



Stomal Therapy Conference 2018

Scoping

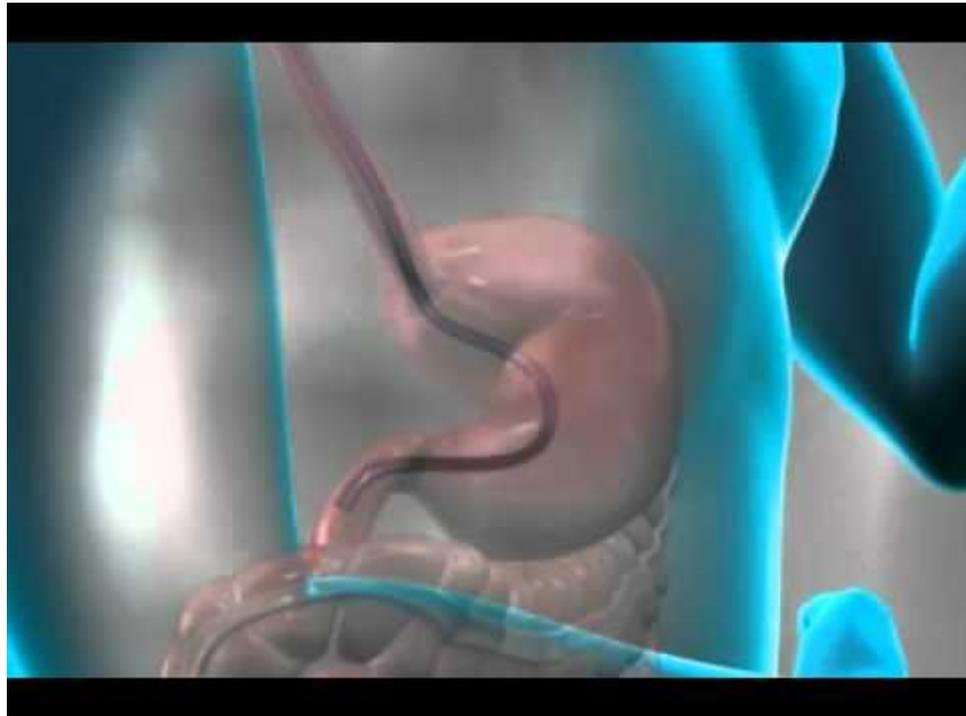
Debbie Perry

Auckland Hospital

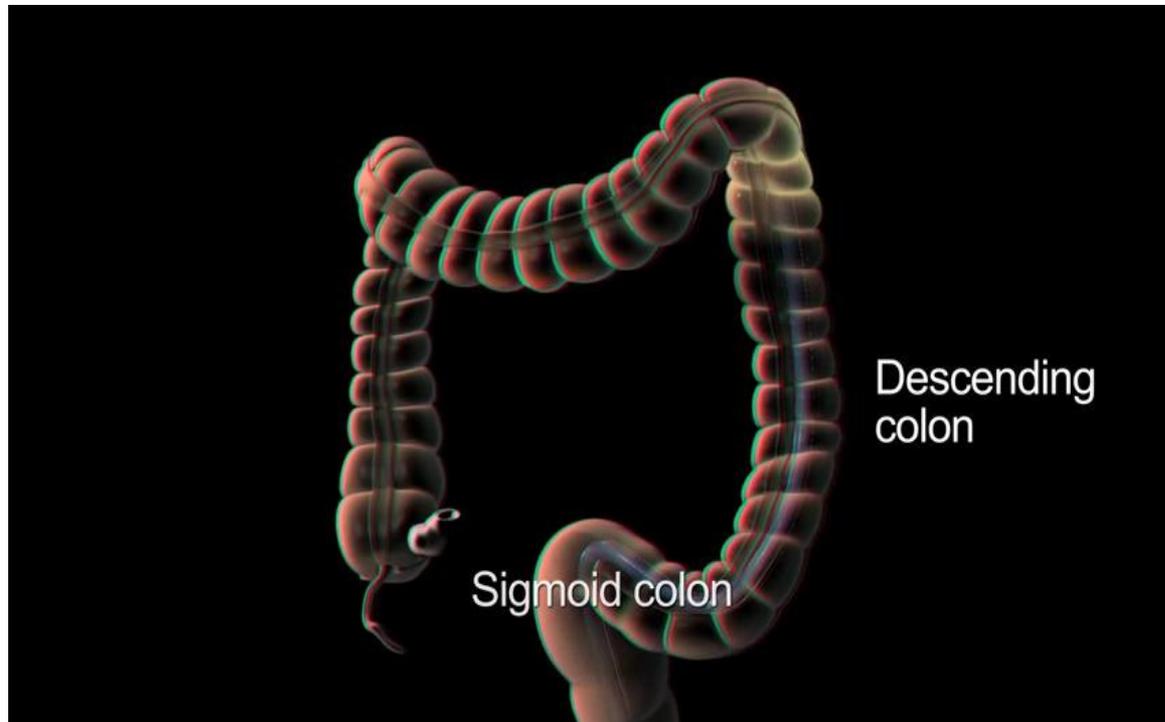
Scoping/endoscopy

- Gastroscopy
 - Flexible sigmoidoscopy
 - Colonoscopy
-
- From the top
 - Half way round
 - All the way round

