Delfin Technologies

WORLD LEADER IN PORTABLE SKIN RESEARCH INSTRUMENTS

LYMPHSCANNER

LOCAL AND REGIONAL MEASUREMENTS OF TISSUE WATER

PRODUCT BENEFITS

- Highly sensitive measurement of lymphedema localized in skin
- Rapid spot and skin scanning measurements virtually at all body sites
- Early detection and tracking of lymphedema in skin
- Percentage water content (PWC) display
- Non-gel measurement
- Force-controlled probe touching skin
- Extremely practical to use
- Totally noninvasive
- Fully portable with rechargeable battery
- Wireless connection to PC for spot measurements

APPLICATION AREAS

- Primary lymphedema
- Secondary lymphedema - related to cancer, surgery, drugs and trauma
- Early detection of lymphedema
- Regional assessment of lymphedema
- Follow-up of lymphatic therapy
- Differentiation between lymphedema and lipedema
- Lymphological research
- Research related to cutaneous edema, venous edema, postoperative edema, tissue water status
- Research related to edema in wound healing and burn injuries

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LymphScanner double function

Local and regional assessment of lymphedema

Volume and circumference measurements are too insensitive to detect lymphedema which might be very localized in skin. Recent results have shown that measurements of tissue dielectric constant (TDC) have use in early detection and tracking of lymphedema in the skin. Because TDC values, which are an index of skin water, vary by measurement site and because the measurement itself is spatially localized, there has been a need for a measurement method capable of rapid skin scanning.

Measurement principle

The LymphScanner, using the traditional MoistureMeterD principle, allows the user to make a non-gel measurement, at practically any skin site. Measurement is initiated by the force-controlled probe touching the skin. The measurement is reported as a percentage water content (PWC). The PWC reading can be selected as a reference for successive measurements. When moving or sliding the probe to a new site, the instrument immediately measures and displays the PWC of a new site and calculates the ratio of the reading with respect to the selected reference site.

Assessing unilateral lymphedema in upper or lower limbs requires properly selected reference values from respective regions in the contralateral limbs. Edematous regions of extremity, midline or thoracic edema can be checked in one minute by holding the probe on the skin while scanning.

Delfin instruments are used worldwide in over 40 countries on 6 continents

Manufactured by

Delfin Technologies

CE marked medical device, Directive 93/42/EEC
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Patented (US 9,271,676)

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