

SONOPULS StatUS

Handsfree ultrasound makes a difference for patient and therapist

The StatUS ultrasound treatment is the latest development in therapy and treatment comfort. StatUS stands for Stationary Ultra Sound. In other words: ultrasound applied without moving the treatment head (= stationary). StatUS-Therapy, developed by Enraf-Nonius in collaboration with international institutes, is an innovative way of applying ultrasound – in a stationary (static) way. This is a recent, unique method in physiotherapy. Normally, ultrasound energy is applied by moving the treatment head (the dynamic or semi-stationary method). The movement is necessary because within an ultrasound bundle, as well as in the tissue, certain symptoms may occur which could lead to tissue damage in the form of hotspots. For this reason, treatment with a stationary treatment head is rarely applied. StatUS-Therapy, however, is a new treatment method that transforms the disadvantages of static ultrasound application into advantages for both the therapist and the patient.

One of the advantages of the Enraf-Nonius Sonopuls StatUS devices is that it provides more than stationary ultrasound alone: you can continue using the familiar, dynamic application.

Ultrasound is one of the best-known therapies within the physical technology. Ultrasound therapy is ideal for successfully treating injuries to connective tissue (collagen) with a high density (e.g. ligaments, tendons, fascia, joint capsules and scar tissue). Ultrasound can be applied thermally or non-thermally.

The thermal effect consists of heating the collagen tissue and is achieved most easily by using continuous ultrasound in combination with a high intensity.



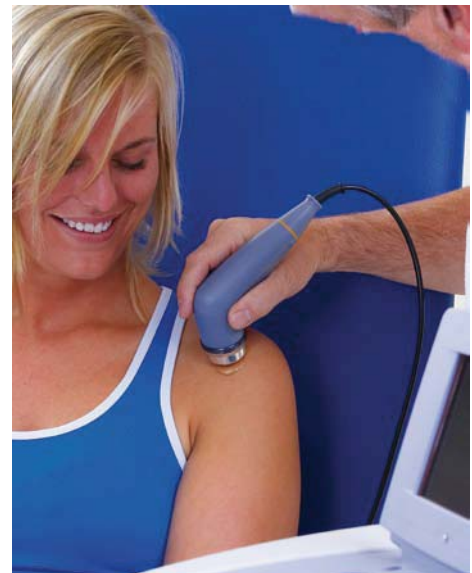
Stationary application with the StatUS applicator

The non-thermal effects occur at lower energy levels and in pulsed mode, with the aim of cell upregulation.

Non-thermal ultrasound is often used to speed up tissue repair by optimising the normal inflammation, proliferation and remodelling phase.

At a low dosage, (LIPUS) ultrasound clearly appears to have a stimulating effect on bone growth (accelerated fracture consolidation), as well as tendon and nerve repair, and promotes healing of acute and subacute inflammation. Low-intensity ultrasound is known as LIUS (Low-Intensity Ultrasound) or LIPUS (Low-Intensity Pulsed Ultrasound).

With the new Sonopuls StatUS equipment from Enraf-Nonius you can work both thermally and a-thermally, depending on the set parameters. These devices are also ideally suited to LIPUS applications.



Dynamic application with a traditional treatment head

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