New York State Council

2026 Setting the Pace

Speaker Information Form

Steve Weinman, MSc, RN, CEN, TCRN, NHDP-BC, CEN

Biography

Steve Weinman is the Trauma Research and Education Program Coordinator at St. Joseph's University Medical Center in Paterson, New Jersey. Steve has over three decades experience as an educator, author, emergency/trauma/prehospital clinician & emergency manager. Steve has authored over 35 peer-reviewed publications and book chapters on emergency and trauma care. He serves as Trauma Section Editor and Peer Reviewer for the Journal of Emergency Nursing, Associate Editor for the Journal of Special Operations Medicine, and Peer Reviewer for multiple other journals. Steve has lectured nationally and internationally on emergency & trauma care, disaster/mass casualty response and preparedness, & prehospital medical care. Steve serves on numerous state and national trauma committees.

Presentation Title

Ballistics: Penetrating the Mystery of Gunshot Injuries

Summary

Every emergency nurse will provide care for the victim of gunshot violence. The literature is full of information on caring for the injuries caused by bullets, but what is not as plentiful is content on why bullets cause damage and how injuries

are possible even if a bullet does not pass directly through a tissue. This talk will uncover the mystery of why bullets do what they do when they strike tissue.

Learning Objectives

1) Define ballistics
2) Discuss the characteristics of bullets and correlate these to injury potential
3) State the difference between temporary and permanent cavitation
4) Cite the determinants of permanent cavitation based on bullet construction

References.

Centers for Disease Control and Prevention. Fast Facts: Firearm Injury & Death. https://www.cdc.gov/firearm-violence/data-research/facts-stats/index.html

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Gun Violence Archive. 2026. www.gunviolencearchive.org

Kneubuehl BP et al. 2022. Wound Ballistics (2nd edition). Springer Press.