

Short profile

Name: PathKeeper Surgical

Medical field	Spine surgery, Pediatric, Orthopedics
Product type	3D spine navigation system
Growth stage	Expecting FDA clearance in Q1 2023
Team	Erez Lampert, CEO and founder, top 3D medical imaging expert, MSc in Electrical Engineering, BA in Mathematics and an MBA. Dr. Opher Kinrot, CTO, PhD in Physics from the Weizmann Institute. Clinical advisors include top spinal surgeons from Rothman Orthopaedic Institute, Hadassah Medical Center and more.

Description of product:

Redefining spine surgery navigation with a proprietary 3D laser camera spine navigation system that offers continuous, radiation-free tracking for spine surgery. The mobile and cost-efficient system is compatible with all spine surgery tools and can be easily integrated into all size operating rooms.

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

Seeking to perform spine procedures in additional clinical settings to prove system efficiency and gather further clinical proof of the system's high precision levels. Our system is capable of real-time correction tracking for deformity procedures, cage insertion, scoliosis and tumor resections. Seeking to test these capabilities by partnering with surgeons and researchers and produce clinical papers following the project.

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

PathKeeper is interested in collaborating with spine and neurosurgeons who perform spinal procedures. While our system is compatible for all spinal procedures, we are interested in focusing on a sub segment of scoliosis and pediatric procedures as we believe our system's lack of radiation and high levels of accuracy due to the



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continuous tracking can lead to optimal clinical outcomes for all spinal patients, and especially children.



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