

The Global Senhance® Journey Into Digital Laparoscopy

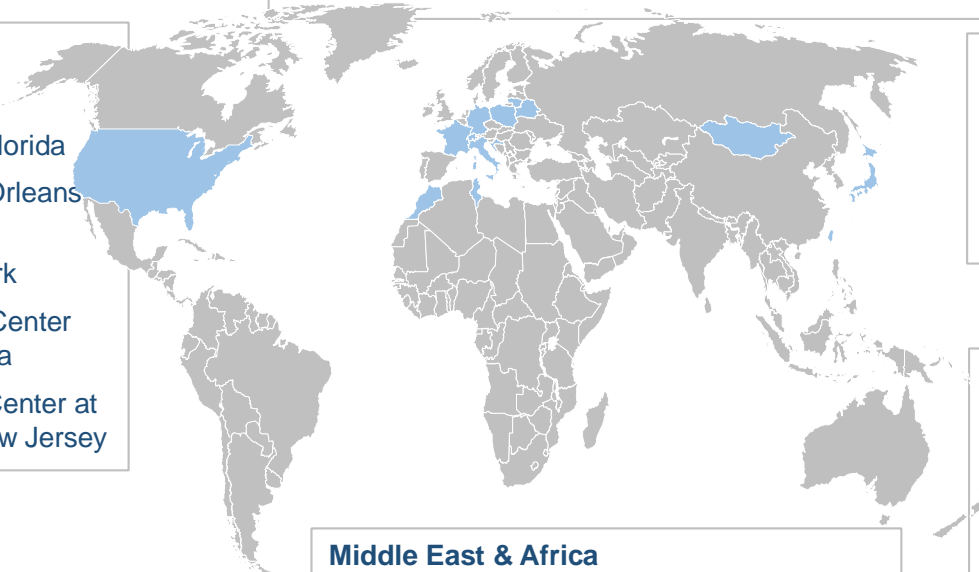
Growing experience and evidence
More than 1500 surgeries performed
Already 30+ PubMed listed publications

Europe

- Máxima Medisch Centrum, Veldhoven, Netherlands
- Policlinico Gemelli, Rome, Italy
- Humanitas University, Milan, Italy
- CHU Saint-Étienne, Saint-Étienne, France
- Clinico Luganese Moncucco, Switzerland
- University Hospital, Kraków, Poland
- Universtiy Hospital Klaipeda, Lithuania,
- University Hospital Zagreb, Croatia
- St. Marien-Krankenhaus, Siegen, Germany
- Evangelisches Krankenhaus Wesel, Germany

United States

- Florida Hospital, Orlando, Florida
- Flagler Hospital, St. Augustine, Florida
- University Medical Center, New Orleans Louisiana
- Buffalo General, Buffalo, New York
- University of Pittsburgh Medical Center (UPMC), Pittsburgh, Pennsylvania
- Hackensack University Medical Center at Pascack Valley, Hackensack, New Jersey



CIS (Commonwealth of Independent States)

- Republic Clinic Medical Center, Minsk, Belarus
- Medical Centre Hospital, Astana, Kazakhstan
- Hospital Ust-Kamenogorsk, Kazakhstan

Asia Pacific

- Saitama Medical University, Hidaka, Japan
- Fu Jen Catholic University Hospital, Taipei City, Taiwan
- Taipei Veterans General Hospital, Taiwan

Middle East & Africa

- CHU Hassan II, Fes, Morocco
- Institut Salah Azaiez, Tunis, Tunisia



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[Transanal and robotic total mesorectal excision \(robotic-assisted TaTME\) using the Senhance® robotic system - a video vignette.](#)

Samalavicius NE, Janusonis V, Smolskas E, Dulska A.
Colorectal Dis. 2019 Aug 30. doi: 10.1111/codi.14837. [Epub ahead of print]

[Robotic sigmoid resection for locally advanced cancer using Senhance Transenterix robotic platform - video vignette.](#)

Samalavicius NE, Smolskas E, Janusonis V, Deduchovas O, Dulska A.
Colorectal Dis. 2019 Jul 15. doi: 10.1111/codi.14768. [Epub ahead of print]

[Robotic surgery using Senhance® robotic platform: single center experience with first 100 cases.](#)

Samalavicius NE, Janusonis V, Sialyus R, Jasenas M, Deduchovas O, Venckus R, Ezerskiene V, Paskeviciute R, Klimaviute G.
J Robot Surg. 2019 Jun 3. doi: 10.1007/s11701-019-00980-9. [Epub ahead of print]

[A roadmap for robotic-assisted sigmoid resection in diverticular disease using a Senhance™ Surgical Robotic System: results and technical aspects.](#)

Darwich I, Stephan D, Klöckner-Lang M, Scheidt M, Friedberg R, Willeke F.
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[Robotic right colectomy using new Senhance® robotic platform: a three-trocar technique - video vignette.](#)

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[Robotic abdominoperineal resection for pT2N0M0 low rectal cancer using the SenhanceTransEnterix robotic platform - a video vignette.](#)

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[Robotic Inguinal Hernia Repair \(TAPP\) First Experience with the New Senhance Robotic System.](#)

Schmitz R, Willeke F, Barr J, Scheidt M, Saelzer H, Darwich I, Zani S, Stephan D.
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[Early experience with the Senhance® laparoscopic/robotic platform in the US.](#)

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More than 30 Publications in PubMed (Senhance / ALF X)





Interdisciplinary Use of the Senhance System (2)

- Funduplicatio Nissen
- Funduplicatio Dor
- Endostim Implant
- Gastric bypass
- Roux en Y
- Heller myotomy
- Gastric sleeve
- Liver cystectomy
- Partial Liverresection (hybrid)
- Cholecystectomy
- Appendectomy
- Hernia repair unilateral inguinal
- Hernia repair bilateral inguinal
- Hernia repair ventral
- Hiatus hernia repair
- Dunbar Syndrome
- Unilateral adrenalectomy
- Adhesiolysis
- Bilateral salpingo oophorectomy (BSO)
- Hysterectomy - Radical
- Myomectomy
- Ovarian cystectomy
- Total Hysterectomy
- Sentinel Lymph node
- ICG Lymphadenectomy
- Lymphadenectomy
- Total hysterectomy with lymphadenectomy
- Total hysterectomy; Bilateral salpingo oophorectomy (BSO)
- Endometriosis removal
- Promotofixation
- Trachelectomy
- Sacrocolpopexy
- Tubal Ligation
- Adrenalectomy
- Kidney cyst removal
- Ureterolysis
- Nephrectomy
- Partial nephrectomy
- Prostatectomy
- Pyeloplasty
- Cystectomy total
- Right colectomy
- Left colectomy
- Duodeno-Pancreatotomy total
- Sigmoidectomy
- Sigmoidectomy; Low anterior resection
- TA TME





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Robotic surgery using Senhance® robotic platform: single center experience with first 100 cases

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*“The system **provides haptic feedback** which enables the surgeon not to rely solely on his visual input (which by definition can-not provide haptic response) but gives feedback on the force he applies to the tissue or the strength of sutures”*

*“The Senhance® system is **using reusable** resterilizable instruments and adaptors and is compatible with many of the currently available visualizations systems including fluorescence technology. In different health economic settings this may have a **positive impact on the economical feasibility** applying robotic surgery.”*

