



# SHISHIR V. SHAH, D.O., CWS

*Expert Witness • Independent Medical Examiner • Utilization Reviewer*

15029 N Thompson Pk #B111-611, Scottsdale, AZ 85260 | 623-512-3410 |  
woundexpert@gmail.com

Award-winning wound care physician in active clinical practice. Wound care clinical, safety and leadership experience in acute care, skilled nursing, rehab, and home health settings. Certified Wound Specialist (CWS) with additional Board Certifications in Hyperbaric Medicine and Family Practice. Has served as the medical director of several wound programs. Over twenty years medical necessity/utilization review and expert witness experience. Midwestern University Medical School faculty. Significant private equity, medical device, startup, and consulting experience. Undergraduate degree in aeronautical engineering, Rensselaer Polytechnic Institute.

## PROFESSIONAL EXPERIENCE

**Team Health** Phoenix, AZ

*July 2024 – Present*

*National Wound Medical Director*

- ▶ Leadership Liaison with Post-Acute Service Leaders
- ▶ Developing and implementation of the strategic plan for national wound care
- ▶ Clinical Guidance for PAC leaders
- ▶ Facility Level Education
- ▶ Performance Management — reporting outcomes to drive clinical performance
- ▶ Recruitment and Retention
- ▶ Annual Budget development for developing and existing services.

**SANUWAVE, Inc.** Eden Prairie, MN

*2025 – Present*

*Chief of Medical Affairs*

- ▶ Serve as the senior medical authority for UltraMIST® Wound Therapy System, providing clinical oversight, medical affairs strategy, and regulatory support for the company's flagship ultrasound-assisted wound care device.
- ▶ Lead medical and scientific response to FDA MedWatch adverse event reports, including health hazard evaluations (HHE), MDR determinations under 21 CFR Part 803, and CAPA development.
- ▶ Provide expert clinical opinion on device design controls, IFU adequacy, and risk mitigation strategies in collaboration with Quality and Regulatory Affairs teams.
- ▶ Serve as Key Opinion Leader and clinical liaison for wound care product development, post-market surveillance, and medical device safety communications.
- ▶ Support commercial and field medical teams with clinical education, evidence generation strategy, and healthcare provider engagement programs.
- ▶ Collaborate with legal counsel on regulatory strategy and expert medical review for device-related litigation and compliance matters.

**Dignity Healthcare** Phoenix, AZ

*July 2014 – Present*

*Director of Wound and Hyperbaric Medicine / Program Group Leader for IPC/Team Health Arizona*

- ▶ Active clinical practice including management of pressure ulcers, chronic wounds, surgical wounds, diabetic foot ulcers, venous ulcers, traumatic wounds, and hyperbaric oxygen supervision.
- ▶ Compliance and Safety oversight for a multi-place hyperbaric unit. Clinical, Education and Research responsibilities to advance the field of regenerative wound healing and hyperbaric medicine.
- ▶ Routinely exceeded all benchmarks for patient satisfaction and outcomes.
- ▶ Extensive collaboration and familiarity with multi-specialty surgical divisions in a Level I Trauma Center and Nationally Recognized Neurosurgical Department — Barrows Neuroscience.

**R3 Wound and Hyperbarics** Dallas, TX

July 2023 – Present

*Chief Medical Officer*

- ▶ Responsible for the overall clinical management of R3's eight wound care/hyperbaric outpatient healthcare clinics, including the development and implementation of clinical policies and procedures, ensuring the delivery of high-quality care, and maintaining compliance with regulatory standards.
- ▶ Drive growth and business development initiatives, including identifying new service lines and partnerships, developing marketing strategies, and establishing relationships with key stakeholders.

**3 Rivers Capital** Pittsburgh, PA

June 2020 – Present

*Private Equity Healthcare Consultant and Operating Partner*

- ▶ Involved in the evaluation and acquisition of target companies in health, e-commerce and manufacturing sectors.
- ▶ Collaboration with managing partners in assessing competitive landscape, growth strategy, compliance, and denovo expansion for portfolio companies.
- ▶ Strategic operating partner involved in accelerating growth for an outpatient medical wound and hyperbaric company.

