

TNM

8,9,11

가

2)

3)

Kaplan-Meier

p 0.05

Windows-SPSS release

7.5

1.

1991 1 1 1996 12 31

가 가 250

(ductal adenocarcinoma)

1.

250 168 82

2.05:1 31-85 60.4

60 가 85 (34.0%) 가 50 70
(28%), 70 48 (19.2%) (Table 1).

1-7 cm 3.3 cm

1 10 (4%), 2 41 (16.4%), 3 71 (28.4%),
4 128 (51.2%) 가

1 16%

5 4% 가 (Fig. 1).

2.

가

31 (12.4%),

33 (13.2%),

Table 1. Age and Sex Distribution in Patients with Pancreatic Cancer

| Age (yr) | Male | Female | Total(%) |
|----------|------|--------|-----------|
| 30-39 | 4 | 3 | 7 (2.8) |
| 40-49 | 22 | 14 | 36 (14.4) |
| 50-59 | 51 | 19 | 70 (28.0) |
| 60-69 | 63 | 22 | 85 (34.0) |
| 70-79 | 26 | 22 | 48 (19.2) |
| 80-89 | 2 | 2 | 4 (1.6) |
| Total | 168 | 82 | 250 (100) |

2.

1)

() ,

가 186 (74.4%) .
 가 68 (36.5%),
 가 13 (7.0%),

가 13 (7.0%) ,
 가 92 (49.5%) .
 57.3 57.4 61.4
 (p<0.05)(Table 2).

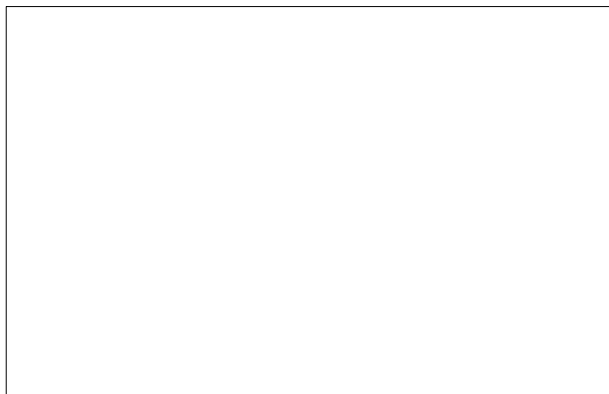


Fig. 1. Overall survival in patients with pancreatic cancer. One year survival rate and 5 year survival rate of the total 250 patients were 16% and 4%, respectively.

1 3 ,
 2 3 , 4 가 가
 (Table 2).
 1 58%,
 27%, 7% ,
 5 12% .
 14 , 9 ,
 3 가 (p<0.01)
 (Fig. 2).
 3.

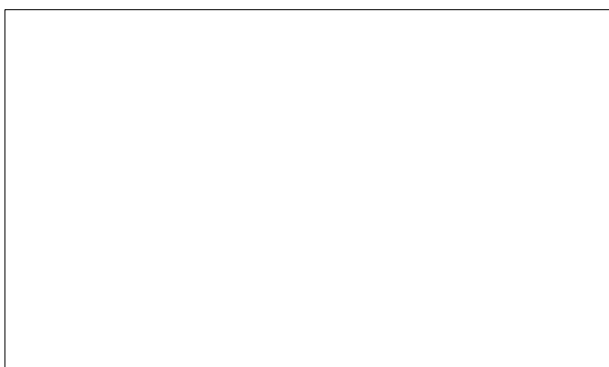


Fig. 2. Kaplan-Meier survival analysis of patients according to the treatment modality. Median survival time of the patients with curative resection was 14 months, non-curative resection 9 months, and conservative treatment 3 months. So there was significant differences among the groups (curative resection vs. non-curative resection vs. conservative care, respectively).

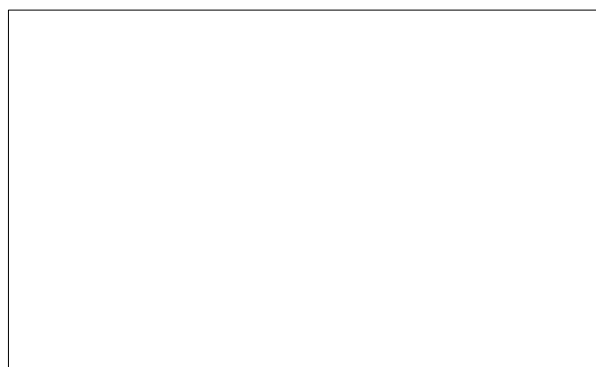


Fig. 3. Kaplan-Meier survival analysis of the effect on survival according to the age in patients with curative resection of pancreatic cancer. Younger patients show longer median survival time than older patient significantly.

