

East Lancashire Surgical Robot

For ALL patients in Lancashire



Prostate cancer claims the life of one man every hour and by 2030 will be the most common cancer; it is already the most common male cancer.

Safe | **Personal** | **Effective**



+ Introduction

The da Vinci Robot is established at Royal Blackburn Hospital. The system itself will primarily be used to treat patients with prostate cancer but has the potential to be utilised by other surgical teams in the future.



+ The Facts

Prostate cancer is the most common cancer in men in the UK. In 2011 there were 134 new cases of prostate cancer for every 100,000 males in the UK. In the Lancashire and South Cumbria network alone there are between 140 and 160 radical prostate cancer operations carried out each year with approximately 3,000 men in the region surviving prostate cancer at any one time.

60% of prostate cancer patients can be treated by surgery or radiotherapy

Most cases affect men over 50 years old, the risk increases with age

Over 300 patients in East Lancashire are diagnosed with prostate cancer every year

81.4% of UK prostate cancer patients survive five or more years

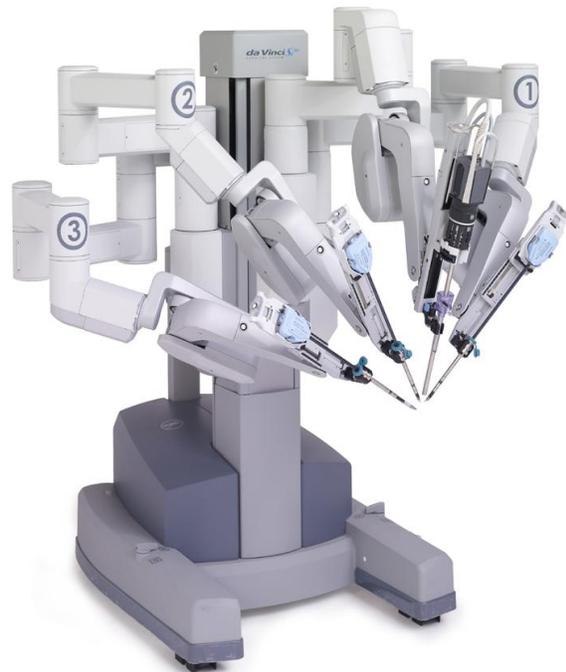
National Institute of Clinical Excellence & NHS England

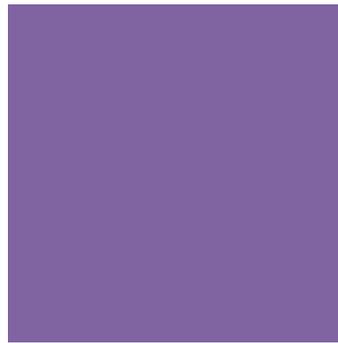
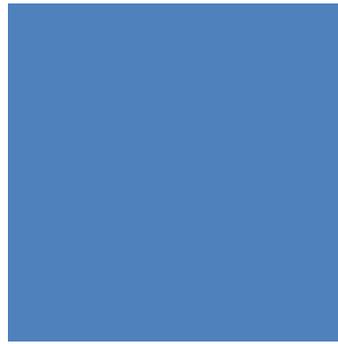
'recommend using the robot as the surgical treatment of choice for patients requiring radical prostatectomy'

The Robot

The robot is a da Vinci surgical system, which allows surgeons to perform minimally invasive surgery. This means surgeons operate through a few small incisions instead of a large open incision.

The da Vinci robot gives the Surgeon an opportunity to remove the prostate gland with a very high degree of precision and is potentially the most effective and least invasive surgical approach to prostate cancer





The Disease

Prostate Cancer

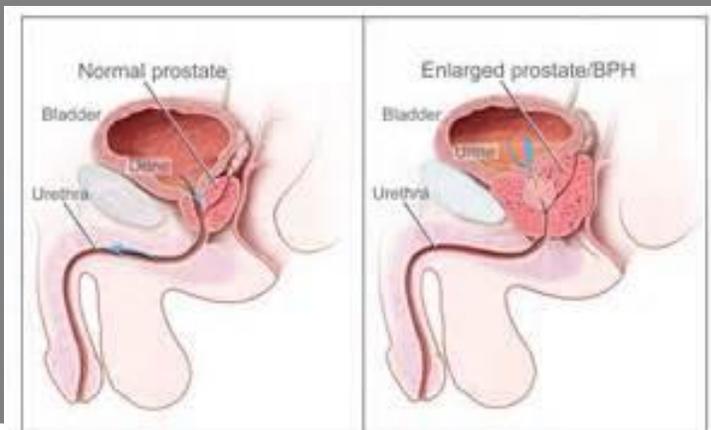
Prostate cancer is a disease in which malignant (cancer) cells form in the tissues of the prostate. The prostate is a gland in the male reproductive system located just below the bladder and in front of the rectum. It is about the size of a walnut and surrounds the urethra (the tube that empties urine from the bladder). The prostate gland produces fluid that makes up part of the semen.

