

0.66%

Prospective Quality Assessment of Screening-Colonoscopy in Berlin (Berlin Colonoscopy Project, BECOP-3).

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INTRODUCTION

Routine documentation of screening-colonoscopy provides a basis for information on the quality of healthcare in Germany. Special quality aspects e.g. instrument withdrawal time, preparation quality or patient acceptance remain largely unaccounted for; there has also been no audit performed for collected data. In the present assessment, we prospectively gathered and analyzed



AIMS & METHODS:

From October 2006 to March 2008, we prospectively documented results, sedation, preparation-quality and complications of all screening-colonoscopies performed in 18 private practices in Berlin. Patients were given questionnaires, which they were instructed to send back after one week; questions included e.g. acceptance of colonoscopy-preparation, overall colonoscopy acceptance, as well as eventual late complications. A 5-year-follow-up has been planned. RESULTS:

In an intermediate analysis till end September 2008, 12135 examinations were documented [m:f=47%:53%, mean age: 64.5 years (range ± 13)]. The following data were found: Coecum-intubation rate: 98%; adenoma detection rate: 21.05%; patients with adenomas: 2548; total number of adenomas: 3818; patients with polyps: 4102; total number of polyps: 6973; adenomas per patient: 1.5; carcinomas: 101 (0.83%). Among the detected adenomas, 24.2% were flat lesions and 0.9% contained histologically high-grade dysplasias (HGIN). Instrument withdrawal time was 8.4 min (mean) and 80 complications were recorded (0.66%), 14 of which were primarily noted in the received questionnaires. In regards to patient acceptance (feed-back until now 88% concerning doctors-CRF's and 83% concerning audit) BLEOF CORN WAS NEXTED AN WELL AF CERT 22 LEI BE SCHARTER 08 somewhat unpleasant in 30% of patients.

Case-number n=12135 Duration of the study (with variable beginning) 10/06 bis 3/08

Completeness after audit

Filled in Doctors-CRF

In comparison to all examined patients 90 % Patients-CRF until now n= 8519 70% of the doctors-CRF Due to audit/reworking we suspect an increase of the redeliveries of more than 80%.

Private practices

18 private practices with a total of 21 examiners took part. The included case-volume was between 137 and 1097.

Patients

Male/Female	47% - 53%
Mean age	64,5 years (64,8 men, 64,3 women)

LITERATURE:

nl H, Papanikolaou IS, Abou-Rebyeh H, Schachschal G, Veltzke-Schlieker W, Khalifa AC, Setka E, Koch M, Wiedenmann B, Rösch T.: ve Randomized Study on Narrow-Band Imaging versus Conventional Colonoscopy for Adenoma Detection: Does NBI Induce a Learning Effect? 7:59-64.

I S, Marowski B, Drossel R, Rehs HU, Willich SN, Riese J, Wiedenmann B, Rösch T; for the Berlin Private-Practice Gastroenterology Working Group: ness of Colonoscopy in the Era of Colorectal Cancer Screening: A Prospective, Multicenter Study in a Private-Practice Setting noscopy Project 1, BECOP 1). Dis Colon Rectum. 2007;50:1628-38.

Colonoscopy-Performance

Cecumrate	98% (Cecum: 65	5%, Ileum: 33%)		
Colon-cleanliness 87.5% good or sufficient				
3.3% bad or insufficient				
Withdrawel-time	8.4 ± 5.2 min			
Sedation	None	15%		
	Dormicum-based 35%			
	Propofol-based	49%		
	Others	1%		
Sedation-quality	85% complet oder sufficient			
(judgement by the examiner)				

(judgement by the examiner)

Colonoscopy-results

Adenomarate 0.315 (all Adenomas/all Patients) Patients with Adenomas 21.05%

Complications

Acute diagnosed during colonoscopy Later diagnosed by the examiner 0.12% Stated by the patient 3.4% (will be clarified in detail)

Patients-inquiry (Data still incomplete; n=8519)

Complaints after the examination (multiple mentioning is possible)

is possible)		
 Flatulence 	48%	
 Pain after very strong flatulence 	13.5%	
 Minimal bloodloss 	3.1%	
 Strong bloodloss 		
0.3%		
•Fever	0.2%	
 Circulation problems 	5.8%	
•Others	4.8%	
Preparation		
 Good acceptable 		44%
 Something unpleasant 	30%	
 Unpleasant, tolerable 	22%	
•Very unpleasant	4%	
Sedation		
•None	17%	
 Very good, nothing remarked 	53%	
•Very good, remarking something	23%	
•Effect not enough, something unp	leasant 4%	
•Effect not enough, painful	2%	
 Uneffective, very painful 	0.5%	
•Others	0.5%	
Examination itself		
 Good acceptable 		76%
 Something unpleasant 	16%	
•Unpleasant, tolerable	7%	
•Very unpleasant	1%	

CONCLUSIONS:

The present prospective investigation shows a high Coecum-intubation rate and an excellent patient acceptance. Some 25% of adenomas were classified as flat. In 1.7% of patients advanced histologies (carcinoma or HGIN) were found. According to delayed-questioning of patients complication-rate increased by about 20%.