

# Screening for Bowel Cancer in East and North Hertfordshire

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# What.....?

- ✦ Bowel Cancer Screening Programme
  - ✦ BCSP
- ✦ Age-related population screening
- ✦ The first cancer screening programme for men

# Why.....?

- ★ Incidence 35,000 per annum
- ★ Mortality 16,000
- ★ Dukes A 5 year survival 85 - 95%
- ★ Dukes C 5 year survival 35 - 50%
- ★ Screening reduces mortality by 16%
  - ★ Cochrane 2006 (Nottingham, Funen, Minnesota, Goteborg)

# The Ideal Screening Test

- ✱ Easy, reliable, acceptable
- ✱ Sensitive and specific
  - Finds what you want to find
  - Excludes disease if negative

# The Ideal Condition for Screening

- ✦ Can be treated
- ✦ Finding it early makes a difference
- ✦ Colon cancer
  - Early disease has no symptoms
  - Pre-cancer stage
  - Early treatment means more chance of cure

# Adenoma to carcinoma

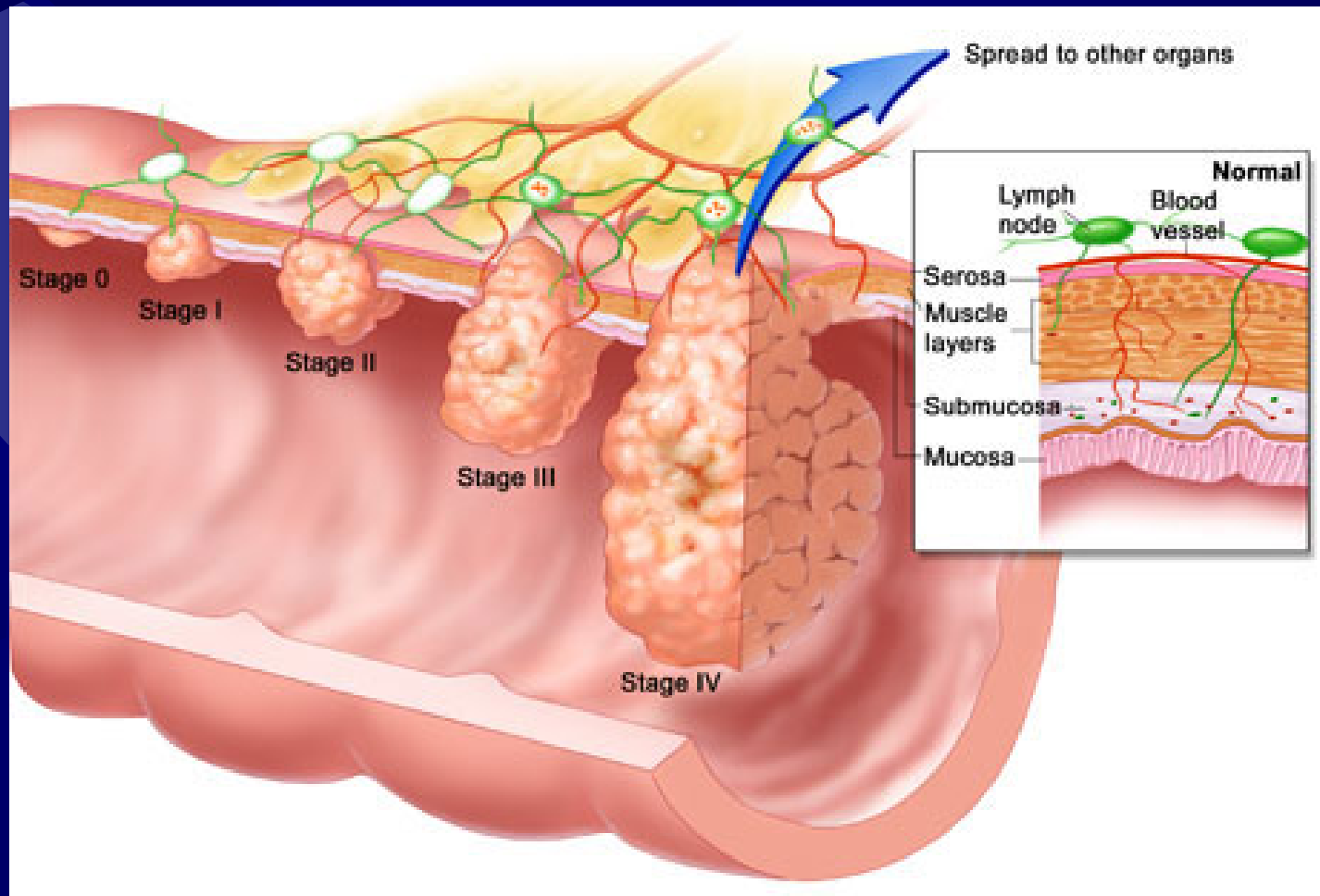
## ★ Adenoma

- ★ benign polyp
- ★ numbers and size matter

## ★ Carcinoma

- ★ malignant tumour
- ★ adenocarcinoma

# Polyps and Cancer Staging



# How.....?

- ★ Examine the blood?

- no such test exists

- ★ Examine the bowel?

- endoscopy
- X-rays, scans

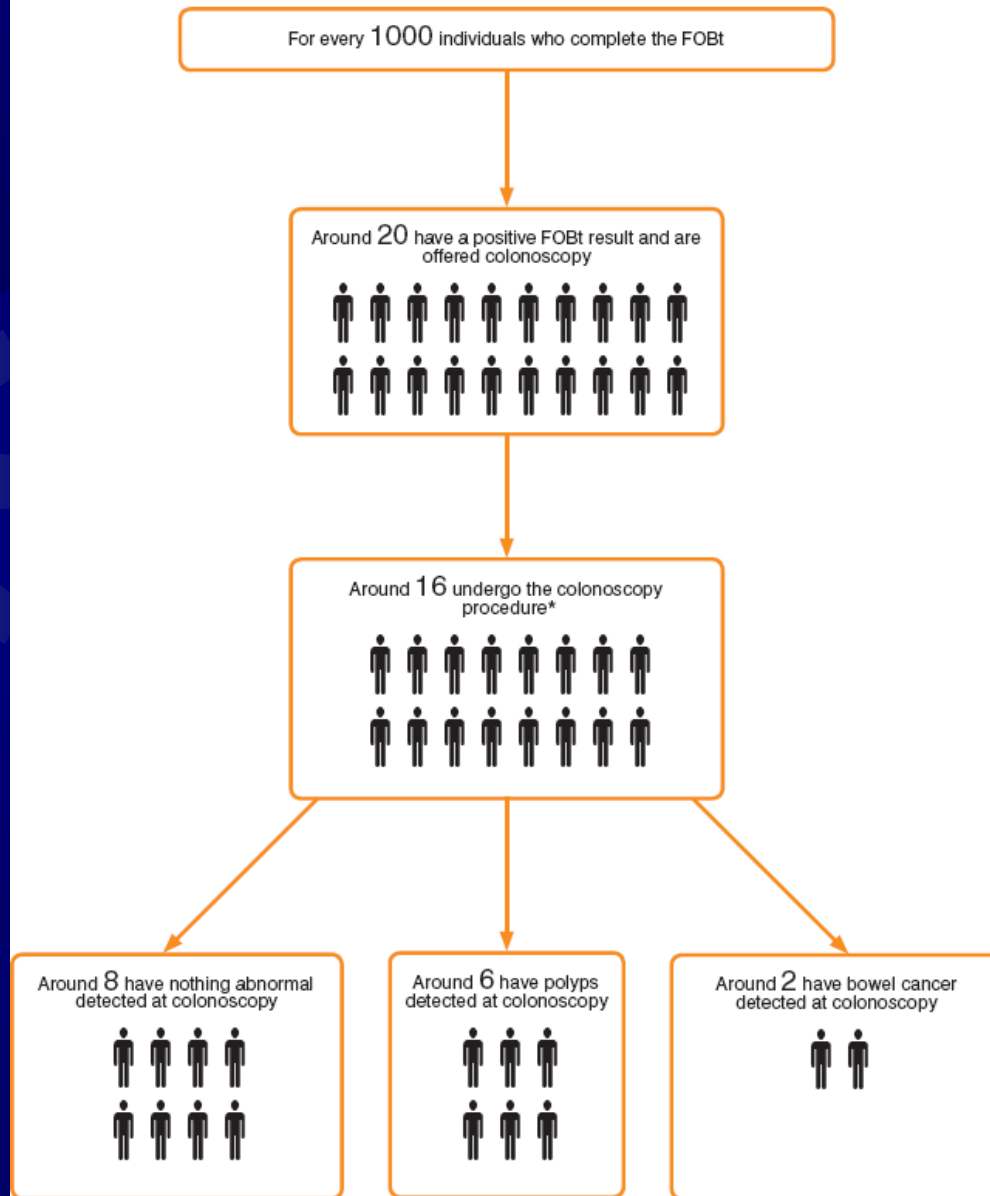
- ★ Examine what's in the bowel?