**Shishir Shah, D.O.** Scottsdale, AZ

June 2021 – Present

*Medical Consultant / Key Opinion Leader (KOL) / Expert Witness / Utilization Reviewer*

- ▶ Provide product roadmaps, continuing medical education, marketing and risk assessments of medical products/devices for biomedical and pharmaceutical companies.
- ▶ Chart and peer review analysis for various medical appeals.
- ▶ Expert witness on cases involving both medical malpractice and workers' compensation.

**Teladoc** Purchase, NY

2020-2022

*Primary Care Clinician*

- ▶ On-demand telemedicine primary care consultations.

**Medline Industries** Northfield, IL

2019–2020

*Key Opinion Leader and Medical Monitor*

- ▶ ART (Autologous Regeneration of Tissue) consultant with scope of work involving mechanical improvements, stress scenario analysis, clinical misuse review, pathogen soilage impact, material performance and patient risk/harm likelihood scenarios assessment prior to FDA submission.
- ▶ Additional work has included regional speaking engagements, corporate sales training, competitive product review analysis and publications for advanced wound products.

**Comprehensive Wound Care** Phoenix, AZ

July 2003 – October 2011

*Partner and Medical Director*

- ▶ Clinical treatment of patients including management of pressure ulcers, chronic wounds, surgical wounds, diabetic foot ulcers, venous ulcers, traumatic wounds, and hyperbaric oxygen supervision.
- ▶ Medical Director for several outpatient hospital wound programs, LTACs/Rehabilitation Hospitals, Skilled Nursing Facilities, and home health agencies.
- ▶ Managed over 30 physician providers and 100 staff members in a high paced setting while reporting to "C" level positions.
- ▶ Enhanced the level of care for a population base of greater than 60% Medicare and Medicaid population through coordination of risk reduction, home health and health care compliance in a highly cost-effective manner.

**Telemedicine Solutions** Schaumburg, IL

August 2013 – August 2014

*Consultant*

- ▶ Business development strategy and technical insights for mobile wound care EHR in the post-acute environment. Integration and technology solutions input for telemedicine and post-acute care.

**Tempronics** Tucson, AZ

April 2013 – April 2014

*Chief Medical Officer*

- ▶ Engaged in business development, strategy and clinical trials for solid-state cooling technology.

- ▶ Consulting focused on pressure ulcer prevention, automotive seat cooling and commercial sleep industry.
- ▶ Led scientific advisory boards to optimize design for FDA submission and improved clinical outcomes. Analysis of competitive landscape in acute and post-acute care settings in regard to pressure relieving surfaces.

**Accelecare Wound Centers** Seattle, WA

September 2006 – April 2011

*Business Strategy Consultant*

- ▶ Reported directly to the CEO to develop for profit wound centers throughout targeted US regions.
- ▶ Activities include: market development/analysis, sales presentations, clinical education for new centers, compliance activities and contract negotiation.

**Team Health** Phoenix, AZ

June 2003 – June 2005

*Emergency Medicine Contractor*

- ▶ Provided Emergency Department care at Luke Air Force Base/Spectrum Healthcare and Team Health/Banner Baywood Medical Center.

**CIGNA Healthcare of Arizona** Phoenix, AZ

July 2001 – July 2003

*Adult Medicine Department Physician*

- ▶ Chairperson Tobacco Cessation Program.
- ▶ Chairperson for Physician Turnover Reduction.
- ▶ Involved in all aspects of chronic outpatient care including pediatrics and adult medicine.
- ▶ Urgent Care Physician.
- ▶ Physician Lead on Inpatient Case Management Optimization and Geriatric Preventative Care for Westridge Health Center.
- ▶ Committee Member on Staff Model Hospital Bed Day Reduction Program.
- ▶ Developed the hypertension protocol for 17 healthcare centers.

