# How can I treat a larger area with the TOOsonix systems?

Handpieces from TOOsonix are based on a so-called single element transducer technology. This means that each shot from the system produces a single focal point at a pre-determined fixed depth.

To treat a large area, repetitive shots therefore have to be performed. This can be done either by manual activations of the shots in “Single Shot Mode” or by selecting an automatic repetition of the shots in “Repeated Shot Mode”.

The software shows a real-time video feed of the treatment area, and the operator can therefore relatively easy follow the treatment progress while covering the desired treatment area. The progress can be further assisted by marking relevant areas by simple color marking etc. if required.

By covering areas with closely positioned treatment points, a network of coagulated tissue can for example be obtained. This causes reactions in the treated substrate. Fig. 1 shows an example of a treatment with closely positioned treatment points in living tissue. The coagulation of the treatment points causes a full excretion of the area in a very well defined depth, whereby potential harmful elements are removed from the treated area.

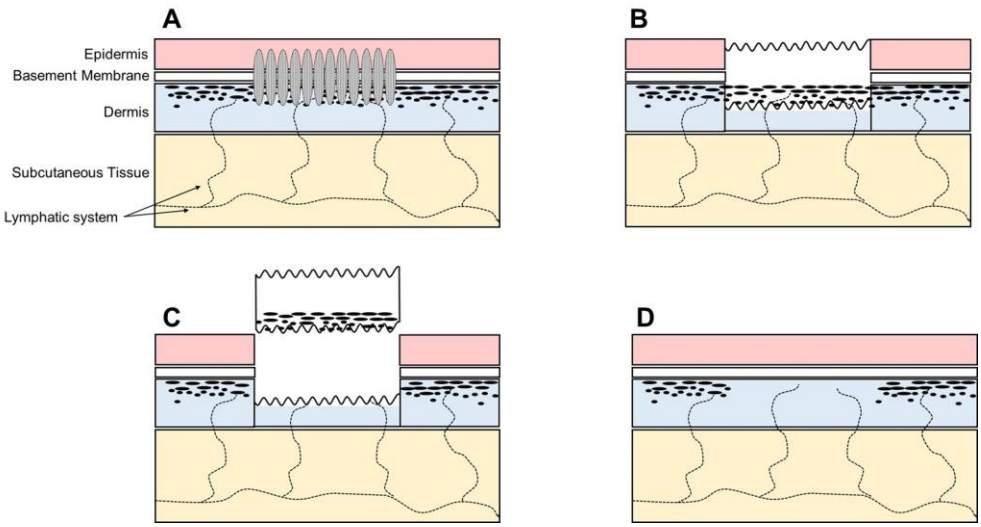


**Fig. 1.** Example of treatment of an area of living tissue by closely positioned HIFU treatment points. A: Treatment points closely positioned in the upper dermis and epidermis. B: Coagulation of the tissue in the treated area. C: Excretion of the treated area by the body’s immune system. D: Tissue after healing; Unwanted elements in treated area have been removed.

## Contact

**TOOsonix A/S**
Agern Allé 1
DK-2970 Horsholm
Denmark

info@toosonix.com
www.toosonix.com