- Occult blood test (FOBT)

# FOBt Screening Pilots

- ★ England and Scotland
  - ★ aged 60 - 69
- ★ 478,000 invitees : 56.8% uptake
- ★ FOB positive 1.9%
- ★ Cancer 1.62 per 1000 screened
- ★ FOBt positive predictive value
  - ★ Cancer 10.9%
  - ★ Adenoma 35%

# Predicted outcomes of bowel cancer screening





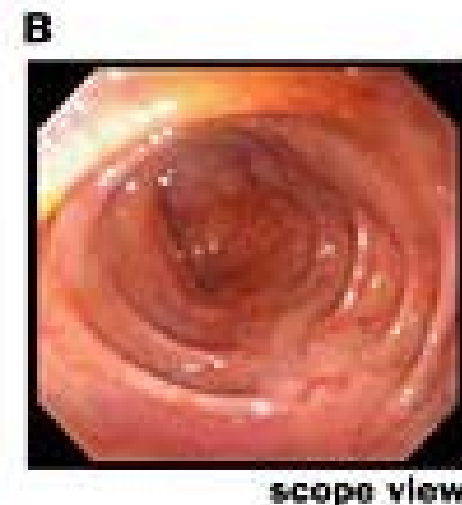
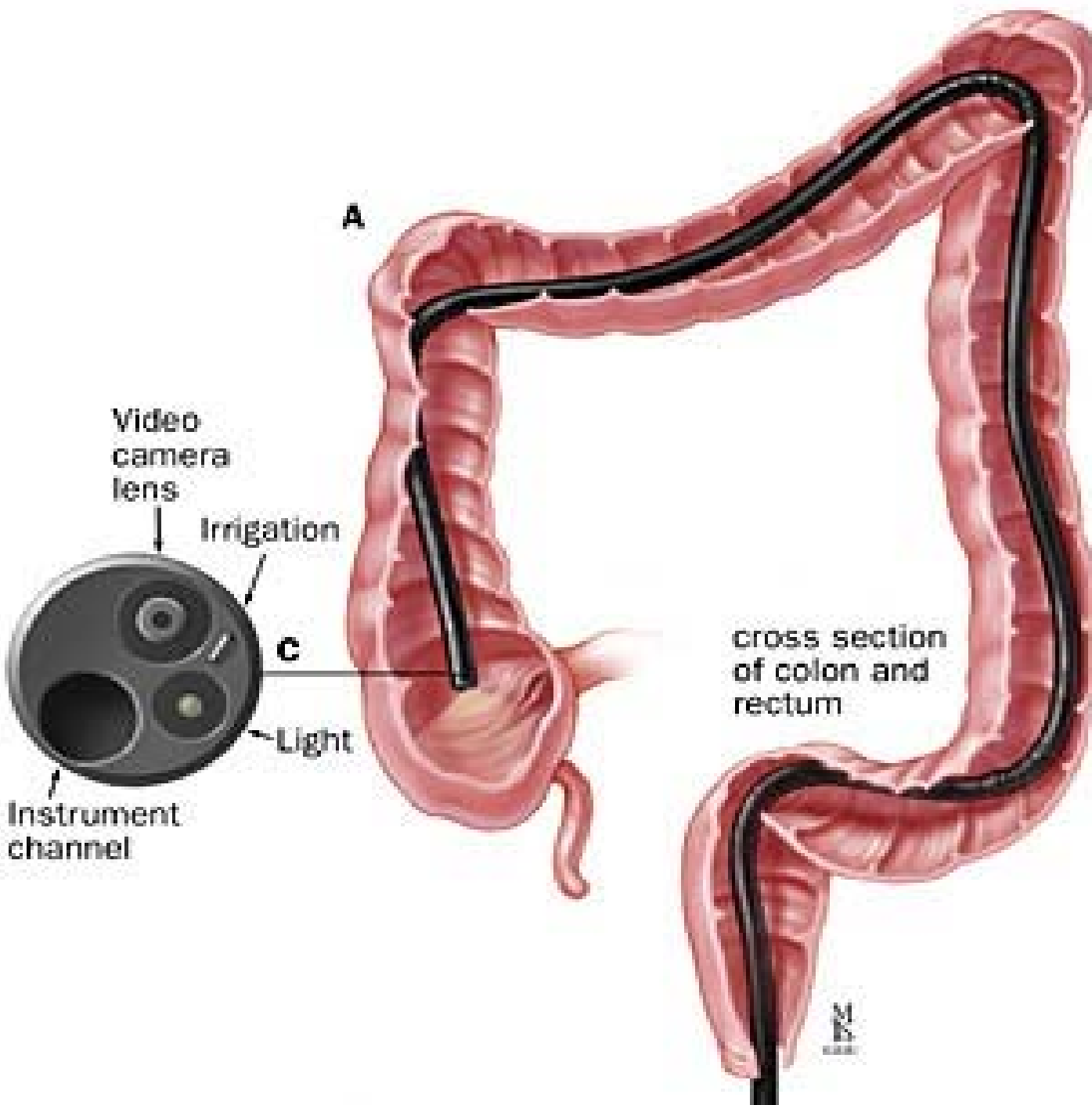
## ☀️ FOBT