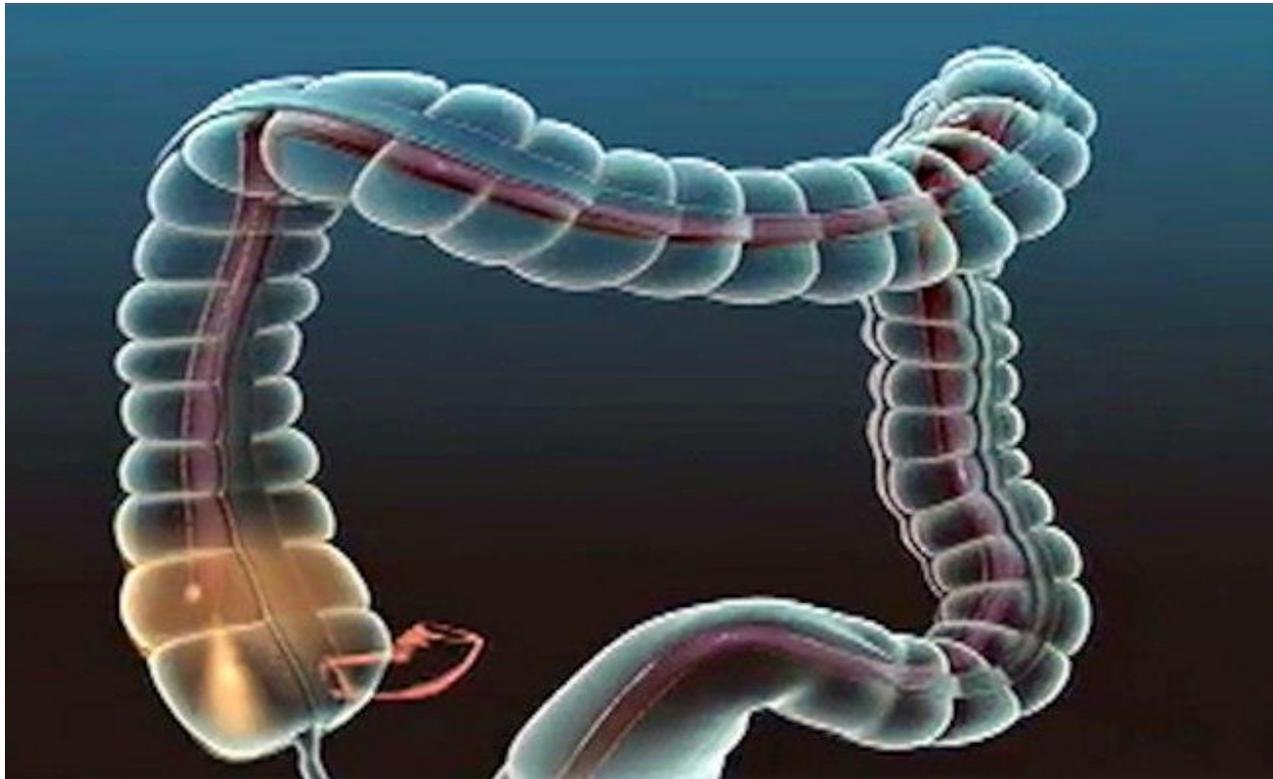
Gastrosocopy



Flexible sigmoidoscopy



Colonoscopy



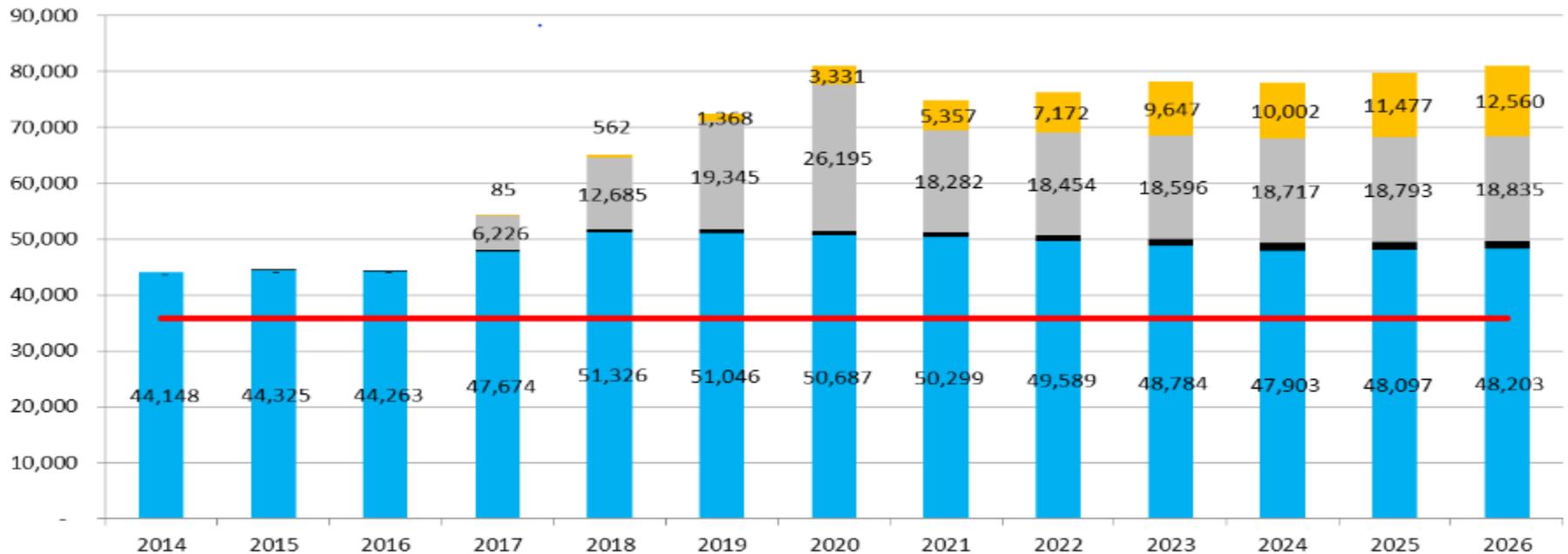
Increasing demand

- Increasing and aging population
- Cancer control
- Bowel Screening

National roll out as per WDHB (age 50-74 yrs.)

