

KONFERENČNÍ ABSTRAKT / CONFERENCE ABSTRACT

CEO and President of Velico, Richard Meehan



Richard Meehan serves as President, Chief Executive and Chairman. Richard has been at the Board level in Velico since 2016 and has worked across all areas since then, supporting the management.

Richard has held senior executive leadership roles in FMCG, Real Estate and ICT. Richard currently serves as Supervisory Board Chairman of Greenman Investments S.a.r.l in Luxembourg and CEO of Meehan Family Food Group in Ireland.

Richard holds a B.A. in Business Administration from TU Dublin.

A CASE FOR DRIED PLASMA

R. Meehan

Velico

Overarching Concept

The Dried Plasma journey will be compared to a marathon. We are in the final .5 miles.

A History Lesson

Plasma plays a key role in the prevention and treatment of trauma-induced coagulopathy. Dried plasma has been a much sought-after goal for military medical purposes since World War II where 300,000 units of dried plasma were manufactured in Cambridge and supplied most of the allied forces.

The benefits of timely resuscitation for haemorrhaging trauma patients are well documented. Patients receiving lifesaving transfusions of blood products that replenish lost clotting factors and oxygen carrying capacity within

30-60 minutes post traumatic injury have better outcomes than patients having to be transported to a secondary location for resuscitative care¹.

Dried plasma products have long shelf lives, are easy and quick to rehydrate at the POC (less than 5 minutes) and may be stored at room temperature. Complex and costly cold storage and logistical challenges are greatly reduced for dry plasma products making them ideal for remote prehospital settings and stockpiling to ensure preparedness for acute large-scale emergency events.

Present Time

Over the past decade Velico has been striving to produce a self-contained system for manufacturing point-of-care plasma products for transfusion in settings where current plasma products (most often frozen) are unavailable or inconvenient to use because of challenging cold chain logistics and short dating.

The Horizon

Velico's development of the FrontlineODP™ (On Demand Plasma) system utilizes a unique patented spray-drying approach which can provide a logistically superior lifesaving dry plasma product for the military, medical and emergency response community. Velico's development program has been funded in whole or in part with federal funds from the Department of Health and Human Services; Administration for Strategic Preparedness and Response; Biomedical Advanced Research and Development Authority, under contract number 75A50121C00059.

+ Additional Dried Plasma Products.

Analogy to running a marathon will be used.

References

1. Shackelford SA, Del Junco DJ, Powell-Dunford N, Mazuchowski EL, Howard JT, Kotwal RS, Gurney J, Butler FK Jr, Gross K, Stockinger ZT. Association of Prehospital Blood Product Transfusion During Medical Evacuation of Combat Casualties in Afghanistan with Acute and 30-Day Survival. JAMA. 2017 Oct 24;318(16):1581-1591. doi: 10.1001/jama.2017.15097. PMID: 29067429; PMCID: PMC5818807.