



Curriculum Vitae

Leonard H.S. Chuck, PhD, MD

Business Address:

Diablo Clinical Research, Inc.
2255 Ygnacio Valley Road, Suite M
Walnut Creek, CA 94598
Phone: 925-930-7267 Fax: 925-930-7392 E-mail: lchuck@diablocinical.com

Education:

- 1983-1986 Residency, Veterans Administration Hospital, Martinez, California
and University of California, Davis, CA
- 1983 M.D., University of Calgary, Calgary, Alberta Canada
- 1977-1980 Postdoctoral Scholar, Cardiovascular Research Institute, University
of California, San Francisco, California
- 1976 Ph.D, University of California, Los Angeles, California
- 1966-1968 San Francisco State University, San Francisco, California
- 1966 B.Sc., University of Washington, Seattle, Washington

Licensure:

Medical License State of California # G54176

Training:

ICH-GCP Guidelines
Standard Operating Procedures for Diablo Clinical Research, Inc
Informed Consent Training
Human Subject Assurance Training
Trained to administer: MINI, HAM-D, Tender Points

Work Experience:

- 2005-Present Investigator, Diablo Clinical Research, Walnut Creek, California
- 1995-Present Physician, Muir Primary Care, Walnut Creek, California
- 1987-1995 Laboratory Co Director, Alamo Medical Group, Alamo, California

- 1986-2007 Physician, Alamo Medical Group, Alamo, California
- 1978 Visiting Investigator, Physiology Department, University of Antwerp, Belgium
- 1977-1980 Lecturer, Physiology Department, University of California, San Francisco

Clinical Research Experience:

Primary Investigator for 6 studies and Sub-Investigator for 141 studies, which include:

Diabetes Type 1 and 2, Neuropathy, Anxiety, Depression, Hypercholesterolemia, Hypertension, Metabolic Syndrome, Dyslipidemia, Fibromyalgia, Osteoporosis, Osteopenia, Women's Health, Irritable Bowel Syndrome, Erectile Dysfunction, Chronic Pain, Obesity, Osteoarthritis, Rheumatoid Arthritis, Gout

Memberships/Awards/Appointments:

Burk Foundation Scholarship to outstanding graduate student NIH Predoctoral Fellowship, Department of Physiology, University of California, Los Angeles

Responsible Investigator, Program Project on Myocardial Ischemia, CVRI University of California, San Francisco, CA

Publications:

Parmley, WW, Chuck L, & Sonnenblick EH: The relation of V_{max} to different models of cardiac muscle.
Circ Res 30:34-43 1972

Parmley WW, Chuck L, and Matloff J: Diminished responsiveness of the failing human myocardium to glucagon. JJ Cardiol 55:211-217, 1970

Tomoda H, Chuck L, and Parmley WW: Comparative myocardial depressant effects of lidocaine, ajmalin, propranolol and quinidine. Japanese Circ J. 36:V, 433-438, 1972

Parmley WW, Rabinowitz B, and Chuck L, Bonorris G, and Katz JP: Comparative effects of Sotalol (MJ-1999) and Propranolol on contractility of papillary muscles and adenylyl cyclase activity of myocardial extracts of cats. J Clin Pharmac and New Drugs 12: 127-135, 1972

Parmley WW, Chuck L, Kovowitz C, Matloff J, Swan HJC: In vitro length-tension relations of human ventricular aneurysms: The relationship of stiffness to mechanical disadvantage. Am J Cardio 32: 887-894, 1973

Parmley WW, Chuck L, Yeatman L: Comparative evaluation of the specificity and sensitivity of isometric indices of contractility. *Am J Physiol* 228: 506-510, 1975

Parmley WW & Chuck L: Length dependent changes in myocardial contractile state. *Am J. Physiol* 224 (5) : 1195 – 1199, 1973

Rabinowitz B, Parmley WW, Bonorris G, Chuck L, and Kligerman M: Interaction of phentolamine and norepinephrine on myocardial contractility of cyclase activity. *Cardiovasc. Res* 8: 243 – 248, 1974

Parmley WW, Chuck L, Clark S and Matthews A: The effects of added compliance on force-velocity relations calculated from "isometric: tension records. *Am J. Physiol* 225: 1271 – 1275, 1973

Rabinowitz B, Chuck L, Kligerman M, Parmley WW: Positive inotropic effects of methoxamine: Evidence for alpha adrenergic receptors in ventricular myocardium. *Am J. Physiol* 229: 582 – 585, 1975

Parmley WW, Chuck L, Chatterjee K, Swan HJC, Klausner SC, Glantz SA and Ratshin RA: Acute changes in the diastolic pressure-volume relationship of the left ventricle. *European J Cardiol* 4/Suppl., 105-120, 1976

Brodie B, Chuck L, Klausner SC, Grossman W, and Parmley WW: Effects of sodium nitroprusside and nitroglycerin on tension prolongation of cat papillar muscle during recovery from hypoxia. *Circ Res* 38 (4): 596 – 601, 1976

Chuck L: Length induced alterations of myocardial contractile state Doctoral Thesis, University of California, Los Angeles CA December 1976

Wyatt HL, Chuck L, Rabinowitz B, Tybert JV, Parmley WW: Enhanced cardiac response to catecholamines in physically trained cats. *Am J Physiol* 234: H608-H613, 1978

Lecarpenter YC, Chuck L, Housemans PR, Declerck NM & Brutsaert DL: Nature of load dependence of relaxation in cardiac muscle. *Am J Physiol* 237 (4): H455-H460, 1979

Chuck L and Parmley WW: Caffeine reversal of length dependent changes in myocardial contractile state in the cat. *Circ Res* 47: 592-598, 1980

Chuck L, Goethals Ma, Parmley WW & Brutsaert DL: Load insensitive relaxation caused by hypoxia. *Circ Res* 48: 797-803, 1981

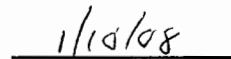
Parmley WW, Chatterjee K, Arnold S, Rubin SA, Brundage BH, Williams RL, Ports T, Chuck L, Rouleau JL: Hemodynamic effects of prazosin in chronic heart failure. Am Heart J 102 93): 622-625, 1981

Platou ES, Smiseth OA, Refsum H, Rouleau JL, Chuck L: Vasodilator and inotropic effects of the antiarrhythmic drug Melperone. J. Cardiovasc. Pharmacol 4 (4): 645-651, 1982

Chuck L Refsum H, Rouleau JL, Mathey D, Seivers RE & Parmley WW: Direct pharmacologic and osmolal effects of contrast media on the mechanics of heart muscle isolated from cats. Am Heart J 108: 97-104, 1984

Housemans PR, Chuck L, Claes VA, Brutsaert DL: Non-uniformity of contraction and relaxation of mammalian cardiac muscle. Adv. Exp Med Biol 170: 837-840, 1984


Signature


Date

 State of
California
Department of
Consumer
Affairs

The Medical Board of California
1426 Howe Avenue, Suite 54
Sacramento, California 95825-3236



PHYSICIAN AND SURGEON

CERTIFICATE NO. **G54176** EXPIRATION **04/30/2008**

LEONARD HOON SUNG CHUCK
1505 ST ALPHONSUS WAY
ALAMO CA 94507

ORIGINAL
ISSUANCE DATE
01/07/1985

RECEIPT NO.
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