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Clinical Analysis of Small Bowel Tumor

Gi Young Sung, MD., Byoung Hoon Kang, MD., Do Sang Lee, MD., Wook Kim, MD., Il Young Park, MD. and Jong Man Won, MD.

Purpose: Primary tumor of the small bowel is uncommon but as its clinical features are non-specific and diagnosis is difficult, treatment is delayed in many cases and its prognosis is poor. The aim of this study was to investigate the clinical features of small bowel tumor.

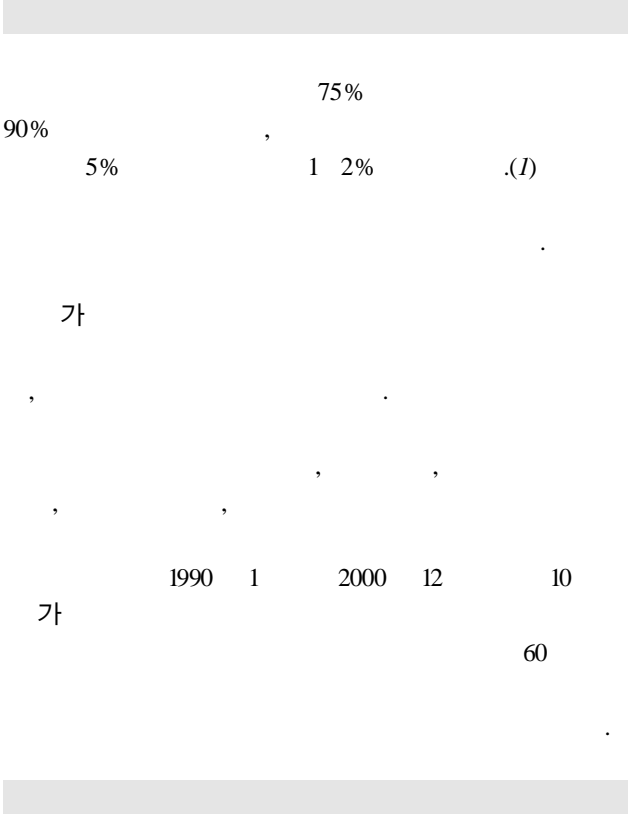
Methods: We reviewed 60 patients with primary small bowel tumor who underwent operation from January, 1990 to December, 2000. We retrospectively analyzed the following factors; age, sex, anatomical distribution and histologic features, symptoms and signs, diagnostic method, operation and its complications, morbidity and mortality.

Results: The primary sites of benign tumor were the duodenum in 6 cases, jejunum in 6 and ileum in 3. The primary sites of malignant tumor were duodenum in 16 cases, jejunum in 17 and ileum in 12. Leiomyoma was the most common benign tumor and leiomyosarcoma was the most common malignant tumor. The most common symptom and sign were abdominal and palpable mass and anemia. In cases of malignant tumor, curative resection was performed in 30 cases (66.7%), palliative resection in 13 (28.9%) and bypass procedure in 2 (4.4%). In cases of benign tumor, the type of surgery were excision (6 cases), segmental resection (8) and right hemicolectomy (1).

Conclusion: Because the clinical features of primary tumor of the small bowel are obscure and its diagnosis is difficult, it is important to maintain a high degree of suspicion and recognition for possibility of primary small bowel tumor. (J Korean Surg Soc 2002;63:312-316)

Key Word: Primary tumor of the small bowel

Department of Surgery, College of Medicine, The Catholic University of Korea, Seoul, Korea



Ⓢ 420-717, 가 가
 Tel: 032-340-7021, Fax: 032-340-2668
 E-mail: parkiy5@unitel.co.kr
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. SPSS package Kaplan-

Table 4. Operation method

	Benign	Malignant
Excision	6	0
Small bowel segmental resection	8	20
PPPD or Whipple's operation	0	13
Biloth II subtotal gastrectomy	0	1
Right hemicolectomy	1	4
SBSR* & combined resection	0	5
Bypass operation	0	2
	15	45

*SBSR = small bowel segmental resection.

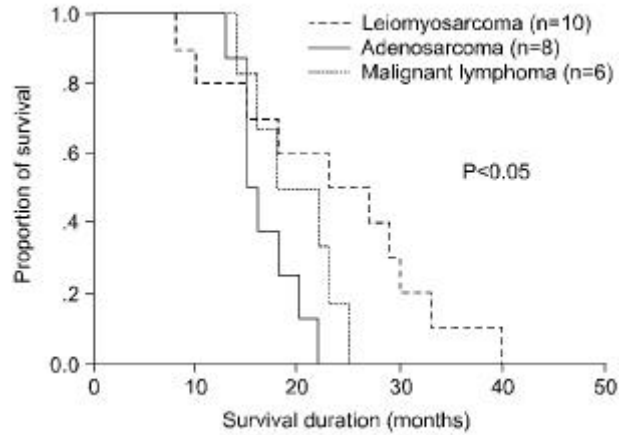


Fig. 1. Survival curve of malignant small bowel tumor.

가 24 가 .
 가 3
 4 , ,
 , .
 6)
 60
 6 (9%), 28 (46%), 13
 (21.5%), Biloth II 1 (1.5%),
 5 (7%), 5 (8%), 2
 (7%)가 13
 (Table 4).
 10
 2
 23 6 , 12 5
 , ,
 1 가
 7)
 45 27 (60%) 가
 3 . 3 24 20.2
 . 13
 2
 7 29 .
 23.3 , 19.7 , 16.8
 가 가 (Fig. 1).

3/4 ,
 4,500 m²가
 1 2% .(2)
 Morson Dawson(3)
 5% , Hancock (4)
 5%가
 Crohn
 가 ,(5) 가
 가
 , benzpyrine hydrolase가
 , IgA 가
 , 가
 ,(2,5-7)
 가 50 60
 .(8) (9)
 50 60 60%가
 50 60 62 .
 , , 30%
 가
 19% 14% ,(5,10,11)
 가
 가
 .(12)

가

8 (54%) 가

23 (51%) 가 .(22)

Braasch Denbow(13) 가 50% 가 .(23)

40%가

가 14 8 가 가

Wilson (5) 가

20%

0.2%

(14) (66.7%) 가 30

23 13 가 10%

Peyer's patches가

(15) 10 7 가

(14,16) (10,22) ,가

(17)

가 5

40 90% , 20 36% 가

(5,18) (8,24,25) Miles (8) 73%

가 가 29%,

27%, 15% 가 가 (26)

23%, 57%, 60% 2

(27) 24.50 ,

21.00 , 20.73

48 (80%) 가 가

14 10 가 가

17 2 ,

13 , 2

50 70% 가 16.8

(18,19)

가 가 가 ,

(hypotonic duodenography) 가 가 가

가 가 가

가 15 가 ,

가 가 가

(20,21) 가 가 가

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