Short profile

Name: **HiCura**

Medical field	Other
Product type	Medical Devices, Diagnostics, and Therapeutics
Growth stage	Transition to Scale
Team	4 people

Description of product:

uSINE is an AI ultrasound guidance software that automatically identifies spinal landmarks during pre-procedural neuraxial ultrasonography. uSINE has been shown to increase the first-needle puncture success rate of spinal anaesthesia.

Desired project goal: *Please also elaborate on the primary outcome*

Test-bedding of uSINE with the anaesthesia department to show proof of value of uSINE for eventual clinical adoption in Charité. The project can include a randomized control trial on 100 challenging patients (obese or with landmarks that are difficult-to-palpate), and comparing the first-attempt puncture success rate and time taken for 50 patients under palpation and 50 patients using uSINE with ultrasound. Proposed outcomes include obtaining usability and clinical feedback to show ease-of-use of uSINE software for widespread adoption of neuraxial ultrasonography.

Desired project type: *Please also elaborate on the following points, if applicable: population, intervention, study design etc.*

Test bedding and validation.

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