

대장 용종의 진단 및 치료

Colorectal Polyps : Endoscopic Diagnosis and Polypectomy

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Abstract

A colonic polyp is a circumscribed mass of tissue that projects above the surface of the intestinal mucosa, which may be classified as either pedunculated or sessile, depending on whether or not it contains a discrete stalk, and according to the size and type. It has been believed that colorectal cancer evolves from a precursor lesion, the adenomatous polyp. The introduction of colonoscopy in the early 1970s, followed by the demonstration of the feasibility of colonoscopic polypectomy, provided the technology for the application of this concept to clinical practice. Colorectal cancer can be prevented through examination of the entire colon and identification of a polyp to be resected. According to the National Polyp Study in the USA, the incidence of colorectal cancer is reduced by 76~90% following colonoscopic polypectomy. Colonoscopy and polypectomy, when performed by adequately trained physicians, is a safe and effective procedure that can decrease deaths resulting from colorectal cancer.

Keywords : Colonic polyp; Colon cancer; Colonoscopic polypectomy

가

가 (1)

(2).

(1) (spo-

radic) (hereditary)

가 가 가

가

가 1 cm

(3).

2가

adenoma - carcinoma

sequence(4)

de novo pathway(5)

1.

		(Adenomatous Polyps)	
sporadic polyps	Non - neoplastic	Hyperplastic* (metaplastic)	
		Inflammatory	
	Neoplastic	Juvenile	
		Lymphoid	1947
Hereditary polyps and polyposis	Non - neoplastic polyposis	Adenoma*	가
		DALM*	가
		Hyperplastic polyposis	가 가
	Neoplastic polyposis	Juvenile polyposis	가 가
		Peutz - Jeghers syndrome	
		HNPCC*	가 . 50 30%, 60
Flat adenoma syndrome	40 ~ 50%, 70 50 ~ 65%		

DALM, dysplasia - associated lesion or mass ; HNPCC, hereditary nonpolyposis colorectal cancer ; FAP, familial adenomatous polyposis (includes Gardner's syndrome).

* These polyps may display protruding and nonprotruding (flat) profiles.

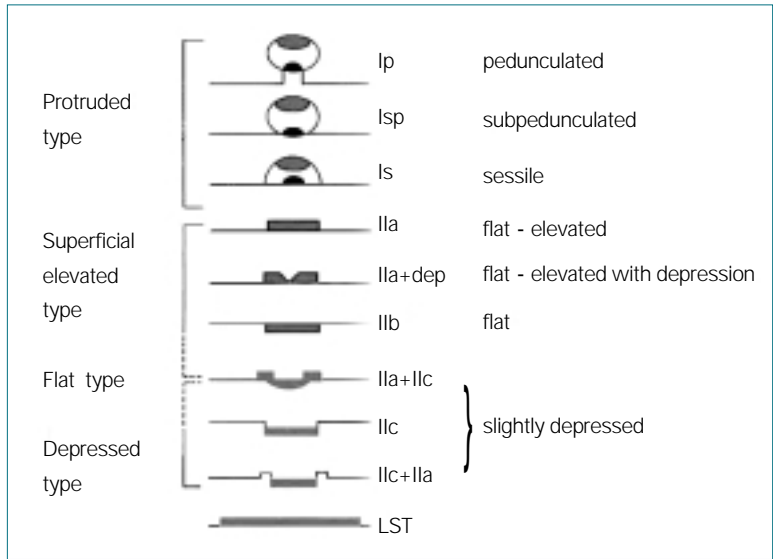
† Despite the benign histological profile, patients are at risk for gastrointestinal and/or extraintestinal cancers.

Carcinoma changes in neoplastic polyps and lesions : carcinoma in situ, intramucosal carcinoma, questionable invasive carcinoma, submucosal carcinoma, de novo carcinoma.

1 cm (7).
10% (8) 가
(9). National

Polyp Study

가 5 , 10
가 가 1/2 inch가 5
가 , 5
(10). 가
12 ~ 27% , 가 5 mm
가 1990 5
2.5 ~ 4%, 10 8 ~ 12%, 20 24% (11)
가 (surveillance)
(12, 13).



1.

1980

가

(16).

가

가

Dr. Kudo

(1)

가

(pedunculated polyp),

1.

(Pedunculated Polyp)

(semipedunculated polyp)

(sessile

(stalk)

polyp)

Yamada

Ip(pedunculated)

4가

Isp(subpedunculated)

가

(14),

flat protruded,

grouped, dome, pedunculated, caterpillar, mulberry, foliar, chrysanthemum, gourd

(15).

