



**ANYTHING
BUT
SNAKEBIT:**

Office of Technology Transfer
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Five million snakebites worldwide annually? 125,000 fatalities? Dr. Jason Hack wants to uncoil these statistics and change the outlook of survival for snakebite victims. Hack, an experienced clinical toxicologist and emergency room physician, and a creative ECU design team have developed a patent pending method of administering first aid to victims of venomous snakebites. Current research and medical practice suggests that attempts to administer first aid through removal of poison by suction or limiting its spread by tourniquet are ineffective and may lead to tissue necrosis and infection. The first aid tenant of “first do no harm” prescribes a two point therapy until medical care is available; first, apply pressure to prevent lymphatic drainage; and second, immobilize the limb to prevent surrounding muscle activity.

The “VenomLock,” a simple but effective device, localizes venom, slowing its spread through the body via the snakebite victim’s lymphatic system. It is lightweight, adaptable for wounds to the limbs or torso, and can be easily incorporated into first aid kits or hiking and wilderness gear. So whether in the backyard or in the wilderness, snakebite victims can achieve optimal first response treatment until medical care is available.

**DR. JASON HACK
& TEAM**