Colonoscopy demand 2014-2026 with National Bowel Cancer Screening from 2017 for New Zealand

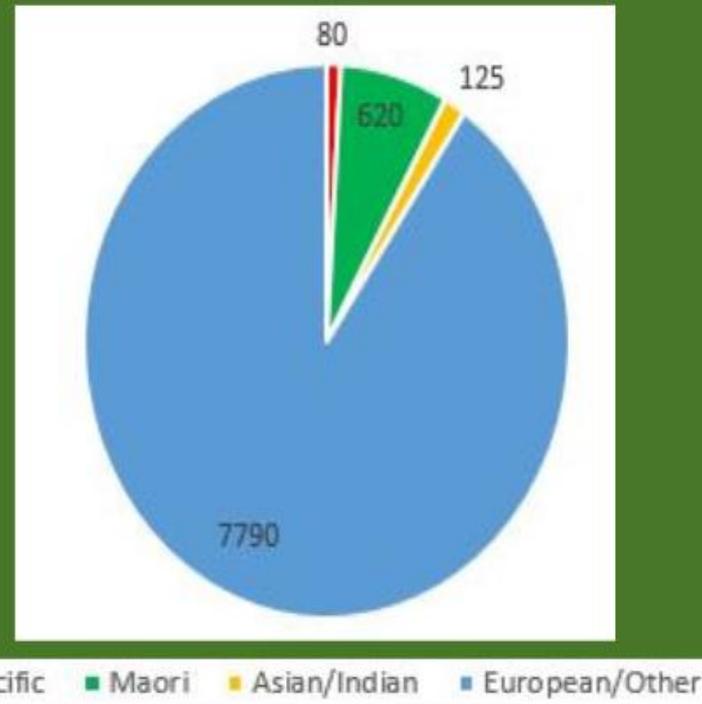
- Demand: Colonoscopy by Symptomatic Demand
- Demand: Colonoscopy, NBSP
- Supply: The Current Capacity (2014)
- Demand: Follow up Colonoscopy after CT Colonography
- Demand: Surveillance Colonoscopy - NBSP



Approx 780,000 people aged 60-74 eligible in New Zealand



Total eligible Wairarapa population by ethnicity



Based on StatsNZ population projections 2013

For every 1000 people who complete a bowel screening test, about 50 will be positive. Of those, about 35 will have polyps and, on average, 3 or 4 will have bowel cancer found.

Clinicians

- Gastroenterologists
- Colorectal/general surgeons
- General practitioner

The new breed

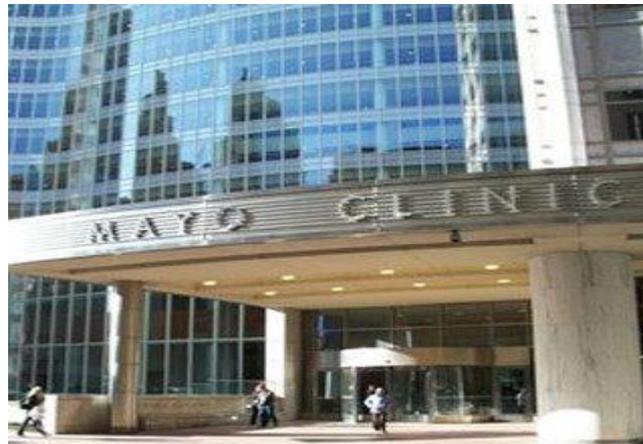
- Non medical or nurses

Expanded roles

- Nurses undertake expanded roles in the delivery of primary and specialty care.
- Task shifting.
- Major drivers are a deepening shortage of physicians, spiraling health-care costs, and the need to improve access to care and quality of services.