- ☀️ Acceptable
- ☀️ Effective
- ☀️ Good enough for screening

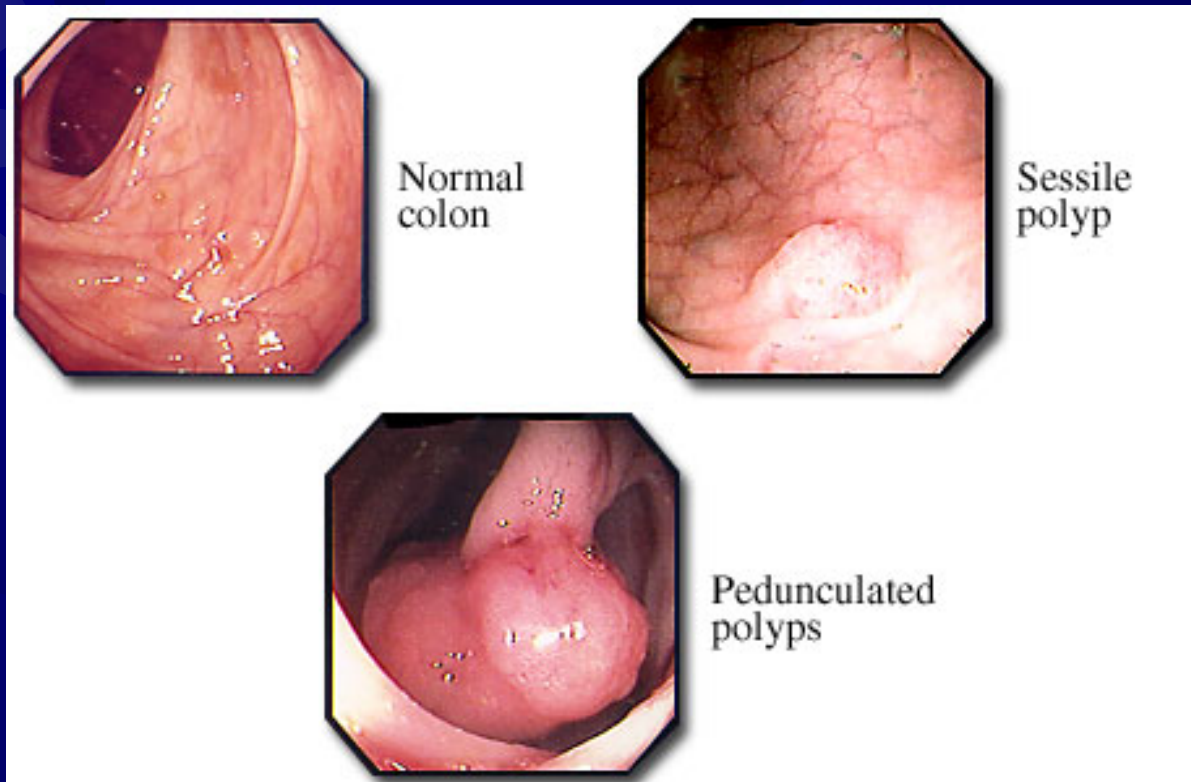
☀️ Colonoscopy needed for positives

# What is colonoscopy anyway?

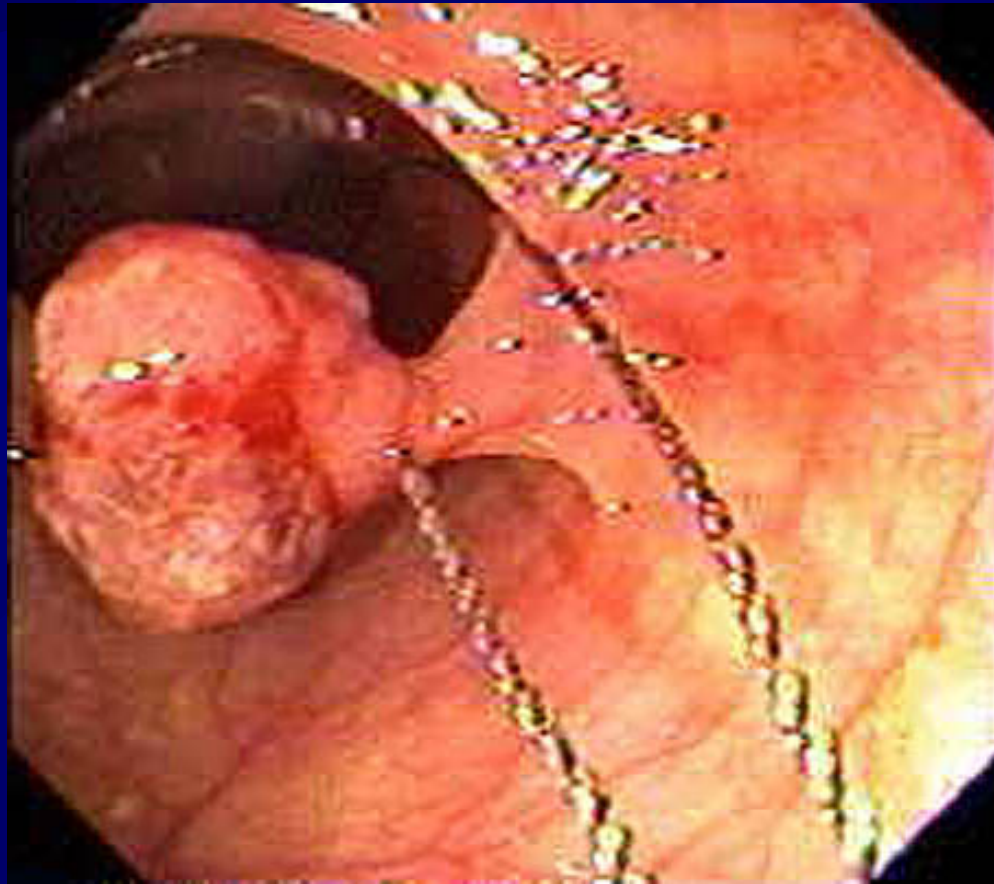




# Diagnostic – find it



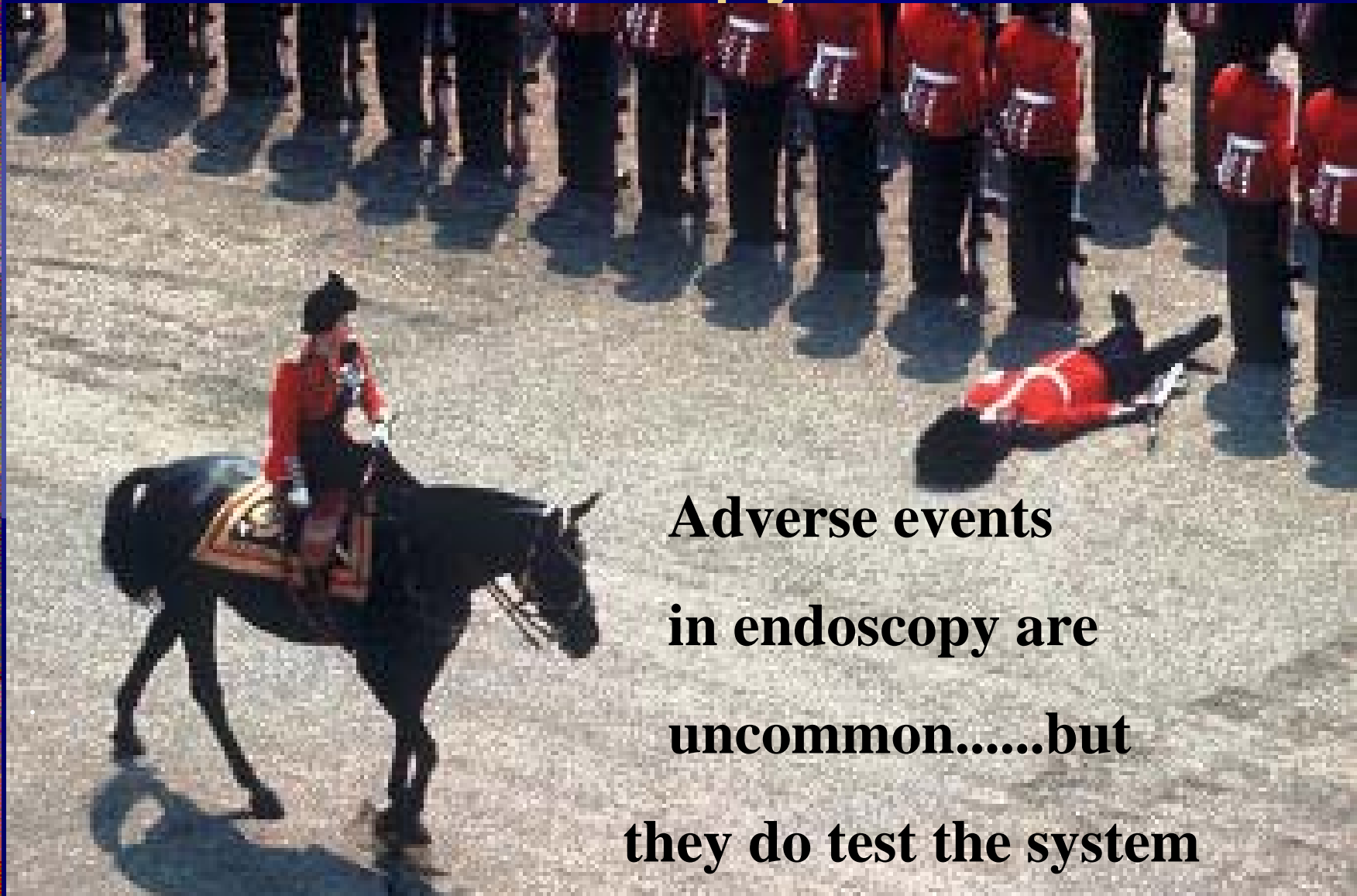
Therapeutic – deal with it



# Screening – the target



# Is colonoscopy safe ?



**Adverse events  
in endoscopy are  
uncommon.....but  
they do test the system**

# Colonoscopy Risks

- ★ Heavy bleeding 1:150
- ★ Perforation 1:1500
- ★ Death 1:10,000

