

# Stomal Therapy Conference 2018

## **Scoping**

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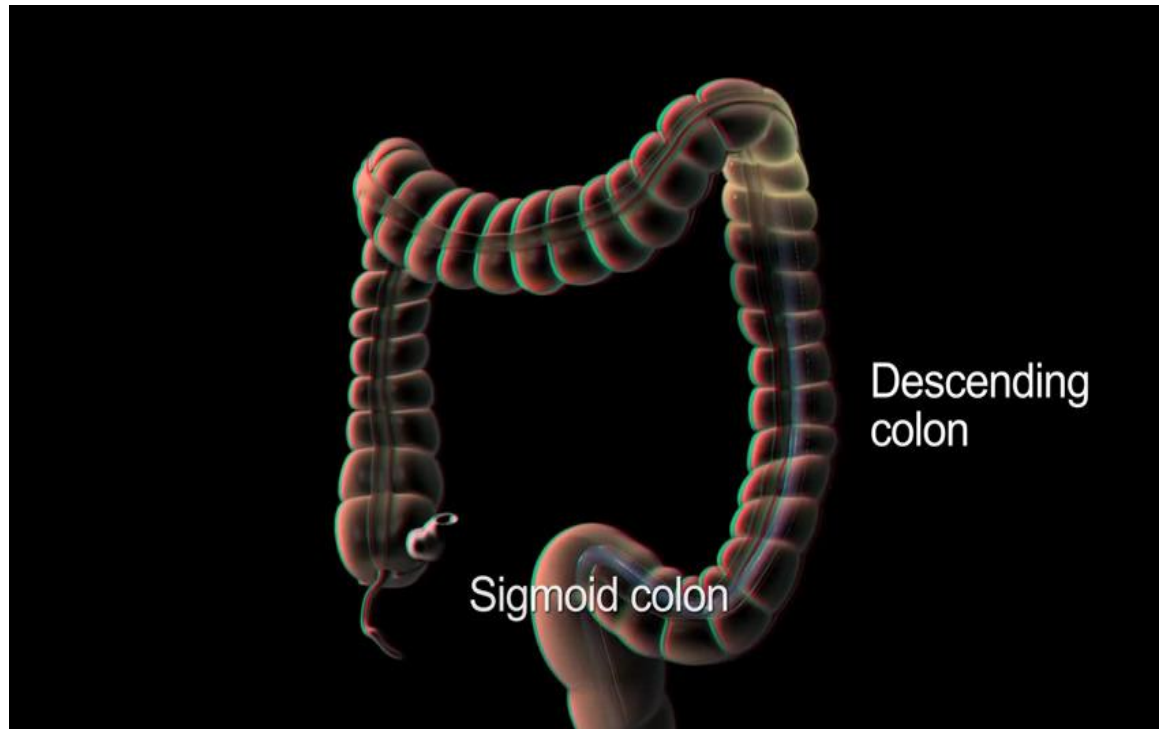
# Scoping/endoscopy

