BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Sun, Shijie	Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Shanghai Second Medical University	M.D.	1977	Medicine

A. Positions and Honors

Positions and Employment

1984-1990 Assistant Professor, Attending Physician Cardiology, Shanghai Yue Yang Hospital
1988-1991 Research Fellow, Medicine, UHS/The Chicago Medical, North Chicago, IL
1991-1994 Instructor, Medicine, UHS/The Chicago Medical, North Chicago, IL
1994-1995 Assistant Professor, Research, Institute of Critical Care Medicine, Palm Springs, CA
1995-2007 Professor, Research, Weil Institute of Critical Care Medicine, Palm Springs, CA
1995-2007 Clin Professor, Anesthesiology, Keck School of Medicine, USC, Los Angeles, CA
2007-Present Professor, Research, Weil Institute of Critical Care Medicine, Palm Springs, CA
2007-Present Clin Professor, Anesthesiology, Keck School of Medicine, USC, Los Angeles, CA

Honors

1985 "Outstanding Physician of the Year" award, Shanghai Yue Yang Hospital, Shanghai
1991 DuPont Pharmaceuticals/ACCP Young Investigator Award, co-author of "Gastric intramural PCO2 as an indicator of systemic perfusion failure during CPR", 57th Annual Scientific Assembly of American College of Chest Physicians, San Francisco, CA
1993 SCCM Young Investigator Award, co-author of "Proximal aortic balloon occlusion with aortic infusion: A new option for cardiac resuscitation", 22nd Educational and Scientific Symposium of the Society of Critical Care Medicine, New York, NY
1995 Du Pont Pharmaceuticals/American College of Chest Physicians Young Investigator Award, co-author of "Esophageal PCO2 for quantitating severity of hemorrhagic shock". 61st Annual Scientific Assembly of American College of Chest Physicians, New York, NY
1996 Cecile Lehman Mayer Research Award, 62nd Annual International Scientific Assembly of the American College of Chest Physicians, San Francisco, CA
2001 Fellow, American College of Critical Care Medicine

B. Selected Peer-reviewed Publications

1. Sun SJ, Weil MH, Tang W, Gazmuri RJ, Johnson B, Bisera J. Cardiac resuscitation by retro-aortic infusion of blood. J Lab Clin Med 1994;123:81-88.
2. Sun SJ, Weil MH, Tang W, Fukui M. Effects of buffer agents on post-resuscitation myocardial dysfunction. Crit Care Med 1996;24(12):2035-2041.
3. Sun S, Weil MW, Tang W, Povoas HP. Combined effects of buffer and adrenergic agents on postresuscitation myocardial function. J Pharmacol Exp Ther 1999;291(2):773-777.
4. Sun S, Weil MH, Tang W, Kamohara T, Klouche K. Alpha-methylnorepinephrine, a selective alpha2-adrenergic agonist for cardiac resuscitation. J Am Coll Cardiol 2001; 37:951-956.
5. Klouche K, Weil MH, Sun S, Tang W, Zhao DH. A comparison of α-methylnorepinephrine, vasopressin and epinephrine for cardiac resuscitation. Resuscitation 2003:57:93-100.
6. Cao L, Weil MH, Sun S, Tang, W. Vasopressor agents for cardiopulmonary resuscitation. J Cardiovasc Pharmacol Therapeut 2003; 8(2):115-121.
7. Pellis T, Weil MH, Tang W, Sun S, Xie J, Song L, Checchia P. Evidence favoring the use of an α2-selective vasopressor agent for cardiopulmonary resuscitation. Circulation 2003; 108 (21):2716-2721.
8. Sun SJ, Weil MH, Tang W, Kamohara T, Klouche K. Delta-opioid receptor agonist reduces the severity of post resuscitation myocardial dysfunction. Am J Physiol 2004; 287(2):H969-H974.