**Emergency Physician Associates** Effingham, IL

April 2001 – July 2001

*Emergency Physician – Temporary*

- ▶ Part-time Physician managing a 20,000 plus volume Emergency room.

**Emergency Consultants Inc. (ECI)** Michigan & Indiana

Sept 2000 – June 2001

*Limited Partner Emergency Physician*

- ▶ Part-time physician practicing in a 12,000 volume E.D.

**Midwest Medical Management** Indianapolis, IN

January 2000 – June 2001

*Emergency Physician*

- ▶ Part-time physician practicing in a 10,000-volume E.D.

**Northwestern University** Chicago, IL

June 1995 – April 1996

*Research Associate, Department of Otolaryngology*

- ▶ Design and development of a physical model simulating the vocal tract.

**Becton Dickinson Company** Franklin Lakes, NJ

July 1992 – August 1993

*Manufacturing Development Program*

*B-D Division — Supervisor*

- ▶ Responsible for all aspects of production of 3 cc and 1 cc hypodermic syringes.

*Ivers-Lee Division — Production Coordinator*

- ▶ Development of High-Performance Work Teams throughout the production facility.
- ▶ Group leader — Cost/Waste Reduction Program for drug packaging.

*Vacutainer Systems Division — R&D Engineer*

- ▶ Performed statistical analysis to substantiate an improved sharpness claim for blood collection needles.
- ▶ Revised product designs to improve tolerances and meet specifications for plastic components.

**Jet Propulsion Laboratory / NASA** Pasadena, CA  
*Systems Analyst, Advanced Propulsion Technology Group*

May 1990 – December 1990

- ▶ Optimized a heat transfer model for a Liquid Plume Experiment.
- ▶ Low Earth Orbit decay, trajectory and radiation effect analysis for nuclear propulsion spacecraft.
- ▶ Developed a Liquid Propellant Resupply Dynamic Model for the U.S. Army.

## EDUCATION

**Midwestern University / CCOM** Downers Grove, IL  
Doctor of Osteopathy — with Honors

August 1994 – June 1998

**Rensselaer Polytechnic Institute** Troy, NY  
B.S. Aeronautical Engineering — Dean's List Each Year

August 1988 – May 1992

## POST-GRADUATE TRAINING

**MacNeal Health Network / Rush Medical** Chicago, IL  
*Family Practice Resident*

January 1999 – June 2001

- ▶ Family Practice Quality Assurance Committee — Reviewed charts to assess patient management and develop guidelines and protocols to improve patient care. Assisted in the design of the Pneumonia Admission Protocol.
- ▶ Assisted in the development and redesign of the Family Practice Web Site.
- ▶ Co-developer of the Intensive Care Manual.

**Resurrection Hospital** Chicago, IL  
*Emergency Medicine Resident*

June 1998 – January 1999

- ▶ Managed patients in the critical care and trauma settings.
- ▶ Transferred to Family Practice to obtain experience in longitudinal patient care.

## FACULTY APPOINTMENT

**Midwestern University** Glendale, AZ  
*Clinical Assistant Professor*

April 2014 – Present

- ▶ Train Medical Students through hands-on didactics involving skin/soft tissue procedures.

**Journal of Chronic Wound Care Management Research**  
*Editorial Board*

May 2026 – Present

- ▶ Thought leader in wound care standards and research.

