co-Founder, and Shareholder of multi-specialty medical facility.

- Supervised all medical and non-medical staff in clinical facility while certifying adequate staffing patterns and strict adherence to center policies and procedures.
- Facilitated channels of communication among board members, staff, patients, and community leaders and ensured delivery of medical services of high quality within patient-centered environment.

Owner, Corvallis Pain and Spine, LLC, Philomath, OR

2011 – 2014

Provided range of interventional procedures aimed at diagnosing and managing pain conditions through medical evaluation of each patient's condition by incorporating latest research and advancements in pain management.

- Delivered extensive evidence-based interventional and medication therapy for chronic and cancer-related pain in this satellite office of Portland Pain and Spine.

Owner, Oregon Pain Associates, LLC, Portland, OR

2004 – 2011

Diagnosed patients with chronic pain conditions and provided personalized treatment plans, including complementary and alternative modalities. Opened office in conjunction with new role as Medical Director at the Providence Portland Cancer Center.

- Developed and implemented comprehensive pain management plans with a cancer population focus, performed interventional pain procedures, and provided pre-and post-procedure care.
- Assessed patients' pain levels and educated them on pain management techniques and suitable medications.

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Carl C Balog, MD

Medical Director, Pain Program, Providence Portland Medical Center, Portland, OR

2004 – 2006

Established and executed Pain Program recognized as Center of Excellence while serving as Medical Director. Involved actively in council activities to promote Providence Portland Hospital Pain Program as member of Pain Advisory Council.

- Offered both inpatient acute post-operative treatment and chronic pain management by performing wide range of clinical responsibilities and participating in creation of Pain Program.
- Enabled integration into \$150M enlargement at Providence Cancer Center by relocating medical practices.
- Provided guidance to Acute Pain clinical team, oversaw interdisciplinary and RN-based clinical groups to execute post-operative, cancer, and end-of-life services, and reported to Providence Medical Executive Committee.
- Served as active member of Medical Executive Committee while assisting in directing effective management of medical staff and enforcing policies of medical concern at Providence Portland Medical Center.

Medical Director / Director of Anesthesia, Medical Executive Committee, Health South Surgical Center, Portland, OR **2003 -2005**

Led entire practices and personnel activities, including physicians, anesthesiologists, nurse practitioners, physician assistants, and other healthcare professionals to set strategic direction and goals of practice. Assured all practices comply with applicable regulatory requirements, including state and federal laws and medical board regulations by applying necessary measures.

- Played crucial role in suggesting and purchasing equipment necessary for effective high-quality patient care while ensuring proper functioning and maintenance of the equipment.
- Monitored and streamlined all phases of patient care and treatment modalities by creating and executing site protocols.
- Promoted practices and enhanced reputation in outreach programs by overseeing public relations and marketing activities.

Additional Experience

Staff Physician, Pain Management Center, Legacy Emanuel Hospital & Health Center, Portland, OR (2001-2004)

Director, Acute Pain Service & Obstetric Anesthesia Group, Oregon Anesthesiology Group (OAG), Portland, OR (1995-2004)

Board Certifications

American Board of Interventional Pain Physicians (ABIPP) (Jun 2014 – Jun 2024) | **American Board of Addiction Medicine (ABMS)** (Nov 2014 – Dec 2024) | **American Board of Pain Medicine (ABPM)** (Apr 2013 – Apr 2023) | **Fellow Interventional Pain Practice, WIP** (Sept 2013, No Expiration) | **American Board of Anesthesiology (ABMS)** (Apr 1998, No Expiration) | **American Board of Internal Medicine (ABMS)** (1994 to 2004)

Clinical Training

Residency in Anesthesiology, UCSF (Jul 1992 – Jul 1995) | **Residency in Internal Medicine** (Jul 1989 – Jul 1992) | Greenwich Hospital (Yale University), Greenwich, CT – PGY3 | Berkshire Medical Center (University of MA), Pittsfield, MA – PGY1&2

Medical Licensure

Oregon: MD19519 **Washington:** MD60650960 **DEA:** BB2835859

Education

Doctor of Medicine, Semmelweis Medical University, Budapest, Hungary

Bachelor of Arts, Art History, Williams College, Williamstown, MA

Professional Affiliations

American Medical Association | American Society Interventional Pain Physicians | American Society Addiction Medicine | American Society of Pain and Neuroscience | North American Neuromodulation Society

Editorial Board, Pain Physician & Pain Medicine Case Reports, Official Publications of American Society of Interventional Pain Physicians (2008 to Present)

ACOEM Medical Review Officer Course (2021) | **US Patent No: 8,287,534** – Light-emitting Electrosurgical Scalpel (Oct 2012)

Publications

American Society Of Interventional Pain Physicians (Asipp) Guidelines For Responsible Opioid Prescribing In Chronic Non-Cancer Pain: Part 1 – Evidence Assessment, Part 2 – Guidance. Laxmaiah Manchikanti, MD, Salahadin Abdi, MD, Sairam Atluri, MD, Carl C. Balog, MD, Ramsin M. Benyamin, MD, Mark V. Boswell, MD, PhD, et al.

Effectiveness of Spinal Cord Stimulation in Chronic Spinal Pain: A Systematic Review. Jan 2016 Pain Physician - Grider JS, Manchikanti L, Carayannopoulos A, Sharma ML, Balog CC, Harned ME, Grami V, Justiz R, Nouri KH, Hayek SM, Vallejo R, Christo PJ.