9. Pellis T, Weil MH, Tang W, Sun S, Csapozi P, Castillo, C. Increases in both buccal and sublingual partial pressure of carbon dioxide reflect decreases of tissue blood flows in a porcine model during hemorrhagic shock. J Trauma 2005; 58(4):817-824.
10. Huang L, Weil MH, Sun SJ, Tang W, Fang X. Carvedilol mitigates adverse effects of epinephrine during cardiopulmonary resuscitation. J Cardiovasc Pharmacol Ther 2005; 10:113-120
11. Wang J, Weil MH, Tang W, Sun S, Huang L. Levosimendan improves postresuscitation myocardial dysfunction after beta-adrenergic blockade. J Lab Clin Med 2005;146(3):179-183.
12. Huang L, Weil MH, Sun S, Cammarata G, Cao L, Tang W. Levosimendan improves postresuscitation outcomes in a rat model of CPR. J Lab Clin Med 2005;146(3):256-261.
13. Fries M, Weil MH, Sun S, Huang L, Fang X, Cammarata G, Castillo C, Tang W. Increases in tissue PCO2 during circulatory shock reflect selective decreases in capillary blood flow. Crit Care Med 2006; 34:446-452.
14. Cammarata GA, Weil MH, Sun SJ, Huang L, Fang X, Tang W. Levosimendan improves cardiopulmonary resuscitation and survival by KATP channel activation. J Am Coll Cardiol 2006;47:1083-1085
15. Fang X, Tang W, Sun S, Huang L, Huang Z, Weil MH. Mechanism by which activation of δ–opioid receptor reduces the severity of postesuscitaiton myocardial dysfunction. Crit Care Med 2006;34(10):2607-2612
16. Huang L, Sun S, Fang X, Tang W, Weil MH. Simultaneous blockade of α1- and β–actions of epinephrine during cardiopulmonary resuscitation. Crit Care Med 2006;34(12 Suppl):S483-S485.
17. Fang X, Tang W, Sun S, Weil MH. δ–Opioid-induced pharmacologic myocardial hibernation during cardiopulmonary resuscitation. Crit Care Med 2006;34(12 Suppl):S486-S489.
18. Ristagno G, Sun S, Tang W, Castillo C, Weil MH. Effects of epinephrinie and vasopressin on cerebral microcirculatory flows during and after cardiopulmonary resuscitation. Crit Care Med 2007; 35:2145-2149.
19. Ristagno G, Tang W, Xu TY, Sun S, Weil MH. Outcomes of CPR in the presence of partial occlusion of left anterior descending coronary artery. Resuscitation 2007; 75(2):357-365.
20. Ristagno G, Tang W, Sun S, Weil MH. Spontaneous gasping produces carotid blood flow during untreated cardiac arrest. Resuscitation 2007; 75(2):366-371.
21. Wang J, Tang W, Sun S, Ristagno G, Huang Z, Weil MH. Intravenous infusion of bone marrow mesenchymal stem cells improves myocardial function in a rat model of myocardial ischemia. Crit Care Med 2007; 35(11):2587-2593.
22. Xu T, Tang W, Ristagno G, Wang H, Sun S, Weil MH. Postresuscitation myocardial diastolic dysfunction following prolonged ventricular fibrillation and cardiopulmonary resuscitation. Crit Care Med 2008;36(1):188-192.
23. Ristagno G, Castillo C, Tang W, Sun S, Bisera J, Weil MH. Miniaturized mechanical chest compressor. A new option for cardiopulmonary resuscitation. Resuscitation 2008; 76:191-197.
24. Ristagno G, Tang W, Sun S, Weil MH. Cerebral cortical microvascular flow during and following cardiopulmonary resuscitation after short duration of cardiac arrest. Resuscitation 2008;77(2):229-34.
25. Tsai MS, Barbut D, Tang W, Wang H, Guan J, Wang T, Sun S, Inderbitzen B, Weil MH. Rapid head cooling initiated coincident with cardiopulmonary resuscitation improves success of defibrillation and post-resuscitation myocardial function in a porcine model of prolonged cardiac arrest. J Am Coll Cardiol 2008;51(20):1988-90.
26. Cammarata GA, Weil MH, Castillo CJ, Fries M, Wang H, Sun S, Tang W. Buccal capnometry for quantitating the severity of hemorrhagic shock. Shock 2009;31(2):207-11.
27. Ristagno G, Tang W, Russell JK, Jorgenson D, Wang H, Sun S, Weil MH. Minimal interruption of cardiopulmonary resuscitation for a single shock as mandated by automated external defibrillations does not compromise outcomes in a porcine model of cardiac arrest and resuscitation. Crit Care Med 2008;36(11):3048-53
28. Tsai MS, Sun S, Tang W, Ristagno G, Chen WJ, Weil MH. Free radicals mediate postshock contractile impairment in cardiomyocytes. Crit Care Med 2008;36(12):3213-9.
29. Wang H, Tang W, Ristagno G, Li Y, Sun S, Wang T, Weil MH. The potential mechanisms of reduced incidence of ventricular fibrillation as the presenting rhythm in sudden cardiac arrest. Crit Care Med 2009;37(1):26-31.
30. Wang T, Tang W, Sun S, Ristagno G, Xu T, Weil MH. Improved outcomes of cardiopulmonary resuscitation in rats with myocardial infarction treated with allogenic bone marrow mesenchymal stem cells. Crit Care Med 2009;37(3):833-839.
31. Ristagno G, Tang W, Huang L, Fymat A, Chang YT, Sun S, Castillo C, Weil MH. Epinephrine reduces cerebral perfusion during cardiopulmonary resuscitation. Crit Care Med 2009; 37(4):1408-15.