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

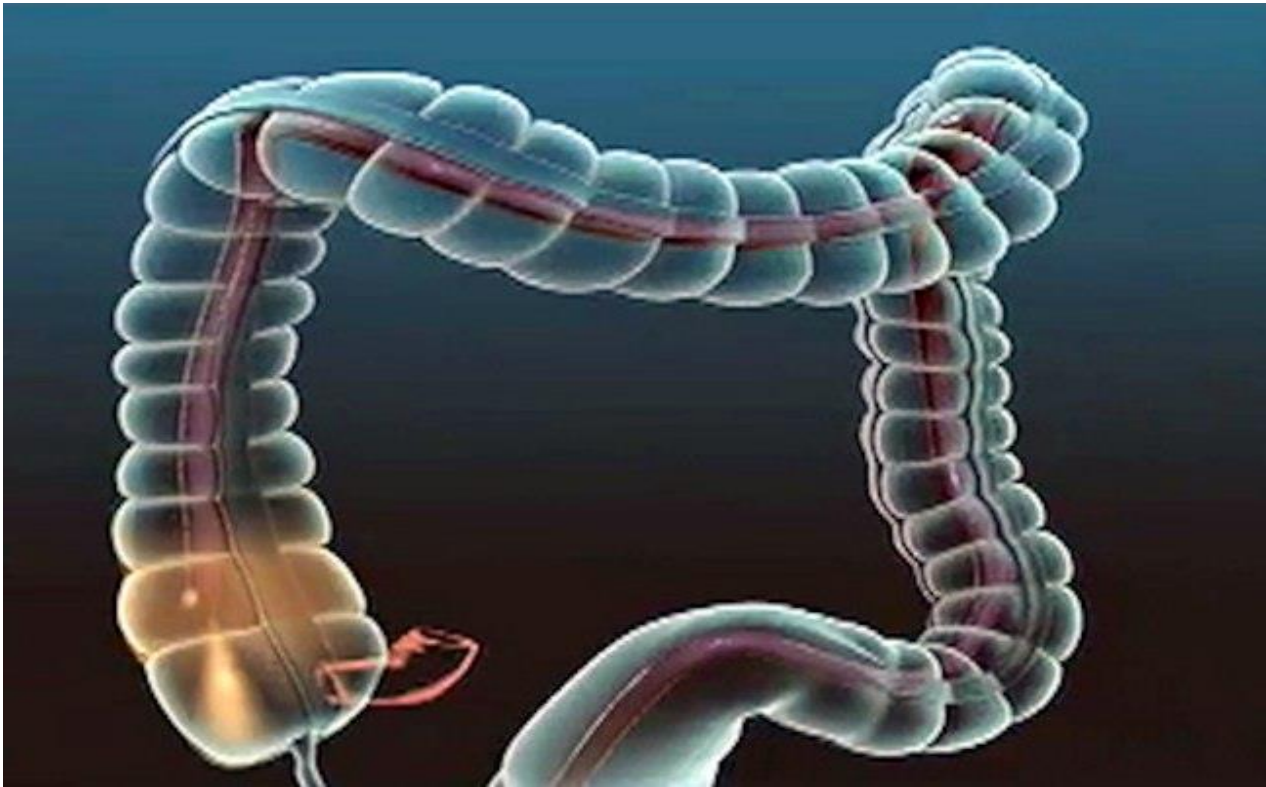
# Gastrosocopy



# Flexible sigmoidoscopy



# Colonoscopy



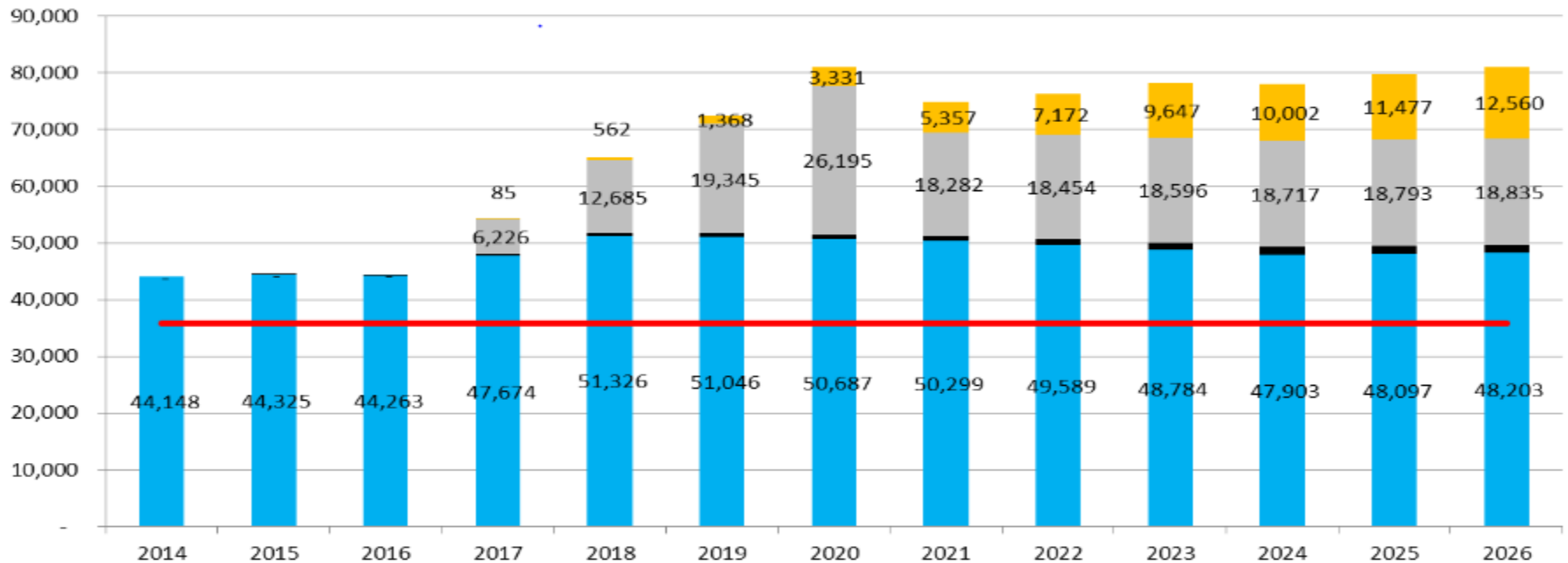
# Increasing demand

- 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

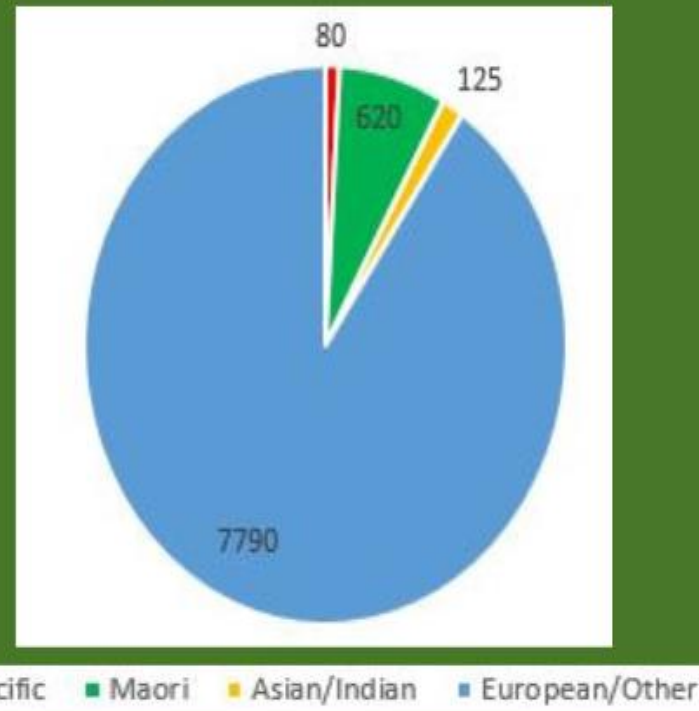
- Demand: Colonoscopy by Symptomatic Demand
