



Senhance

Senhance® Surgical System with Digital Laparoscopy A New Era in Minimally Invasive Surgery



Improving the Robotic Surgical Experience in Ways That Matter

- Preserve and enhance **laparoscopy skills**
- Senhance **Microlaparoscopy** - the only 3 mm instruments on a robotic platform
- **Robotic precision**
- Ability to **pause** instrument movement and reposition to a more comfortable position
- Security of **haptic** sensing
- Seated, comfortable **ergonomics**
- Eye-tracking **camera control**
- Senhance® Ultrasonic **Advanced Energy** for fast and precise tissue dissection and vessel sealing
- **Reusable** instrumentation
- **Responsible economics** maintains per-procedure costs similar to laparoscopy

Advancing Robotic Minimally Invasive Surgery



Comfortable Ergonomics

- Surgeon seated at cockpit
- Clutch to pause, and easily reposition hands
- Open cockpit for ease of patient-side communication with team



Eye-Tracking Camera Control

- With their eye movement, surgeons control the field of view
- 3DHD or HD fluorescence vision
- Simultaneously move multiple instruments and camera



Security of Haptic Sensing

- Ability to use digital fulcrum point to minimize torque at incision site
- Alerts surgeon of excessive forces
- Detect forces on instruments outside field of view



Responsible Economics

- Portfolio of reusable instruments
- 3 mm, 5 mm and 10 mm reusable instruments portfolio
- Maintain per-procedure costs similar to laparoscopy

Senhance® is CE marked according to the MDD and is intended to be used for laparoscopic surgery in the abdomen, pelvis and limited uses in the thoracic cavity excluding the heart and greater vessels of adults. The device is restricted to sale by or on the order of a physician. TransEnterix Italy is the legal manufacturer for CE purposes.

Eye trackers supplied by Tobii.

Senhance was developed under a license of the European Commission Joint Research Centre.

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