

Colon Camera Capsule in FIT positive screening individuals

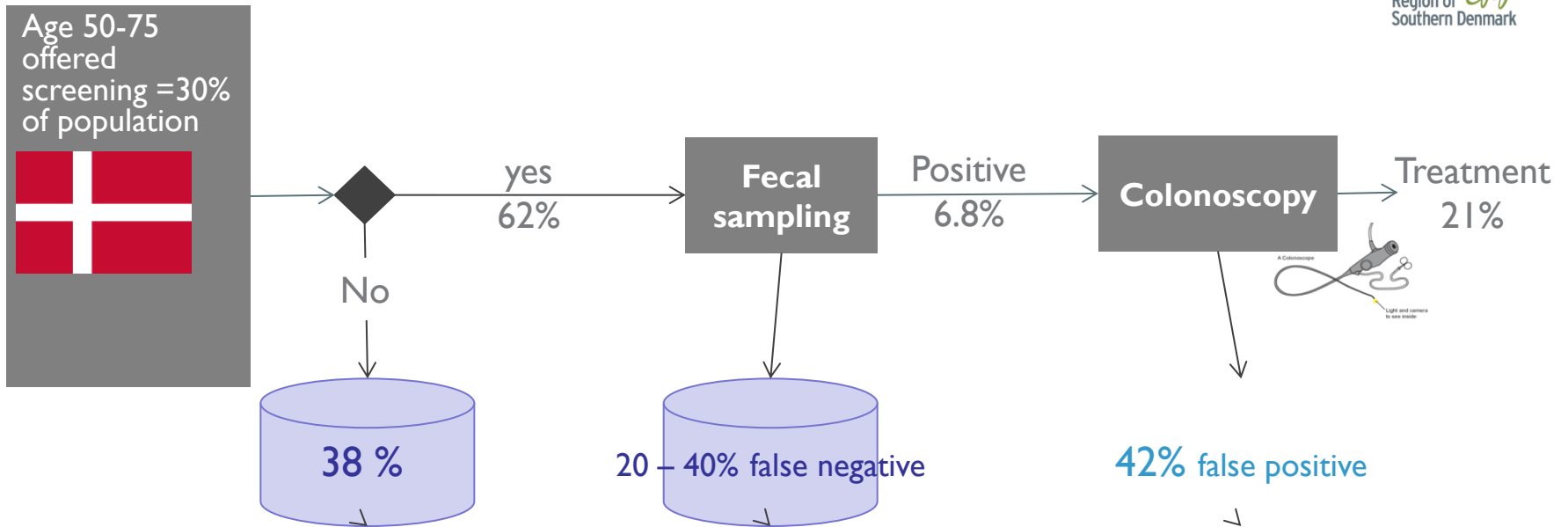
WEO Colorectal Cancer (CRC) Screening Committee
Meeting Barcelona, October 27, 2017

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Disclosures

- Medtronic supplied free capsules.

Danish FIT Screening



FIT test

- FIT > 100 μg hgb/L buffer
- equals 20 μg hgb/gram faeces.

Day

Bowel Preparation

-2

Morning: 1000 mg oral magnesium-oxide
2 L of water
Evening: 1000 mg oral magnesium-oxide

-1

Clear fluids diet
Evening: 1 L Moviprep and 2½ L of water

0

Morning: 1 L Moviprep and 1½ L of water.
60-90 minutes of fasting
Capsule ingestion
with 20 mg oral domperidon
Booster 1: ¾ L Moviprep and ½ L Water
Booster 2: ¼ L Moviprep and ¼ L of water
10 mg rectal bisacodyl
Clear fluids diet

1

Colonoscopy

Study design

- Non-randomized back to back test
- 253 FIT positive screening individuals had both OC and CCE in the same bowel preparation.
- Polyps > 5 mm demonstrated in CCE only were offered a 2nd OC

Complete investigations

- Colonoscopy: 90 %
- CCE: 54 %
- Complete transit (+/- acceptable cleansing): 57 %
- Complete CCE total 54 %
- Complete OC and CCE: 50 % = 126 cases

Number of polyps detected in total

OC1

Total:	434
< 6mm:	216
6-9 mm:	115
> 9 mm:	93
Unknown	10

CCE

• Total:	483
• < 6mm.	141
• 6-9 mm:	183
• >9 mm:	159
• Unknown	4

Results total – complete and incomplete:

(standard = OC1 + OC2)

- PDR
 - OC1: 64 %
 - CCE: 74 %
- Sensitivity (> 9 mm)
 - OC1: 87 %
 - CCE: 88 %
- Specificity (>9 mm)
 - OC1: 100 %
 - CCE: 92 %