## LICENSE / CERTIFICATIONS

- ▶ Medical Licenses — Arizona, California, and Texas
- ▶ American Board of Family Practice — 2016–2026
- ▶ ABPM — Underwater and Hyperbaric Medicine 2012 to 2032
- ▶ American Academy of Wound Management 2014 to 2024
- ▶ Operations Management, Marketing and Accounting — University of Pennsylvania Wharton School of Business — June 2015
- ▶ Certified Financial Valuation Analyst — CFI 2020

## RESEARCH, PUBLICATIONS & PRESENTATIONS

1. "Evaluation of a Bovine 100% Native Collagen for the Treatment of Chronic Wounds: A Case Series." *Journal of WOCN* — May/June 2015
2. "Clinical and Economic Benefits of Healing Diabetic Foot Ulcers with a Rigid Total Contact Cast." *Wounds* — June 2012.
3. SAWC Abstracts San Diego CA 2006–2008:
  - i. "An Elastase Binding Native Non-Crosslinked Collagen Microscaffold may be used with success on wounds that have not generally responded to other therapies"
  - ii. "Evaluation of a Unique Bilayered Polymeric Silver Dressing in healing refractory Venous Stasis Ulcers"
  - iii. "Application of Silver Foam Dressings to Donor sites in Immunocompromised Patients can Enhance Wound Healing Rate"

4. "Piriformis Syndrome" Internet Web Site — www.emedicine.com (sports medicine).
5. "Brachial Plexus Injury in the Newborn." Ambulatory Care Conference. MacNeal Hospital Jan 2000.
6. "Pediatric Air Travel" American Academy of Family Physicians Scientific Assembly and North American Primary Care Research Group.
7. "A Study of Various Lubricants and Freon Free Lubricant Solvents for Blood Collection Needles" — Becton-Dickinson internal study — 1993
8. "Nuclear Orbit Decay Study for Low Earth Orbit Satellites" — internal study at NASA/JPL — not released for the public 1999.

## **SPEAKING / MEDIA ENGAGEMENTS**

1. "Wound Bed Preparation" HealthPoint — Tucson, AZ May 2005.
2. "Wound Closure using Aquacel AG" Convatec — Glendale, AZ September 2005.
3. "Current Concepts in Wound Healing" AZ WOCN Meeting — Phoenix, AZ September 2005.
4. "Current Concepts in Wound Management" Gentiva — Phoenix, AZ January 2006.
5. "A Primer on Wound Standard of Care" AALNC — Phoenix, AZ — February 2007.
6. "Collagen Renaissance" Medline Industries — Chicago, IL May 2007.
7. "Assessment and Management of Wound Infections" Smith and Nephew — Glendale, AZ November 2007.
8. "Wound Bed Preparation and Enzymatic Debridement" HealthPoint — Phoenix, AZ February 2008.
9. "Integrating Hyperbaric Oxygen and Advanced Wound Care" SST Wound Conference — Chicago, IL July 2008 (Also McAllen TX August 2008 & Tupelo, MS December 2008).
10. "Management of MRSA Skin and Soft Tissue Infections" Cubist — Scottsdale, AZ October 2008.
11. "Wounds and Hypercoagulability" Banner Baywood — March 2009.
12. "Update on Pressure Ulcers" (CME) Scottsdale Healthcare — Spring 2009.
13. "Caring for Arizona" TV Broadcast for Wound and Hyperbaric Medicine — January 2016.
14. "Mist Ultrasound Therapy – A Novel Approach to Tissue Regeneration" Celleration — Las Vegas — September 2016.
15. "Advances in Amputation Prevention" Integra Life Sciences — Phoenix AZ June 2016.
16. "Successful Wound Closure with Dehydrated Human Amniotic Membrane Allograft on Challenging Wound in the Outpatient Setting." Desert Foot — Phoenix AZ October 2016.
17. "Urgo Clean Ag" Urgo National Sales Meeting Product Launch, Dallas, TX Feb 2024.
18. Wound Con Innovation Theater — Urgo Clean AG, HMP Communications March 2024.
19. "T-Attending" — Podcast, Influent Media — Leadership and empowering new and experienced medical professionals to lead better and live better.

## **AWARDS**

- ▶ 2012 Young Investigators Award — 25th Annual Symposium on Advanced Wound Care — Clinical and Economic Benefits of Healing Diabetic Foot Ulcers with a Rigid Total Contact Cast
- ▶ Phoenix Magazine — Top Wound Doctor 2020, 2021, 2023