# Pulse EMF Therapy

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### Problem

- The degradation of cartilage can be caused by many factors, including aging, genetics, and injuries, which can affect anyone
- Cartilage wear and tear can result in osteoarthritis, bone spurs, and reduced mobility and range of motion
- Natural cartilage regeneration is limited due to the lack of regenerative cells and level of blood delivered to the tissue
- The leading three methods for treating cartilage damage are surgery, medications, and injections

### What is Pulse?

- Pulse uses a pulsed electromagnetic field to both stop the degradation of cartilage and encourage new cartilage growth in various joints of the human body.
- Uses NASA patent No. 10,724,030 B2
- This non-invasive technique can be used in lieu of surgery for anything from rheumatoid arthritis to severe joint trauma.
- Pulse devices would be sold to clinics, with which a continued support relationship will be maintained

### **Interview Summary**

#### Important Factors

- Legal Team
  - To protect us from any mishaps while using the team
- Non-Invasiveness
  - Many consumers wanted to avoid surgery out of fear and to avoid spending too much money
- Length of Treatment
  - Many consumers were okay with meeting a couple times a week for ~15 minute sessions, on top of therapy itself | Similar to STIM therapy
- Doctor's Offices vs. At-Home Remedy
  - Recommended to be at doctor's office or therapy sessions in order to avoid consumer mistakes
  - Having at doctor's and therapy offices allow for easier maintenance.
    - Designated maintenance team

## Market Insight

- Main Customer Segments:
  - Athletic clinics with children and adults with sports injuries
  - Physical therapy clinics serving those with injuries related to aging
- What does the product provide?
  - Non-invasive relief of joint pain
  - Improved function of joints
  - Potential solution to cartilage related joint issues
- What do we provide?
  - Seminars to learn about the product via sales reps
  - Dedicated technicians to perform maintenance
- Room for growth?
  - Potential for take-home kits, similar to at-home STIM therapy kits

#### **KEY PARTNERS**

Therapeutic offices and hospitals

Medical Universities to perform studies

Legal Team

#### **KEY ACTIVITIES**

Manufacturing Research and Development Training offices on how to use the product

Legal team to help prevent any backfire from misuse

#### **KEY RESOURCES**

Intellectual property Sales rep/training team **Material Components** Manufacturing facilities

#### **VALUE PROPOSITIONS**

Provides a non-invasive therapy method to regenerate joint damage Less expensive to the end user than surgery Reduced recovery time from joint treatment Improve health and function of aging joints MVP - A therapeutic device to help reduce joint pain

#### CUSTOMER **RELATIONSHIPS**

**Dedicated Personal Service** maintained by sales reps Get - Seminars / Sales Reps Keep - Dedicated aftercare of technology Grow - Clinical Testimonies Take-Home Kits

#### **CHANNELS**

A - Direct sales force advertises to clinics E - Questionnaire

P/D - Provide services through partner channels (physical therapy offices)

AS - Maintenance / Training on new technology

#### **CUSTOMER SEGMENTS**

Segmented- athletic clinics with children and adults with sports injuries

Physical therapy clinics serving those with injuries related to aging

#### **COST STRUCTURE**

Value-Driven

**Economy of Scale** 

Variable costs: Manufacturing, maintaining customer

relationships, operating expenses

Fixed costs: Manufacturing facilities, capital expenses

#### REVENUE STREAMS

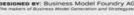
Asset leasing options for clinics depending on their needs Price range of \$10,000-15,000

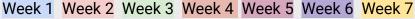




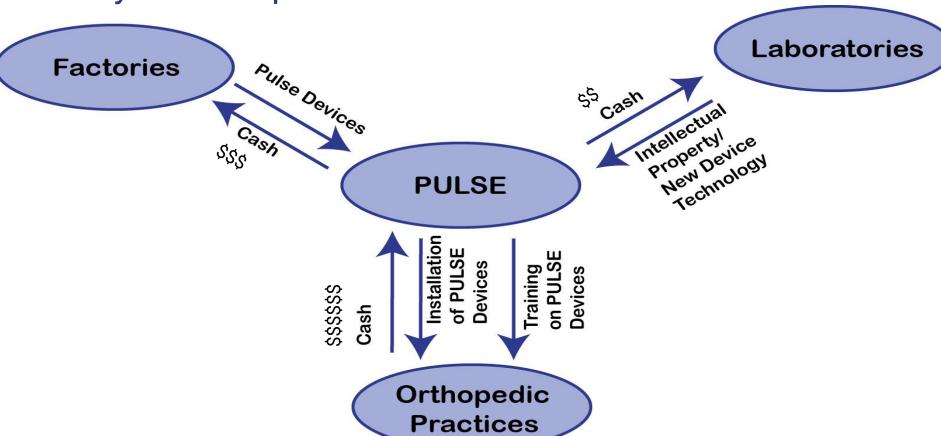








## **Ecosystem Map**



# Any Questions?