

## **Delfin Technologies addresses Lymphedema with Revolutionizing Advanced Solutions**

Lymphedema, a distressing consequence often following surgical procedures, presents a formidable challenge in healthcare. Handling this concern requires innovative approaches, and Delfin Technologies has emerged as a frontrunner in this endeavor. Through groundbreaking advancements in lymphedema assessment and management, Delfin Technologies is transforming the healthcare sector.

### **Introducing the LymphScanner: A Unique Game-Changer in Lymphedema Detection**

The cornerstone of Delfin Technologies' innovation is the LymphScanner and here is what sets it apart:

- **Non-Invasive Measurement:** The LymphScanner is the only non-invasive device capable of measuring localized percentage water content (PWC) in tissue compartments. This groundbreaking approach enhances patient comfort while delivering critical diagnostic information.
- **Early Detection:** By measuring PWC in the earliest stages of lymphedema, the LymphScanner enables clinicians to identify subtle changes, indicative of disease progression. This early detection empowers proactive intervention, potentially preventing further complications.
- **Treatment Monitoring:** Tracking treatment-related effects in the skin, the LymphScanner provides valuable insights into therapeutic efficacy. Clinicians can monitor progress closely, adjusting interventions as needed to optimize outcomes for patients.
- **Wide Applicability:** From post-operative assessment following breast and gynecological cancers to melanoma patients, the LymphScanner proves vital across various medical specialties. Its versatility ensures that it is the tool to use in diverse clinical scenarios.
- **Rapid Results:** With results appearing within a few seconds, the LymphScanner facilitates prompt decision-making and enhances the quality and precision of healthcare given to patients.

### **Enhancing Clinical Judgement with the LymphScanner**

The versatility of the LymphScanner extends beyond its diagnostic capabilities. Physicians can use its rapid skin scanning feature to form clinical judgments of lymphedema on any skin area of the body. This capability empowers lymphologists and therapists to obtain crucial data on the localized extent of lymphedema, facilitating the planning of targeted treatment interventions.

## **Understanding the LymphScanner's Scanning Concept**

The LymphScanner operates based on the interaction between device-generated microwaves and biological material. It measures tissue dielectric constant (TDC), which is then converted into percentage water content (PWC). By moving the probe across different parts of the body, clinicians can detect regional distributions of lymphedema, even in areas previously challenging to assess.

## **Introducing the MoistureMeterD: Advancing Water-Specific Measurement**

In addition to the LymphScanner, Delfin Technologies offers the MoistureMeterD device, an instrument that measures water content in biological tissues. Based on the dielectric constant of the skin and subcutaneous tissues, this non-invasive device provides localized measurements within seconds. The MoistureMeterD's capability to detect changes in tissue water content makes it invaluable in both clinical and research settings.

## **Exploring the SkinFibroMeter: Assessing Tissue Stiffness with Precision**

Completing Delfin Technologies' suite of advanced lymphedema solutions is the SkinFibroMeter, a handheld portable instrument designed to assess tissue stiffness in absolute units of stiffness. By measuring tissue stiffness quantitatively, the SkinFibroMeter offers precise insights into tissue firmness, aiding in the diagnosis and monitoring of various conditions. Validated against industrial standards and clinical studies, this device ensures reliability and accuracy in assessing tissue induration.

## **Conclusion: Shaping the Future of Lymphedema Management**

Delfin Technologies' innovative solutions represent a significant leap forward in lymphedema management. From early detection with the LymphScanner to precise measurements of tissue water content with the MoistureMeterD and assessment of tissue stiffness with the SkinFibroMeter, these advanced devices empower healthcare professionals with the tools they need to deliver optimal care. As we continue to explore new frontiers in healthcare technology, Delfin Technologies stands at the forefront, driving progress and improving outcomes for patients worldwide.

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