Its been around a while

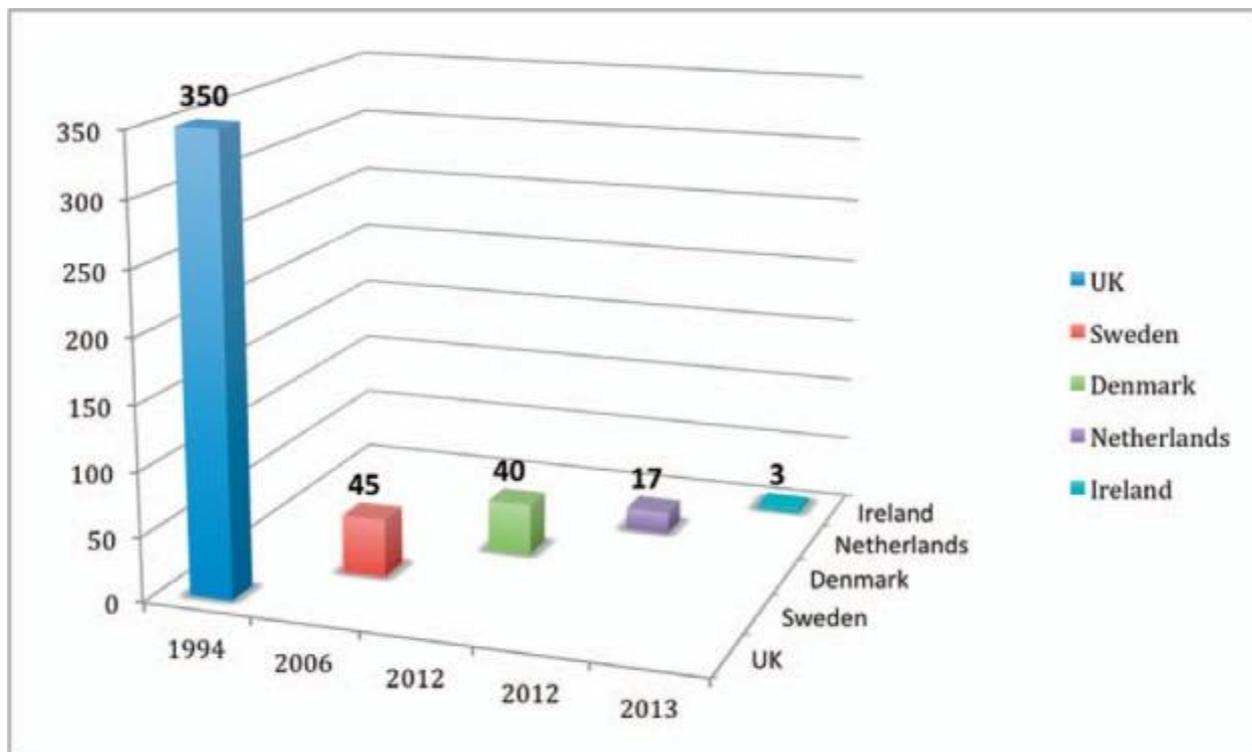
- The first nurse endoscopists practiced at the Mayo Clinic in the USA in the late 1970s and early 1980s



Nurse endoscopists

- England
- Sweden
- Denmark
- Ireland
- Netherlands
- US
- Canada
- Australia

Number of Nurse endoscopists in Europe



Numbers of trained nurse endoscopists in Europe (U. Beilenhoff, ESGENA secretary)

New life



Barriers in New Zealand

- Trainers not happy to train nurses
- Lack of facilities to train nurses
- Lack of preparedness
- Nurses not able to give sedation

Taking Matters into your own hands

- The colorectal surgeons
- The hospital management
- The outpatient department
- The nurse development managers

All agreed to work on a credentialing program to enable nurses to train to perform flexible sigmoidoscopy.

