



**PHOENIX CRYO
THERAPEUTICS**

Executive Summary



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THERAPEUTICS

Product

- Medical device for the treatment of bleeding using pressure, time and Cooling. For the first time, pressure and cold reach the site of bleeding instead of a superficial pressure dressing or tourniquet
- Product with comprehensive patent protection (3 patents: EU, USA, International)
- Fast, simple and cost-effective deployment

Current fields of application

- Treatment of acute bleeding in the facial area, stabbing wounds, gunshot wounds, Nose Bleeding, Post Operative Bleedings
- Customer: B2B, rescue services, emergency doctors, policemen, MGK surgery, weapon owners, soldiers, Outdoor Shops like Bass pro Shop, Support trough NRA (National Rifle Association)

Growth perspective

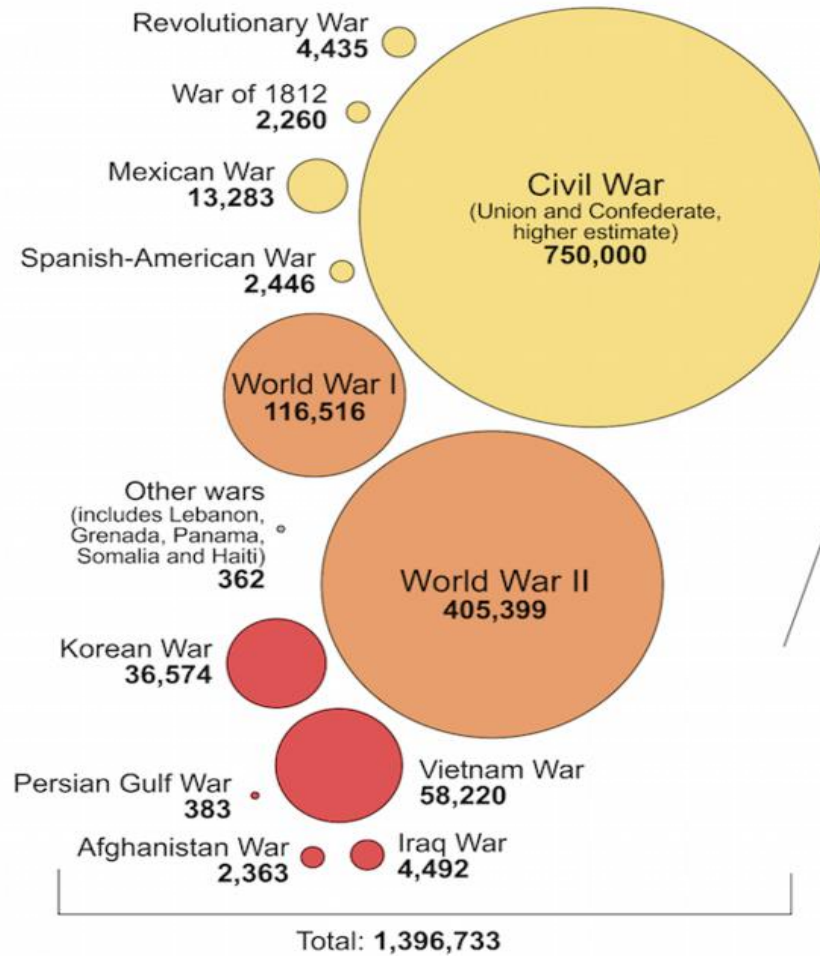
- Stocking in public places (schools, clubs, shooting clubs), licensing in the field of cosmetic surgery, preventive purchase police, army and private households, Actually 500 million firearms are in the USA in Private Hands



