

Robotic surgery, or robot-assisted surgery, allows surgeons to perform many types of complex procedures with more precision, flexibility and control than is possible with conventional techniques. Robotic surgery is usually associated with minimally invasive surgery - procedures performed through tiny incisions.

The *da Vinci* System is a robotic-assisted surgical device that your surgeon is 100% in control of at all times. The *da Vinci* System gives surgeons a 3D HD view inside your body, tiny wristed instruments that bend and rotate far greater than the human hand, as well as enhanced vision, precision and control.

When performing surgery with the *da Vinci* Si, these miniaturized instruments are mounted on three separate robotic arms, allowing the surgeon maximum range of motion and precision. The *da Vinci*'s fourth arm contains a magnified high-definition 3-D camera that guides the surgeon during the procedure.

The surgeon controls these instruments and the camera from a console located in the operating room. Placing his fingers into the master controls, he is able to operate all four arms of the *da Vinci* simultaneously while looking through a stereoscopic high-definition monitor that literally places him inside the patient, giving him a better, more detailed 3-D view of the operating site than the human eye can provide. Every movement the surgeon makes with the master controls is replicated precisely by the robotic arms. When necessary, the surgeon can even change the scale of the robot's movements: If he selects a three-to-one scale, the tip of the robot's arm will move just one inch for every three inches the surgeon's hand moves. And because of the console's design, the surgeon's eyes and hands are always perfectly aligned with his view of the surgical site, minimizing surgeon fatigue.

A *da Vinci* Low Anterior Resection of Rectum offers the following potential benefits compared to open surgery:

- Less blood loss
- Less pain
- Shorter hospital stay
- Small incisions for minimal scarring

Additionally, a *da Vinci* Low Anterior Resection of Rectum offers the following potential benefits compared to traditional laparoscopic surgery:

- Improved cancer resection margins
- Less chance of surgeon switching to open surgery
- Shorter hospital stay
- Quicker return to a soft diet

Similar benefits are also observed when performing a *da Vinci* Ventral Mesh Rectopexy for rectal prolapse or obstructed defaecation, another major indication for robotic colorectal surgery.

Mr Titu has been performing robotic colorectal surgery since 2013 and has one of the largest surgical experiences with this technique in the North-West of England. He constantly audits his outcomes and presents his work at regional, national and international meetings.

Enquiries: 07500870587 or 01519295181  
[enquiries@wirralsurgeon.co.uk](mailto:enquiries@wirralsurgeon.co.uk)  
[www.wirralsurgeon.co.uk](http://www.wirralsurgeon.co.uk)