

Laryngoport - Flexible laryngeal microsurgery tools (Mor)

Moshe Hain, Kaplan Medical Center, ENT

Name of Project: Laryngoport

Inventors: Moshe Hain M.D., Otolaryngology Department, Kaplan Medical Center
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Medical Center: Kaplan Medical Center

Field of Invention: Flexible laryngeal microsurgery tools

Technology: New generation of articulating tools enables the development of a platform of flexible microtools for use in non-aggressive laryngeal microsurgery.

Market: The disposable ports have an annual market potential of \$250 million and there are also reusable tools to be marketed in kits.

Advantages:

- The flexibility of the laryngoport allows optimal surgical exposure.
- Flexible optics and articulating tools significantly improves physician's field of view.

Delicate tissue handling reduces the dental trauma and tissue damage produced by conventional rigid surgical tools and reduces time spent on positioning and exposure.


Distal grasping mechanism stabilizes the tools to eliminate inevitable human tremor during surgery.

- Surgical tools are usually classified as 510K for fast regulatory approval

Patent Status: Patent application pending

Development Status: The concept has been defined and protected by a patent application. Preliminary engineering sketches and drawings have been presented.

Contact for more information:

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