



Tina Louise Palmieri, M.D.

Philosophy of Care

I have several key care philosophies. First, survival after burn injury is not enough. I strive to ensure that patients can be "the best they can be" after burn injury. This means that the patient will have the best function and best appearance possible after a burn injury. Second, the surgical philosophy is to "do it right the first time". In other words, operate only when needed and do the operation that will give the patient the best long-term outcome. The final philosophy: I am here for the patient and to ensure they achieve the optimal outcome.

Clinical Interests

Dr. Palmieri is a board-certified surgical intensivist and burn surgeon who specializes in the care of adults and children who have sustained burned injury or have major skin sloughing disorders such as toxic epidermal necrolysis. She has expertise in all aspects of burn injury, but she focuses on critical care, acute burn injury management, and burn disasters. Her past military service in the Air Force gives her a unique perspective on triage and developing priorities of care ranging from wildfire disasters to individual patient care.

Research/Academic Interests

Dr. Palmieri's clinical research focuses on collaboration with diverse stakeholders to optimize outcomes; as such, she has led multicenter trials in blood transfusion and coagulation, complex burn/trauma and brain injury, artificial skin development, opiate pharmacogenomics, and burn outcomes. She has also led the development of international burn care guidelines and burn disaster management guidelines, including treatment of humans and animals injured in wildfires. Finally, she is the director of the UC Davis Burn Data Coordinating Center, which has led multicenter burn trials for the American Burn Association Multicenter Trials Group.

Title Professor, Division of Burn Surgery

Specialty Surgery, Surgery - Burn, Surgical Critical Care

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Division Burn Surgery

Center/Program Affiliation [Burn Center](#)

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Education M.D., F.A.C.S., F.C.C.M., Northwestern University School of Medicine, Chicago IL 1988
B.A., Rockford College, Rockford IL 1984

Internships Surgery, University of Iowa Hospital and Clinics, Iowa City IA 1988-1993

Residency Surgery, University of Iowa Hospital and Clinics, Iowa City IA 1988-1993

Fellowships Critical Care/Burn, University of Missouri Hospital and Clinics, Columbia MO 1993-1995

Board Certifications American Board of Surgery
American Board of Surgery - Surgical Critical Care - Burns
American College of Critical Care Medicine, Fellow

Professional Memberships American Association for Surgery and Trauma
American Board of Surgery
American Burn Association
American College of Surgeons
American Medical Association
American Surgical Association
Association for Academic Surgery
Phoenix Society
Shock Society
Society of Critical Care Medicine
Society of University Surgeons
Surgical Infection Society
Wound Healing Society

Honors and Awards Harvey Stuart Allen Distinguished Service Award, American Burn Association, 2017
Dean's Award for Excellence in Clinical Care, UC Davis, 2009
UC Davis Women's Leadership Development Program Award, 2002
NATO Medal, Outstanding Unit Award, HPSP Air Force Medical School Scholarship (Military),
United States Air Force
Phi Beta Kappa
Summa Cum Laude Graduate
Graduate of Honor's Program
Deans List and Distinguished Scholars List



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Select Recent Publications

Sigma Xi Award

Basketball Academic All American

Martin R, Taylor S, Palmieri TL. Mortality Following Combined Burn and Traumatic Brain Injuries: An Analysis of the National Trauma Data Bank of the American College of Surgeons. *Burns*. 2020 Jul 3;50(3):4179-4184. doi:10.1016/j.burns.2020.06.022.

Palmieri TL. Transfusions and Infection in the Burn Patient. *Surg Infect*. 2020 Jun 19. doi:10.1089/sur.2020.160.

Tejiram S, Sen S, Romanowski KS, Greenhalgh DG, Palmieri TL. Examining 1:1 Versus 4:1 Packed Red Blood Cell to Fresh Frozen Plasma Ratio Transfusion During Pediatric Burn Excision. *J Burn Care Res*. 2020 May 2;41(3):443-449. doi:10.1093/jbcr/iraa001. PMID:31912141.

Grimsrud KN, Lima K, Tran NK, Palmieri TL. Characterizing Fentanyl Variability using Population Pharmacokinetics in Pediatric Burn Patients. *J Burn Care Res*. 2020 Jan 30;41(1):8-14. doi:10.1093/jbcr/irz144. PMID:31538188.

Rashidi HH, Sen S, Palmieri TL, Blackmon T, Wajda J, Tran NK. Early Recognition of Burn- and Trauma-Related Acute Kidney Injury: A Pilot Comparison of Machine Learning Techniques. *Sci Rep*. 2020 Jan 14;10(1):205. doi:10.1038/s41598-019-57083-6.

Palmieri TL, Holmes JH, Arnoldo B, Peck M, Cochran A, King BT, Dominic W, Cartotto R, Bhavsar D, Tredget E, Stapelberg F, Mozingo D, Friedman B, Sen S, Taylor SL, Pollock BH. Restrictive Transfusion Strategy Is More Effective in Massive Burns: Results of the TRIBE Multicenter Prospective Randomized Trial. *Mil Med*. 2019 Mar 1;184(Suppl 1):11-15. doi:10.1093/milmed/usy279. PMID:30371811.

Palmieri TL, Yelon J, Shapiro D, Duncan T, Kuhls D, American College of Surgeons Committee on Trauma, Chicago, IL. Lithium Batteries: A Technological Advance with Unintended Injury



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Consequences. *J Trauma Acute Care Surg.* 2018 Aug;85(2):406-409. doi:10.1097/TA.0000000000001946. PMID:29787525.

Palmieri TL, ISBI Practice Guidelines Committee. ISBI Practice Guidelines for Burn Care, Part 2. *Burns.* 2018 Nov;44(7):1617-1706. doi:10.1016/j.burns.2018.09.012. PMID:30343831.

Palmieri TL, Holmes JH 4th, Arnolde B, Peck M, Potenza B, et al. Transfusion Requirement in Burn Care Evaluation (TRIBE): A Multicenter Randomized Prospective Trial of Blood Transfusion in Major Burn Injury. *Ann Surg.* 2017 Oct;266(4):595-602. doi:10.1097/SLA.0000000000002408. PMID:28697050.

Taylor SL, Sen S, Greenhalgh DG, Lawless M, Curri T, Palmieri TL. Not all patients meet the 1day per percent burn rule: A simple method for predicting hospital length of stay in patients with burn. *Burns.* 2017 Mar;43(2):282-289. doi:10.1016/j.burns.2016.10.021. Epub 2016 Dec 29.

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