Treatment options and prognosis depend on the stage of the cancer, the Gleason score and the patient's age and general health. With

A Gleason score is a way of describing the grade of the cancer (aggressiveness) using samples obtained by biopsy

greater public awareness, early detection is on the rise and mortality rates are declining.

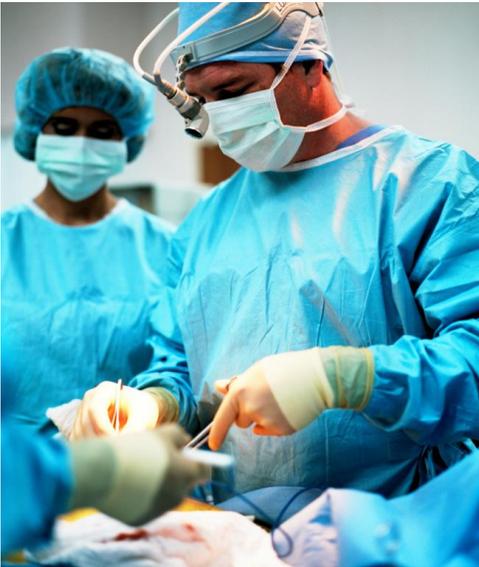
Additionally new advances in medical technology, including the Da Vinci robot, are enabling those affected by prostate cancer to go on to live active and productive lives after their treatment.





The Surgical Treatment

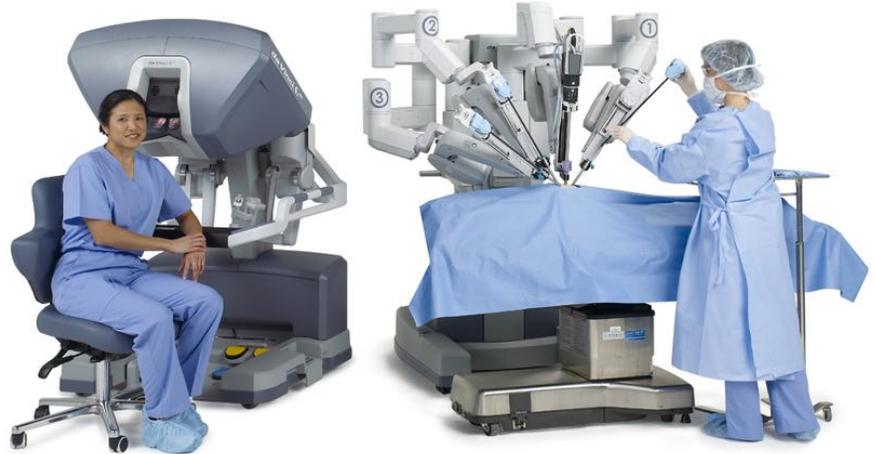
OPEN Prostatectomy and Laparoscopic Prostatectomy



One of the most common treatments for prostate cancer involves the surgical removal of the prostate gland, known as radical prostatectomy performed through open or laparoscopic approach.

Both procedure carry long term risk of incontinence and erectile dysfunction compared to the da Vinci robotic radical prostatectomy

Da Vinci Prostatectomy A Less Invasive Surgical Procedure



This da Vinci robot incorporates a state of the art surgical system that helps the surgeon see vital anatomical structures more clearly and to perform a more precise surgical procedure hence less damage to the surrounding structures that results in:

- More precise cancer removal
- Less requirement of additional treatment
- Reduced short and long term problems with continence and sexual functions
- Shorter hospital stay
- Less pain
- Less blood loss and transfusions
- Faster recovery
- Quicker return to normal activities

The Da Vinci robot is sited at the Royal Blackburn Hospital in East Lancashire and is available to patients from all over our region for Robotic Radical Prostatectomy



Thank You