가

가

가

가

가

(flat adenoma)

(1).

(17).

2. (가 1 cm),
 IIC+IIa (가) . IIC
 5 cm . (pit IIC+IIa 가
 pattern : 가)
 (hyperplastic polyp) 가
 , IIC IIb 가 .
 (friability),
 (17).

(18).

가 5 mm (19)

(20).

3. (Flat Adenoma)

가 . (gland) ,
 , 가 (21,
 22) . II
 (IIa), (IIb), (IIc) IIa
 가 .
 (lateral spreading tumor) , (irregular ele-
 . IIa vated margin),
 가 1/2 가 2 mm 가
 IIb
 가 5 mm .
 IIC 가 Dr. Kudo V
 . IIa+dep (IIa
), IIa+IIC (23).

4. (Lateral Spreading Tumor)

(24), (creeping tumor)(25)

10 mm

가

가

가

(26).

3~5
4 L(Colyte)

demerol

tro - surgical unit), 가 (snare),

가

가

가

(28) polyethylenglycol

(29).

buscopan, midazolam, diazepam,

(elec-

1.

가

(13).

가

2

가
(27)

1.

(Standard Snare Polypectomy)

가

가 1 cm

가

2 cm

가 1 cm

(30).

가 가 .

가 5 (pseudopedicle)
(30). 가

가 1 2 mm

가

가 , 가
1/3 . 가

3 .

(33).

가 가 ,
가 가 (34),

가 가
가

가

(31).

가

3.

(Peicemeal Polypectomy)

가

가

가 1.5 cm

2.0 2.5 cm

가 가

가

30~40 mm

가

(30).

가

(32).

가

가

6 8

2. (Hot Biopsy)

5 mm

가

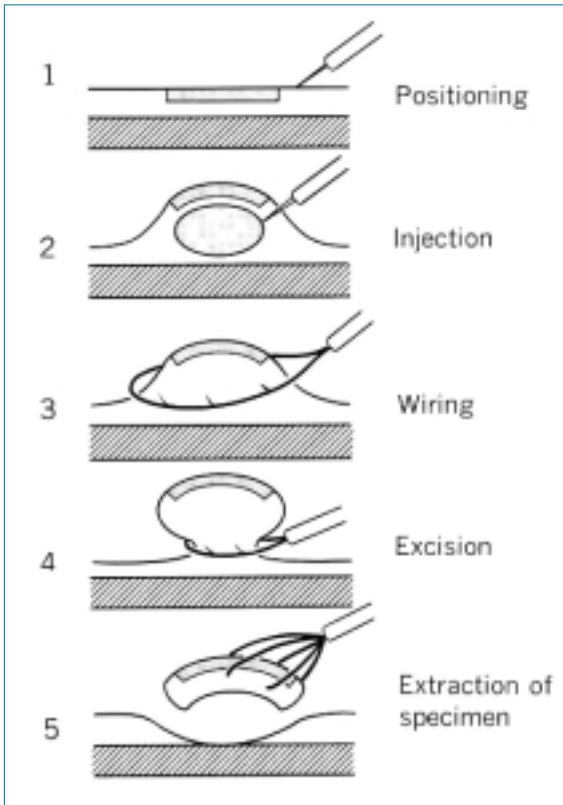
가

가

가

가

가



2.

4.

(Endoscopic Mucosal Resection ; EMR)

가
indigo carmine

(35)(2).
가
(36).

가
2~4 ml

2 mm 가
(37).
(non - lifting sign)(38)
가 가
가 2~3 mm 가
(39) 가 가
가 가
가 가 가 가
가 가

1~2 가 가

가 가
가

가 가 3 cm
가 가 (40).

, sm2

. 1993

가
3
sm1, 가

sm3,
sm2 . sm1 1.

가 sm2
가
가
가
가

(44).

가 1 cm

가
가

가가

가

(41).

2 cm

가가

10%

(42)

2 cm

(45). Nivatvonongs

Goldburg (46)

(muscularis mucosa) 가
가

(43)

2.

sm1

가

(47)

가 1 cm

가 1 cm
2 cm
sm2, sm3

2 cm

40 ~ 50%

(48, 49)

20 ~ 50%

(50, 51)

V

Committee of American College of

non - lifting sign

Gastro - enterology

(52)

sm2, 3

(53)

1

1 cm

3.

2 cm

3 ~ 6

1 cm

가

3 cm

(3)

가 가

3

가

가 2 cm

6

가

· Ⓢ

가 가

가

가 (,)

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