Advances in Colorectal Cancer Surgery

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Patients  |  Respect  |  Involvement  |  Delivery  |  Efficiency
Taking pride in our healthcare services
1735
First Successful Appendectomy
Advances in Surgery

- Cancer of the colon and rectum
- Advances in Colon cancer surgery
  - Keyhole Surgery
- Advances in rectal cancer surgery
  - Radical Surgery
  - Early rectal cancer
  - Robotic surgery
  - Transanal surgery
39% Rectal cancers
Worcs – 150/year
Colon Cancer

Lymph nodes

Portion of colon to be removed

Portion of colon to be removed
Colon Cancer – Open Surgery

- Good access
- Well proven
- Can deal with old scar tissue

- Pain
- Large scar
- Internal scarring
Laparoscopic (Keyhole) Surgery

1980s  1987  1992

Gynaecology  Gall bladder  Colon
Colon Cancer – Laparoscopic Surgery
Colon Cancer – Laparoscopic Surgery

- Additional training required
- > 60% of colorectal cancer in the UK
- Wide variation across the country
- Cancer outcomes are the same as open surgery

- Less pain
- Less scarring
- Quicker recovery

- Not possible in everyone
- More difficult
- Longer procedure
Rectal Cancer Surgery
Rectal Cancer Treatment

Depends on:

- Level of tumour
- Stage of tumour
- Patient fitness
- Patient choice
Rectal Cancer Surgery – The Past

- Open Surgery
- Removal of rectum, but not the mesorectum
- Damage to other structures – nerves, blood vessels
- Permanent colostomy
Rectal Cancer Surgery - Advances

• TME (Total Mesorectal Excision)

• eLAPE (extra-levator Abdomino-perineal excision)

• Early Rectal cancer techniques

• Laparoscopic surgery

• Robotic Surgery

• Transanal Surgery
Rectal Cancer Surgery - TME

- Introduction of Rectal Stapling devices
Rectal Cancer Surgery - eLAPE

eLAPE

conventional surgery
Early Rectal Cancer Surgery

- TEMS / TEO / TAMIS
- Transanal surgery
- Large Rectal polyps or early cancers
Early Rectal Cancer Surgery

- More minor
- No colostomy
- No scars

- Early cancer only
- Higher recurrence rate
- Surveillance after surgery
Rectal Cancer Surgery - Laparoscopic

“It’s keyhole surgery. I’ll be operating on you from behind that locked door.”
Rectal Cancer – Robotic Surgery
Rectal Cancer Surgery – Transanal Surgery (TaTME)

- Better view
- Lower join
- Less scars

- New procedure
- Additional risks
- Difficult surgery