Supplementary Online Content

Bretthauer M, Kaminski MF, Løberg M, et al. Population-based colonoscopy screening for colorectal cancer: a randomized clinical trial. *JAMA Intern Med.* Published online May 9, 2016. doi:10.1001/jamainternmed.2016.0960.

eFigure 1. Participant Pain During and After Colonoscopy per Country With CO₂ or Air Insufflation, Stratified by Sedation

eFigure 2. Statistical Power of the NordICC Trial

eTable 1. Pain During and After Colonoscopy, Respectively, Using Air or Carbon Dioxide (CO₂)

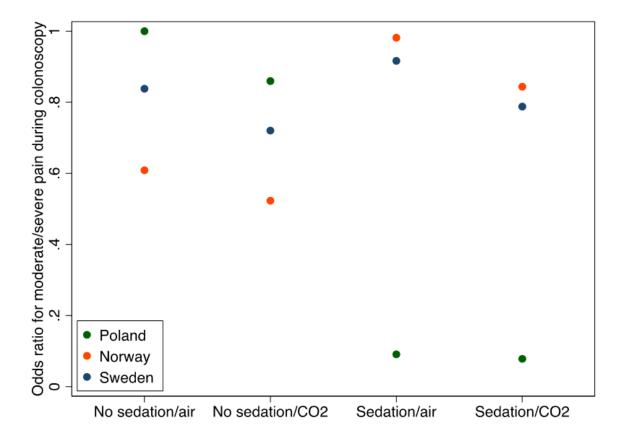
Insufflation in the Participating Countries

eTable 2. Adenoma Detection Rates in the Proximal and in the Distal Colon in the Participating Countries

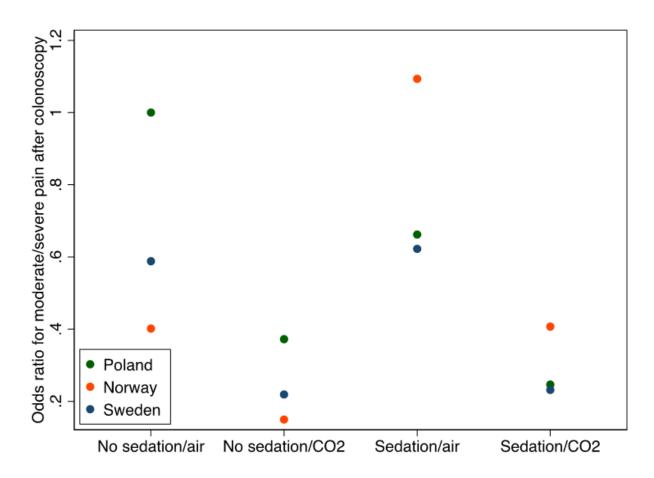
This supplementary material has been provided by the authors to give readers additional information about their work

eFigure 1. Participant Pain During and After Colonoscopy per Country With CO₂ or Air Insufflation, Stratified by Sedation

Panel A: Pain *during* colonoscopy (Reference category: colonoscopies performed in Poland with air for insufflation and no sedation)

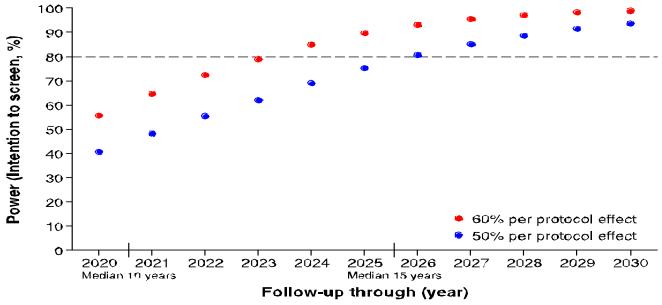


Panel B: Pain *after* colonoscopy (Reference category: colonoscopies performed in Poland with air for insufflation and no sedation)



eFigure 2. Statistical Power of the NordICC Trial

The figure shows different scenarios for statistical power with the actual achieved participation rate of 40.0%. The points display the power to detect a significant difference between the screening group and the control group during increasing follow-up time in an intention-to-treat analysis, given an effect of the intervention in those who participated of 60% (red) and 50% (blue).



Power to detect a difference in colorectal cancer mortality. The actual screening compliance was used in the calculations.

eTable 1. Pain During and After Colonoscopy, Respectively, Using Air or Carbon Dioxide (CO_2) Insufflation in the Participating Countries

		Total		Norway		Poland		Sweden	
		Air	CO2	Air	CO2	Air	CO2	Air	CO2
		insufflation							
Pa	in during								
colonoscopy									
	No/little pain	2,859	4,219	41 (85.4)	3,628	2,811	359 (77.9)	7 (70.0)	232 (71.0)
		(79.2)	(80.0)		(80.9)	(79.2)			
	Moderate/severe	749 (20.8)	1,052	7 (14.6)	855 (19.1)	739 (20.8)	102 (22.1)	3 (30.0)	95 (29.1)
	pain		(20.0)						
Pa	in after								
co	lonoscopy								
	No/little pain	3,010	5,040	2.960	427 (92.2)	41 (85.4)	4,310	9 (90.0)	307 (94.5)
		(83.3)	(95.8)	(83.3)			(96.2)		
	Moderate/severe pain	602 (16.7)	223 (4.23)	594 (16.7)	36 (7.8)	7 (14.6)	169 (3.8)	1 (1.0)	18 (5.5)

eTable 2. Adenoma Detection Rates in the Proximal and in the Distal Colon in the Participating Countries

		Overall,	Norway	Poland	Sweden	Netherlands
		n(%)	-			
Adenoma detection		3,863 (30.7)	1,455 (27.2)	2,112 (35.2)	70 (14.4)	226 (31.0)
	Proximal	2,274 (18.1)	794 (14.8)	1,315 (21.9)	28 (5.8)	137 (18.8)
	Distal	2,408 (19.1)	947 (17.7)	1,269 (21.1)	51 (10.5)	141 (19.3)