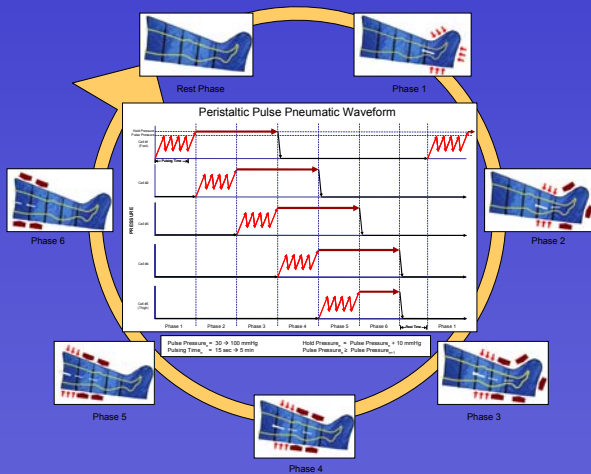


The Magic of Pneumatic Medicine: Rapid Wound Healing

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What is Pneumatic Medicine?

Pneumatic Medicine is the use of external, *dynamic* pneumatic compression to treat a wide array of vascular diseases. It utilizes the Peristaltic Pulse Pneumatic Waveform to improve peripheral circulation.



Physiological Mechanisms

“Muscle Pump”
One-way valves
Peristalsis

⇒ Pulsing Compression
⇒ Gradient Pressures
⇒ Distal Release

Peristaltic Pulse Waveform

Case Study 1: Dx – Venous Insufficiency



After 3 months of “Standard” Wound Care



After 2 weeks using Pneumatic Medicine



5 months later

Case Study 2: Dx – Spina Bifida, Venous Insufficiency & Lymphedema



After 5 years of “Standard” Wound Care



After 10 days using Pneumatic Medicine



2 months later

Case Study 3: Dx – Diabetes



Before Pneumatic Medicine



After 3 weeks using Pneumatic Medicine

Case Study 4: Dx – Diabetes



After 26 days of negative pressure therapy



After 2 weeks using Pneumatic Medicine

Conclusion:

Incorporating Pneumatic Medicine in clinical practice is a successful strategy to achieve rapid wound healing.

References:

Jacobs, Laura F., Pneumatic Medicine and Rapid Wound Healing, APWCA *Synergy*, Winter 2006 Edition.