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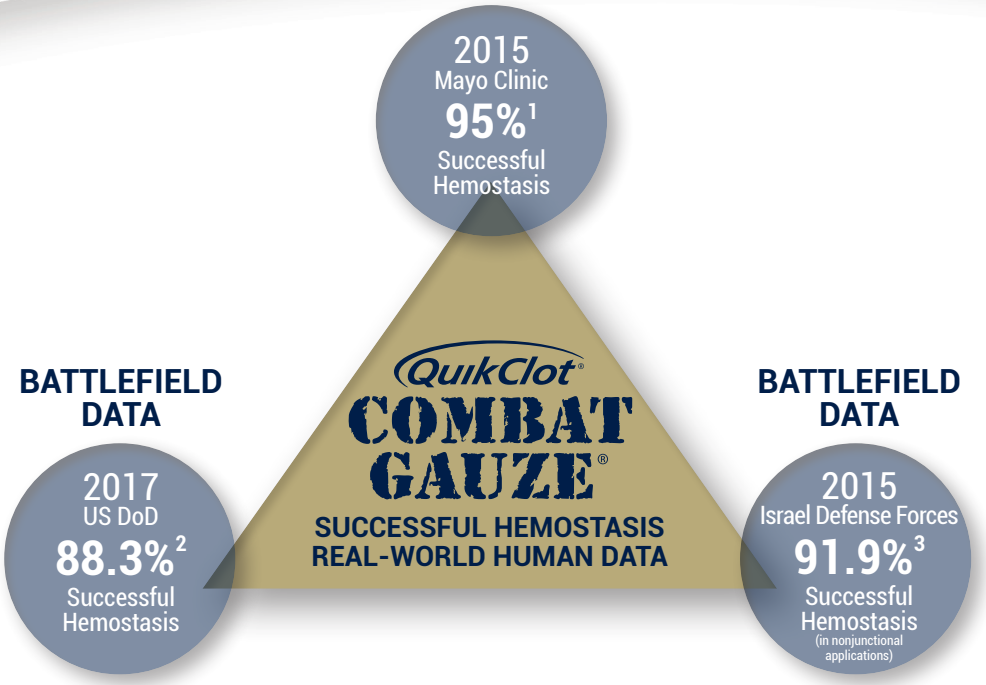
WALLINGFORD, CT

THE KAOLIN ADVANTAGE

PREHOSPITAL DATA



1. Prehospital Use of Hemostatic Bandages and Tourniquets: Translation from Military Experience to Implementation in Civilian Trauma Care.

Zietlow JM, Zietlow SP, Morris DS, Berns KS, Jenkins DH. *J Spec Oper Med.* 2015;15(2):48-53.

- This retrospective study highlights the use of 62 QuikClot Combat Gauze® dressings in 52 patients. The injuries treated with QuikClot Combat Gauze® were 50% head and neck, 35% penetrating wounds, and 15% other mechanisms of injury.
- QuikClot Combat Gauze® "was highly successful at stopping bleeding, with 59 of 62 injuries (95%) achieving hemostasis."
- "The use of tourniquets and hemostatic gauze in pre-hospital civilian care is safe and highly effective, with success rates of 98.7% and **95%**, respectively." The authors note the importance of initial training and that skills are maintained at 98% in two years "despite infrequent use of only about two times per month."

2. QuikClot® Combat Gauze® Use by Ground Forces in Afghanistan the Prehospital Trauma Registry Experience.

Schauer SG, April MD, Naylor JF, et al. *J Spec Oper Med.* 2017;17(2):101-106.

- This retrospective study compared outcomes between patients treated with QuikClot Combat Gauze® (QCCG) and those who were not (but were treated using other means) based on data from the Prehospital Trauma Registry (PHTR) and DoD Trauma Registry (DODTR).
- Hemorrhage was controlled **88.3%** in the QCCG group. No statistical difference was seen in survival between QCCG and non-QCCG patients; however, QCCG patients had higher rates of gunshot wounds and more severe injuries or sickness than the non-QCCG group.
- The study concludes that the "success rates for hemostatic control compared with other published data support the use of QCCG in the prehospital combat setting".

3. Prehospital use of hemostatic dressings by the Israel Defense Forces Medical Corps: A case series of 122 patients.

Shina A, Lipsky AM, Nadler R, et al. *J Trauma Acute Care Surg.* 2015;79(4):S204-S209.

- This study compiled 122 prehospital cases where QuikClot Combat Gauze® (QCG) was applied 133 times between January 2009 and September 2014 by the Israeli Defense Forces.
- Injuries were penetrating (85.2%), blunt (3.3%) and combined (11.5%).
- "Hemorrhage control with the hemostatic dressing was reported to be successful in 88.6% of junctional applications and in **91.9%** of nonjunctional applications. These results suggest that the QCG is an effective tool for hemorrhage control in both junctional and nonjunctional injuries."
- "Of note, in five patients, successful dressing application [QuikClot] was used after tourniquet failure."

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