Colorectal Investigation Clinic

- Patients with rectal bleeding
- No alarm symptoms
- A one stop shop
- Referred for further investigations if necessary



Haemorrhoids



*Rubber band ligation
of internal hemorrhoid
endoscopic view*



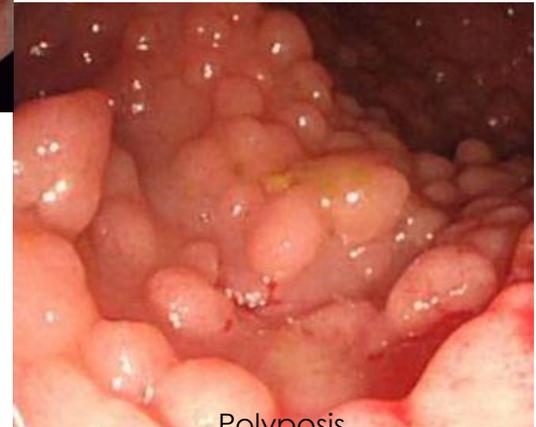
Fissure in ano



Cancer



Crohn's



Polyposis

Many months later

I finally made it to the descending colon. I was assessed by independent expert endoscopists who deemed me safe and competent.

With my colorectal experience I could autonomously run my own clinic.





Nurse Endoscopy training

- Started 2016
- Four nurses, two from Auckland, one from Waikato DHB, one from Southern DHB
- Second cohort just finishing the university endoscopy program

Training

- It takes between 2-3 years to train an endoscopist
- It takes many more for them to be proficient to carry out screening endoscopy
- Nurses are being trained to perform upper and lower endoscopy

Economics



Are Nurse Endoscopists
cost effective?

Not all plain sailing

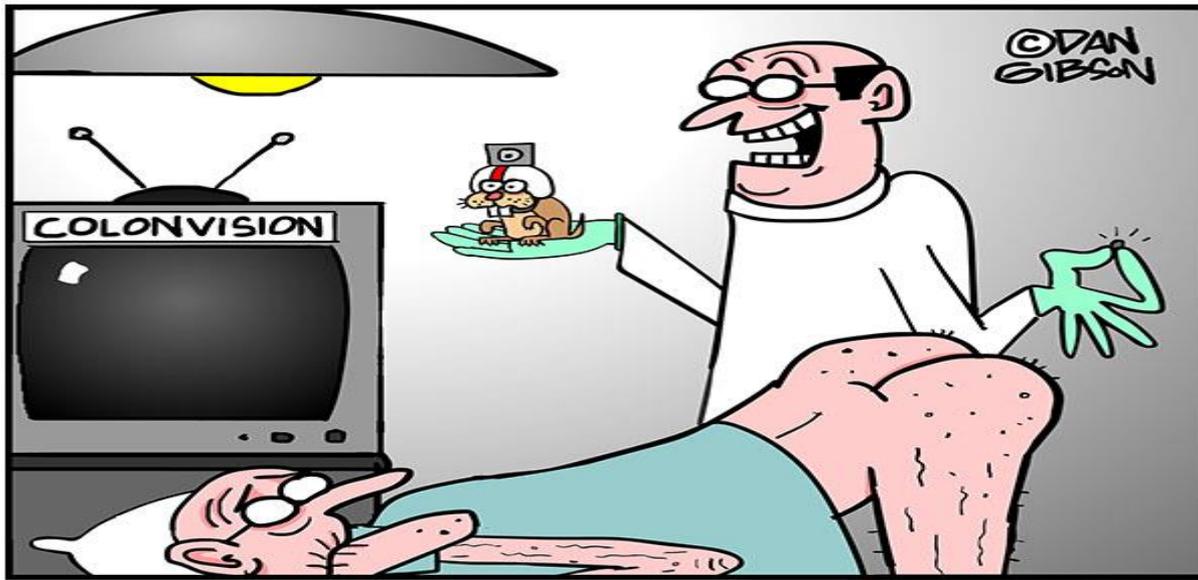


References

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- 6. National Screening Unit 2017 <https://www.nsu.govt.nz/news/screening-matters-issue-58-april-2017/national-bowel-screening-programme-update>
- 7. Ministry of Health 2018 <https://www.health.govt.nz/your-health/conditions-and-treatments/diseases-and-illnesses/bowel-cancer>

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By Dan Gibson



Do you want to go with the deluxe colonoscopy using a tiny fiber optics camera, or the economy procedure using the hamster and GoPro helmet?