

PRODUCT

A NPWT dressing with an integrated electrical field and a charged therapeutic agent.

INDICATION

NPWT, especially for complex wounds complicated by biofilm.

VALUE PROPOSITION

- Accelerated rate of wound healing.

DEVELOPMENT STAGE

- Prototypes tested in preclinical studies (porcine).

INTELLECTUAL PROPERTY

US utility patent application filed Dec 18, 2023

CONTACT INFORMATION

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Iontophoretic Negative Pressure Wound Therapy

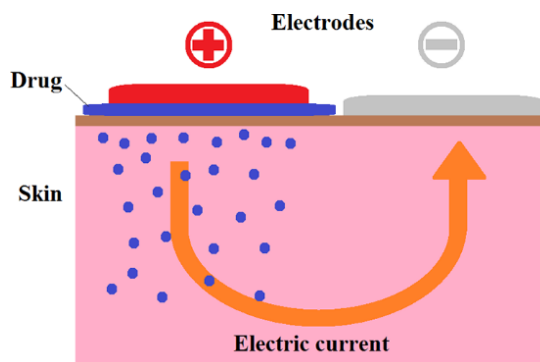
Frank Papay, MD

PROBLEM/OPPORTUNITY

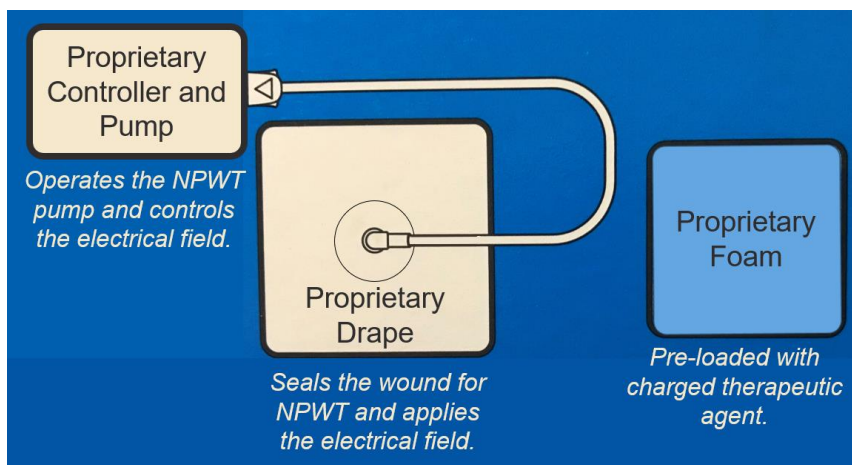
Within the approximately \$2.0 billion Negative Pressure Wound Therapy (NPWT) market, there remains a need for treating complex wounds complicated by biofilm.

SOLUTION/PRODUCT

A NPWT dressing which combines three known wound treatment modalities to accelerate wound healing. NPWT is known to induce macrostrain and microstrain mechanisms of action. Electrical field is known to induce epithelial migration. Iontophoresis is known to promote the migration of therapeutic agents into the wound bed and biofilm. A synergistic effect of combining the three modalities results in faster rate of healing.



Electrical field promotes migration of a therapeutic agent into the wound.



The proposed product would have the same components and be applied in the same way as existing NPWT products.