

Dermatology HIFU

TOOsonix

Center of Excellence



Jørgen Serup, M.D. Professor

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The Clinic

Bispebjerg Hospital is a leading university hospital in the Capital Region of Denmark under the Faculty of Health Sciences. The Department of Dermatology at Bispebjerg Hospital is the largest within its field in Denmark. It is involved in diagnose, treatment and research of a broad range of dermatological disorders.

Special areas of interest include malignant and pre-malignant skin carcinomas, malignant melanoma, skin infections, hereditary and occupational skin disorders, deficiency diseases, lymphomas and skin manifestations of AIDS, including Kaposi sarcoma. The department furthermore operates the largest dedicated clinic for tattoo reactions and complications in the world.

The Expert

Professor Jørgen Serup is Chief Physician at the Department of Dermatology. He is the author of more than 300 scientific papers, editor of several conference proceedings and medical textbooks. He is the founding editor of *Skin Research and Technology*, a fully indexed peer-reviewed journal of Wiley Ltd.

In 2008 Prof. Serup established the "tattoo clinic". This clinic has collected the largest clinical materiel of tattoo complications in the world. The clinic offers special diagnostic evaluation including allergy testing, and treatment with surgery and lasers.

Prof. Serup has been instrumental in the development and application of several new methods, among others high frequency ultrasound diagnostics, and ranks as a pioneer in ultrasound and skin. Due to his unique specialist knowledge, Prof. Serup has been principal clinical investigator for TOOsonix since 2018.

The Dermatology HIFU opportunity

Laser, photodynamic therapy and surgical methods have limitations in efficacy, or carry high risks of side effects and/or pain during the procedure. The TOOsonix HIFU technology provides a potential new modality for a range of treatments offered by the clinic with a beneficial effect/adverse-effect ratio.

Experimental treatments on various TOOsonix Systems have been performed at the Department of Dermatology since 2018. Initial experimental work was performed on therapy-resistant tattoo removal cases and has gradually been expanded to include pre-malignant and malignant non-melanoma skin cancers. Results have been published in peer-reviewed medical journals, and more research papers are in progress.

Learn more about TOOsonix and Bispebjerg Hospital:

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www.toosonix.com



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