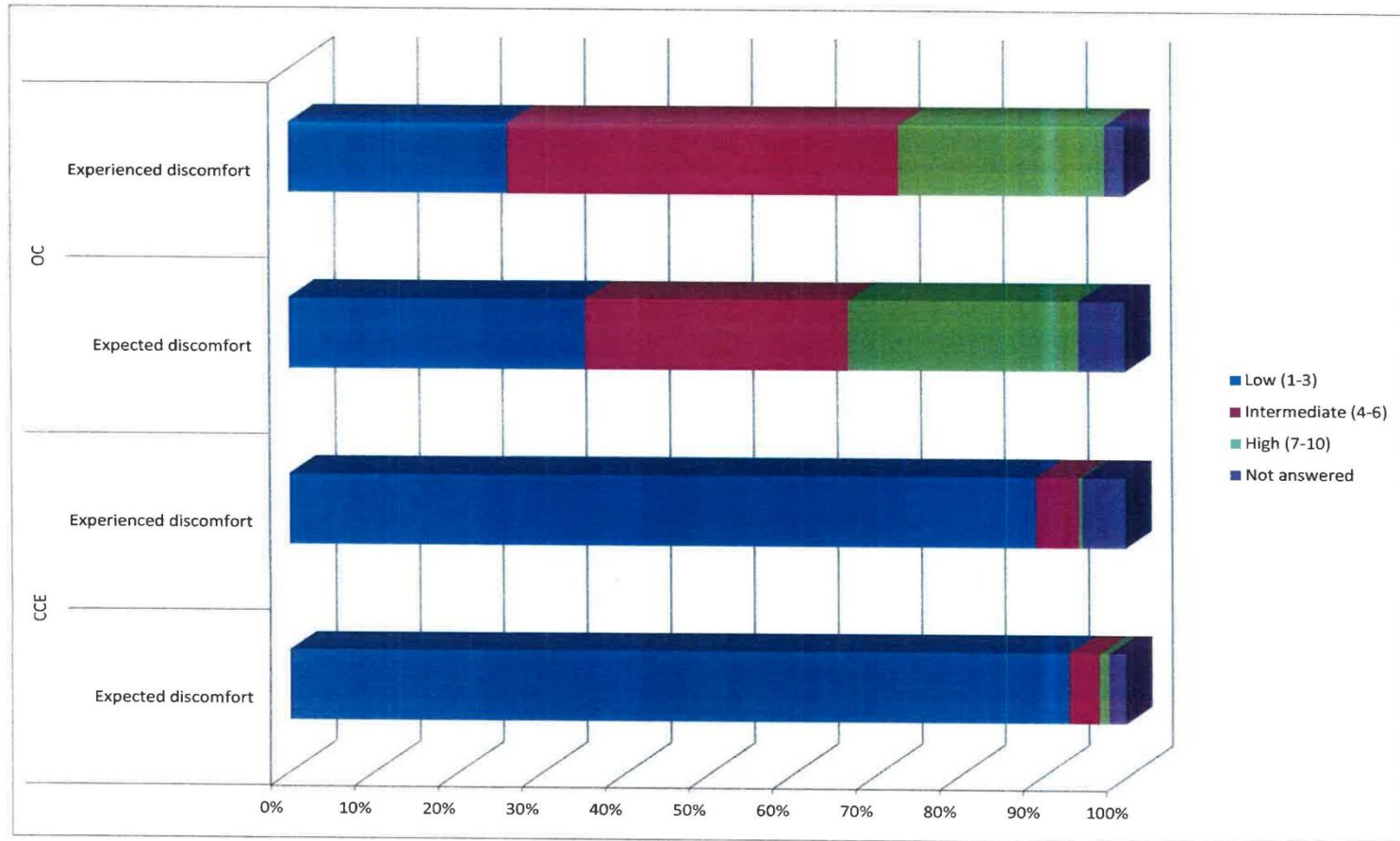
Results complete investigations

- PDR
 - OC1: 65 %
 - CCE: 86 %
- Sensitivity
 - OC1: 89
 - CCE: 97
- Specificity
 - OC1: 100
 - CCE: 90

Re-classification after OC2 Verified

- 12 Re-classifications
- 4 additional low risk
- 3 additional intermediate risk
- 5 additional high risk

Patient discomfort



Conclusion

- Standard bowel preparation with Domperidol is insufficient.
- Complete CCE investigations are more sensitive than OC
- The performance of CCE is likely underestimated due to poor golden standard.
- Acceptability might be better with CCE