# When.....?

- ☀ Men and women 60 – 69
- ☀ Alternate years
- ☀ 70+ can request screening
  - ☀ Pilots for 70-75

# East and North Herts BCSP

- ☀ Declared 'live' 3<sup>rd</sup> March 2008
- ☀ East and North Herts
  - ☀ QEII, Lister, Hertford County

# East and North Herts BCSP

- ★ 534,000 population
- ★ 60,000 aged 60 –69
- ★ Screen 30,000 each year
  - ★ 60% say yes – 18,000
- ★ 2% positive test – 360 colonoscopies
- ★ 10-12% cancer – 36-42 each year
- ★ 35-40% polyps – surveillance

# Bowel Cancer Screening Programme



*'We've all done the test at home'*

## OVER 60?

- Did you know that bowel cancer is the third most common cancer in the UK?
- If you are aged 60 – 69, and registered with a GP, you will automatically be sent a free kit to help detect bowel cancer early
- If you are 70 or over you can call **0800 707 60 60** to request your free kit

# Where.....?

- ★ FOBt at home

- Post to the Hub at Nottingham

- ★ Screening nurse clinics

- QEII, Lister, Hertford County

- ★ Colonoscopy

- East and North - QEII

# FOBT and 'Poo' sticks



# Who.....?



.....and finally