- Demand: Colonoscopy, NBSP
- Supply: The Current Capacity (2014)
- Demand: Follow up Colonoscopy after CT Colonography
- Demand: Surveillance Colonoscopy - NBSP



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

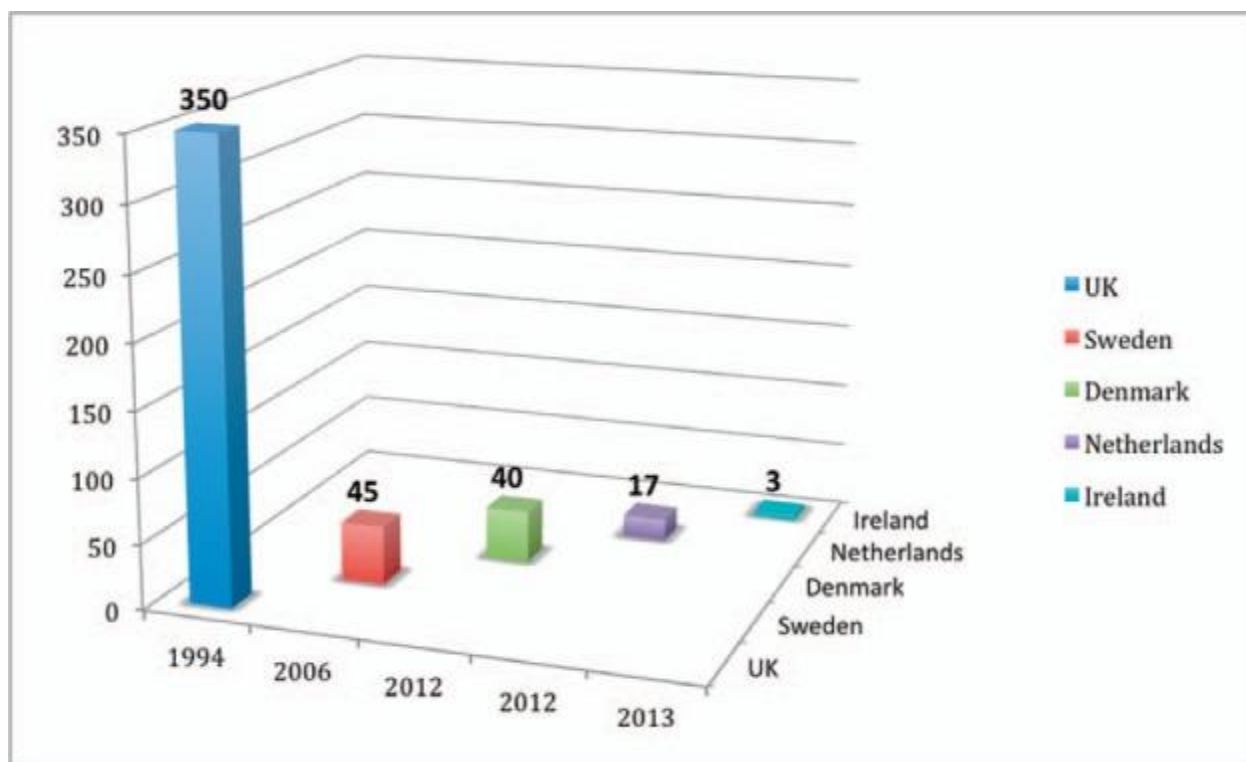
- The first nurse endoscopists practiced at the Mayo Clinic in the USA in the late 1970s and early 1980s



