



– FACT SHEET –

MINIMALLY INVASIVE SURGERY and DAVINCI ROBOTIC SYSTEMS

The surgeons at [The Oregon Clinic Gastrointestinal & Minimally Invasive Surgery](#) have pioneered some of the most advanced, minimally invasive surgical procedures while achieving the fewest complications, highest survival rates, and best outcomes in the state. A sample of our medical focus includes acid reflux, hemorrhoids, gallbladder, thyroid and parathyroid disease, varicose veins, hernia repair, appendix removal, colon cancer, gastrointestinal disease, and liver and pancreatic disease.

What is the da Vinci Surgical System?

The da Vinci Surgical System is a tool that utilizes advanced robotics, computer, and optical technologies to assist surgeons with operations. It does not act on its own and its movements are controlled by the surgeon. The da Vinci Surgical System has a 3D high definition (3D-HD) vision system, special instruments, and computer software that allow surgeons to operate with enhanced vision, precision, dexterity, and control. The 3D-HD image is highly magnified, providing a close-up view of the area he or she is operating on. The da Vinci instruments have mechanical wrists that bend and rotate to mimic the movements of the human wrist – allowing small, precise movements. The da Vinci software can minimize the effects of a surgeon's hand tremors on instrument movements.

The da Vinci Xi System was launched in April 2014 by Intuitive Surgical. The Xi can be used across a wide spectrum of minimally invasive surgical procedures and has broader capabilities than prior generations – including more flexibility and control over the instrument arm and endoscope, and improved visual definition and clarity.

Learn more at <http://www.intuitivesurgical.com/>