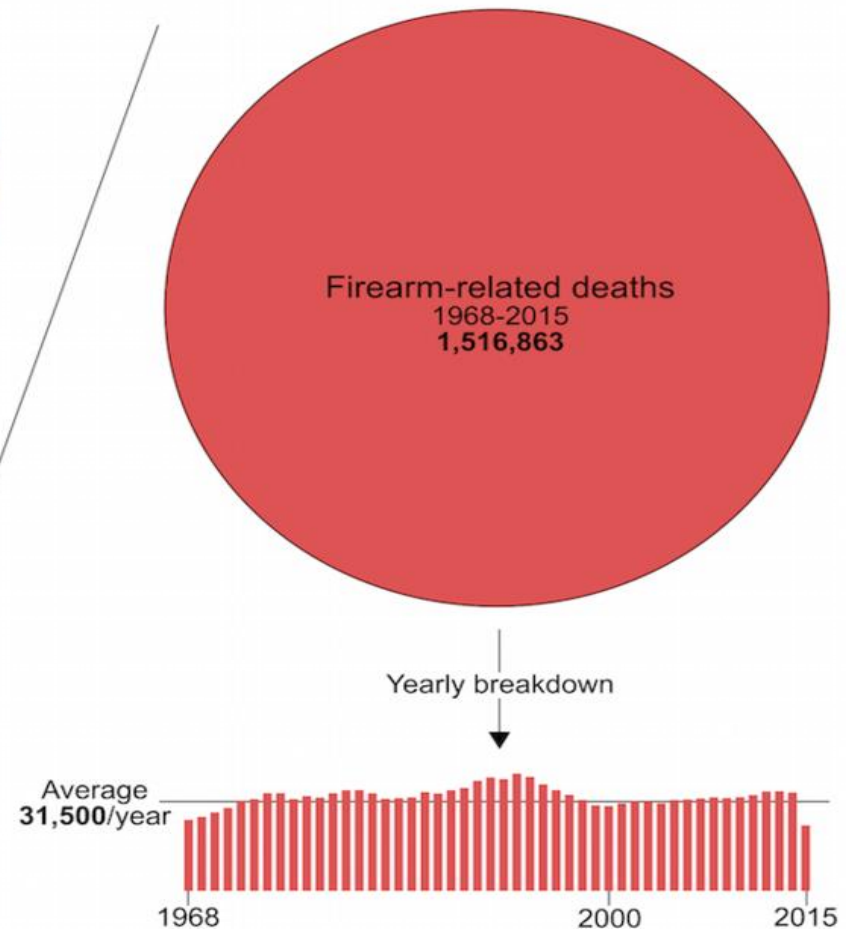
"More Americans have died from guns in the United States since 1968 than on battlefields of all the wars in American history."

Nicholas Kristof, *The New York Times*, Aug. 26, 2015

DEATHS FROM WARFARE 1775-2015



FIREARM-RELATED DEATHS 1968-2015





- Stop bleeding by applying pressure and cold at the site of bleeding
 - Short application time of 20 min.
 - Painless treatment, application without medical know-how possible
 - Cold and pressure constrict the vessels, Cooling has a moderate analgetic Effect
 - Quick help in an emergency, until medical measures take effect.
 - Push the plunger, turn off the syringe, the patient is ready for transport.
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- Fast deployment
 - Easy to use even by non-professional users
 - Relatively painless application
 - More effective than comparable products
 - Release of active ingredients through coating (Drug Coated Balloon)



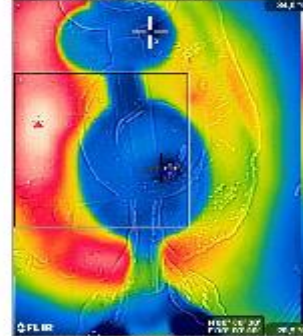
Messungen (°C)

| | | |
|------------|------------|------|
| Punkt 1 | | 21,7 |
| Punkt 2 | | 21,7 |
| Rechteck 1 | Max | 34,0 |
| | Min | 17,6 |
| | Mittelwert | 26,9 |
| Rechteck 2 | Max | 34,0 |
| | Min | 21,3 |
| | Mittelwert | 27,4 |

Parameter

| | |
|---------------------------|---------------|
| Emissionsgrad | 0,90 |
| Ref. Temp. | 25,00 °C |
| Abstand | 1,00 m |
| Relative Luftfeuchtigkeit | 50,00 % |
| Atmosphärentemperatur | 20,00 °C |
| Transmission | 0,94 |
| Temperatur IR-Fenster | 29,00 °C |
| Trans. IR-Fenster | 0,85 |
| Breitengrad | N 00° 00' 00" |
| Längengrad | E 00° 00' 00" |

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Breitengrad: N 00° 00' 00", Längengrad: E 00° 00' 00"
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Breitengrad: N 00° 00' 00", Längengrad: E 00° 00' 00"

Tissue was heated to almost 37 degrees, already after a short contact with the Cooling Agent, visible Cooling on site

State of the art today: Gauze is partially inserted 15 cm into the wound.
If the bleeding does not stop, the gauze is removed and then the wound cavity is tamponed again. Or the Off Label use of a Nasal / urological Balloon Catheter

