

Curriculum Vitae

William C. Amalu, DC, DABCT, DIACT, FIACT

1291 E. Hillsdale Blvd – Suite 211

Foster City, CA 94404



March 2019

Married - 38 years

6 Children and 6 Grandchildren

Current Status -

Private practice of chiropractic since September 1990

Founder and director of the Pacific Chiropractic and Research Center

Diplomate – American Board of Clinical Thermography (Board Certification)

Diplomate – International Academy of Clinical Thermology (Board Certification)

Diplomate – American Board of Medical Infrared Imaging (Board Certification)

Thermology Fellow – International Academy of Clinical Thermology

Board Certified Industrial Disability Evaluator

Medical research peer-reviewer – IEE Proc. Circuits, Devices, & Systems

Past president of the International Academy of Clinical Thermology (IACT)

Executive board member of the International Academy of Clinical Thermology (IACT)

IACT Post-Graduate Clinical Thermology Instructor since 2002

Executive board member of the International Thermographic Society since 2004

Founding executive board member of the International Association of Certified Thermographers – 2006 to the present

Medical director for the International Association of Certified Thermographers – 2006 to the present

Breast thermography guidelines committee member – American Academy of Thermology

Clinical thermology quality assurance guidelines committee chair – International Association of Clinical Thermology

- Currently involved in the following research studies:

- 1.) Infrared thermographic analysis of temperature on the face, forehead, neck, and superomedial orbit. A joint research project with the department of anesthesiology, Yale University School of Medicine.
- 2.) Clinical research pertaining to the efficacy of upper cervical management on low back pain utilizing surface electromyography and paraspinal thermography as outcome measures.
- 3.) The identification and reliability of commonly used osseous landmarks for upper cervical roentgenometrics. A radiographic and precision mensuration study of 10 matched sets of upper cervical osseous structures.
- 4.) The inter and intra-examiner reliability of a roentgenometric method of upper cervical biomechanical analysis. A double-blinded study involving 100 sets of 3 radiographic films and 3 chiropractic examiners of differing years of experience.
- 5.) The inter and intra-examiner reliability of Computerized Paraspinal Infrared Thermography. In a blinded protocol, 3 examiners of significantly differing experience with paraspinal infrared thermography will perform 2 examinations each of 100 randomized participants.
- 6.) The effects of Y-axis rotation of the upper cervical spine on central nervous system (CNS) dynamics. A basic science study into the anatomical effects of aberrant upper cervical biomechanics on the CNS. Gross anatomical studies will be performed and compared to in-vivo magnetic resonance imaging. Fifty individuals presenting with classic signs of upper cervical biomechanical lesions will undergo MRI for a study of anatomical CNS effects.
- 7.) The effects of X-axis rotation of the cervical spine on central nervous system (CNS) dynamics. A basic science study into the anatomical effects of hyperflexion/hyperextension (whiplash) injuries on the CNS. Fifty individuals will undergo stress magnetic resonance imaging for a motion MRI study of anatomical CNS effects.

8.) A correlative study in paraspinal thermal detection performed with Computerized Paraspinal and Camera Infrared Thermography. Experienced examiners will perform over 100 examinations for randomization and analysis.

Professional Education -

- National Institutes of Health (NIH) Clinical Research Training. Training and education standard issued by the NIH for conducting clinical research within the intramural research program.
- Diplomate in Clinical Thermography – Post-graduate board certification in the implementation and evaluation of diagnostic thermographic imaging – conferred by the American Board of Clinical Thermography.
- Diplomate in Clinical Thermology – Post-graduate board certification in the implementation and evaluation of diagnostic thermographic imaging – conferred by the International Academy of Clinical Thermology.
- Diplomate in Clinical Thermology – Post-graduate board certification in the implementation and evaluation of diagnostic thermographic imaging – conferred by the American Board of Medical Infrared Imaging.
- Board Certified Industrial Disability Evaluator – Post-graduate board certification in the forensic evaluation and examination of the injured worker – conferred by the International Chiropractic Association of California.
- Post-graduate certification in myofascial pain and dysfunction analysis and treatment – conferred by the MP Institute, Huntington Beach California.
- Post-graduate certification in articular end-range kinematic analysis and the correction of articular kinesiopathology – conferred by the MP Institute, Huntington Beach California.
- Doctor of Chiropractic Degree conferred by Palmer Chiropractic University West

Appointments -

2006-Present: Appointed Director of Medical Infrared Imaging of the International Association of Certified Thermographers

2006-Present: Appointed as founding executive board member of the International Association of Certified Thermographers

2004-Present: Appointed to the executive board of the International Thermographic Society

2000-Present: Appointed to the executive board of the International Academy of Clinical Thermology

2002-Present Appointed Post-Graduate Clinical Thermology Instructor for the IACT

Professional Papers and Published Research -

Amalu WC., et al. *Infrared Imaging of the Breast – A Review*. Chapter 9: Medical Infrared Imaging. Ed. Nicholas Diakides and Joseph Bronzino. CRC Press – Taylor and Francis. 2013

Amalu WC., et al. *Infrared Imaging of the Breast - An Overview*. Chapter 25: Biomedical Engineering Handbook, Third Edition, Medical Devices and Systems. Ed. Joseph Bronzino. CRC Press – Taylor and Francis. 2006

Amalu WC. *Nondestructive Testing of the Human Breast: The Validity of Dynamic Stress Testing in Medical Infrared Breast Imaging*. Presented at the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Published in the proceedings of the IEEE – EMBS Conference 2004.

Amalu WC. *The Validity of the Autonomic Stress Test in Infrared Imaging of the Breast*. Presented at the 31st annual symposium of the American Academy of Thermology. 2004

Amalu WC. *Defining Terms*. Editorial -- Today's Chiropractic 1996, vol. 25; 6: 11-12

Amalu WC, Tiscareno LH. *Objective Analysis of Neuropathophysiology – Part II*. Today's Chiropractic 1996, vol. 25; 4: 62-66

Amalu WC, Tiscareno LH. *Objective Analysis of Neuropathophysiology – Part I*. Today's Chiropractic 1996, vol. 25; 3: 90-96

Amalu WC, Tiscareno LH. *The Evolution of Modern Paraspinal Thermography*. Today's Chiropractic 1994, vol. 23; 3: 38-41

Professional Organization Affiliations -

2006-Present: International Association of Certified Thermographers

2004-Present: IEEE Engineering in Medicine and Biology Society

2000-Present: American Academy of Thermology

1999-Present: International Academy of Clinical Thermology

1996-Present: International Thermographic Society

Licensure -

1990-Present: California State Chiropractic License