# 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*



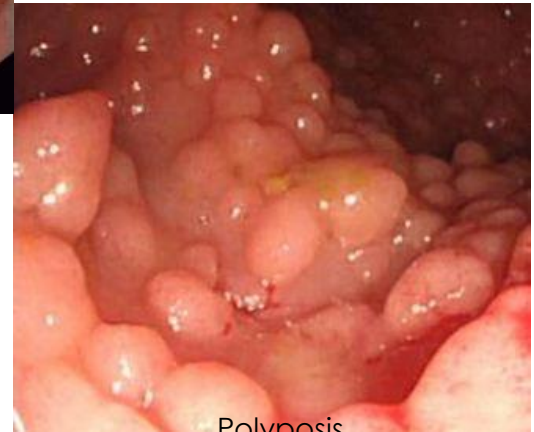
Fissure in ano



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

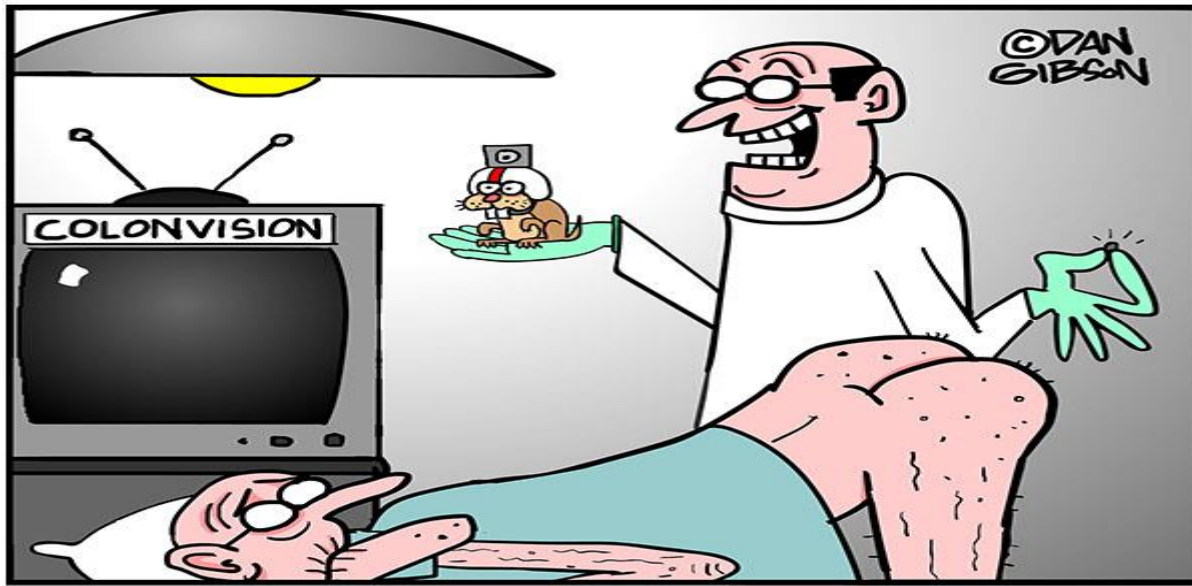


# References

- 1. Wright KB. A description of the gastroenterology nurse endoscopist role in the United States. *Gastroenterol Nurs.* 2000;23(2):78–82
- 2. Weissman G, Winawer SJ, Baldwin MP, et al. Multicenter evaluation of training of non-endoscopists in 30-cm. Flexible sigmoidoscopy. *CA Cancer J Clin.* 1987;37:26–30.
- 3. Maule WF. Screening for colorectal cancer by nurse endoscopists. *N Engl J Med.* 1994;330:183–187
- 4. Maier, C. B. (2015). The role of governance in implementing task-shifting from physicians to nurses in advanced roles in Europe, U.S., Canada, New Zealand and Australia. *HealthPolicy* 119, 1627–1635
- 5. Pefifer UG, Schilling, D. Non-Physician Endoscopy: How Far Can We Go? *Visceral Medicine.* 2016 Feb; 32(1): 13–20. Published online 2016 Feb 10. doi: 10.1159/000443623
- 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?**