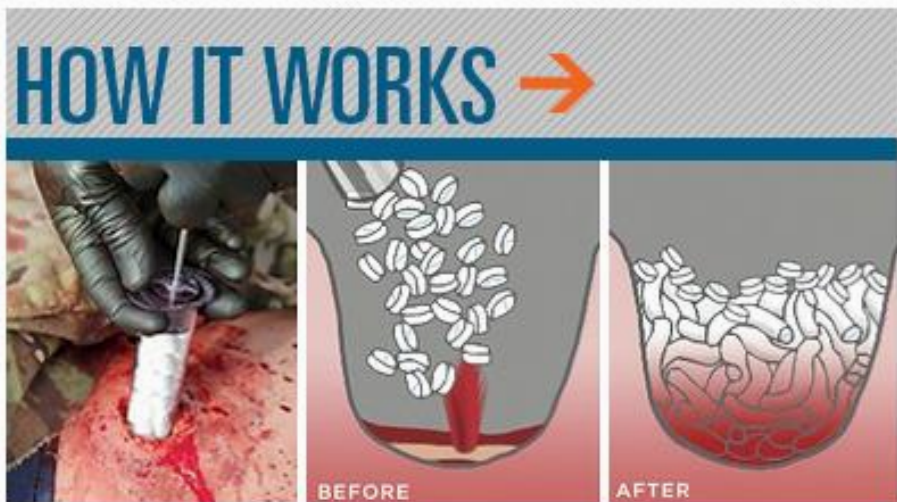


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Dr. Anthony Pusateri, Portfolio Manager of the U.S. Department of Defense, Bleeding and Resuscitation Research and Development: "Unfortunately, it is still not possible to apply a tourniquet to life-threatening bleeding after a gunshot wound, and unfortunately pressure is only exerted on the surface. It is not yet possible to treat the site of bleeding" **STATE OF TECHNOLOGY TODAY**

Every year 140,000 people are injured by a firearm in the USA. In terms of numbers, this is more than **\$16 billion spent each year** on the treatment of gunshot wounds in the USA alone.

It seems that the Bill & Melinda Gates Foundation has also recognized this as a problem, as they have provided own funds amounting to 2.5 million USD in addition to the US Army with 5 million USD, for the development of **XSTAT (SOURCE: WALL STREET DAILY)**



1-) Loose, discontinuous cotton discs cannot build up any pressure, especially as the Tissue is elastic and not rigid, like a water glass (video of the manufacturer shows application in a water glass).

2-) Great challenge for the surgeon: care under X-ray control necessary, danger of sepsis with even one forgotten part (150 discs)

3-) The cotton discs absorb liquids. So only the blood, which has already left the vessels, no effect on hemostasis.



DACH
Gunshot Injuries USA
Add-On:

- 600.000 Surgical Treatments per Year
- 16 Billions \$ Market Size only in the USA, p.a. (only Gunshot Injuries)
- Gunshot Wounds Worldwide, B2B Sales (Army, Police Departments, Paramedic organisations) Licensing in the Area Rhinology (Seller of the Epistaxis Single or Double Balloon Catheters)

Actual Solutions

Handkerchiefs/
Tampons

- The Bleeding dont Stops, Blood goes in the Stomach which causes Vomiting and a Higher Blood Pressure, which results in Loss of more Blood, in the Area of Rhinological Emergency Situations

(Rapid Rhino)
Tamponade

- A 12-17 cm long Catheter, shall stay for 48 till 72 Hours in the Nose filled with 30 ml. Air. There is No Vasoconstriction (smaller Blood Vessels), Danger of Tissue Damage
- Sticks on the Clotted Blood, During Removal Re-Bleeding, Insufficient

Ballooncatheter (Air Only)
Flo Seal Powder
Quick Clot

- Unsufficient, Provides Pressure only, without Cooling, Sterile Wound Closing, administer Medicine
- Similar to Quick Clot
- No Sterile Wound Closing, dangerous when Inhale the Powder, dangerous If Applied in the Chest Area (Lung Contact)

Company Information



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THERAPEUTICS

| | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company: | Phoenix Cryo Therapeutics GmbH |
| Legal status: | GmbH |
| Branche: | Medical technology |
| Located: | Tirol, Wattens |
| Idea: | Stopping bleeding after ENT Operations, Gunshot and stabbing injuries, cosmetic surgery |
| Technology | Introduction of a balloon catheter, application of pressure, cooling and Drug release, trough a Drug & Device Combination. |
| Assets: | 3 issued and Nationalized Intellectual Property, Comet Partner ACMIT |
| Team: | <p>Inventor and Co-founder of the products as R&D, CEO, Advisory Board: Dr. PhD, German Army , Member of the Commando Special Forces, Surgeon Dr. Nico Herzlieb, Dr. Thomas Korselt , Chairman of the Board of Trustees at Mediglobe, External service providers such as Cooperation with Comet Partner ACMIT as CRO</p> <p>Personnel master data will be built up in Q1/20 and Q2/20 in a target-oriented manner</p> |

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LifeBridge saves Life
Thank you !



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