Table 2. Characteristics among Groups according to the Treatment Modality.

| Variables | Curative resection | Non-curative resection | Conservative treatment* | Total |
|---------------|--------------------------|------------------------|-------------------------|-------------|
| No. of cases | 31 (12.4%) | 33 (13.2%) | 186 (74.4%) | 250 |
| Mean age (yr) | 57.3 ± 15.3 [†] | 57.7 ± 12.5 | 61.4 ± 13.2 | 60.4 ± 16.2 |
| Sex (M:F) | 17:14 | 23:10 | 128:58 | 168:82 |
| Stage I | | | | 10 |
| Stage II | 10 | | 24 [‡] | 41 |
| Stage III | 4 | 13 | 34 [‡] | 71 |
| Stage IV | 17 | 20 | 128 [‡] | 128 |

Age is expressed as mean ± SD.

*Chemotherapy, 68 cases; radiotherapy, 13 cases; chemo & radiotherapy, 13 cases; no treatment, 92 cases.

[†] p < 0.05.

[‡] staging by CT scan.

Table 3. Factors Influencing Survival after Curative Resection of Pancreatic Cancer

| | Variables | No. of cases | Median survivals (mo) | P value |
|--------------|-------------------|--------------|-----------------------|---------|
| Age | < 60/ 60 | 18/ 13 | 22/ 10 | 0.026 |
| Sex | M/F | 17/ 14 | 13/22 | 0.175 |
| T-Bil | <2mg/dL/2mg/dL | 14/ 17 | 13/ 15 | 0.405 |
| CEA | <5ng/mL/5ng/mL | 11/5 | 13/21 | 0.598 |
| CA 19-9 | <37U/mL/37U/mL | 9/ 15 | 14/8 | 0.647 |
| Location | head/ body, tail | 25/6 | 14/24 | 0.172 |
| Mass size | 2cm/ > 2cm | 9/22 | 21/ 14 | 0.203 |
| LN | negative/positive | 14/ 17 | 24/ 10 | 0.014 |
| Stage | I/II/III | 10/4/ 17 | 44/ 13/ 10 | 0.019 |
| Adjuvant tx* | yes/no | 11/20 | 22/ 14 | 0.689 |

* radiotherapy, 3 cases; chemotherapy, 3 cases; radiotherapy+chemotherapy, 5 cases.

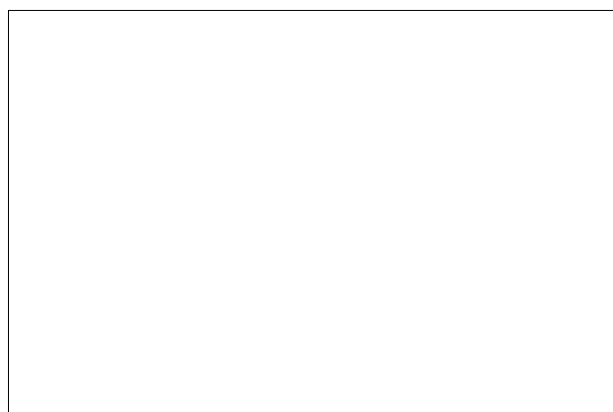


Fig. 4. Kaplan-Meier survival analysis of the effect on survival according to the lymph node involvement in patients with curative resection of pancreatic cancer. The patients without LN involvement show longer median survival time than those with LN metastasis significantly.

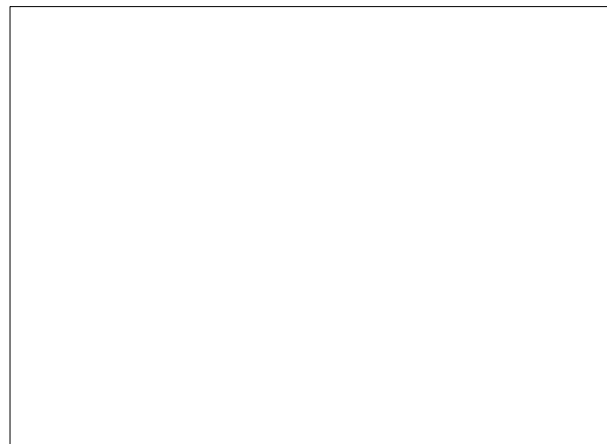


Fig. 5. Comparison of median survival time according to the stages in patients with curative resection of pancreatic cancer. There was significant difference among groups (stage 1 vs. 2 and 3, respectively)

CEA, CA 19-9, (Table 3). Kaplan-Meier (p=0.026)(Fig. 3), (p=0.014)(Fig. 4). (p=0.019)(Fig. 5).

4. 1 10 4 (40%) 16 80 . 3 , 1 , 2 , 1 가 , 2 . 3 17 1 , 1 15 . 31 6

가 24.25

가 (randomization) 가

가

가

2 unit 가 가

가 가 8,9,20

가 41,42

가

가

가

가

가

549 393 (72%) 5,26-34

34% 35% 96.1% 23%

가

78 , 56 (71.8%) 88

가 10-30% 5

48 (61.5%) 97% 35

31

25 (80.6%) 가

가

250

가

가 28,36

가

가 37,38

가

가 39

가 40

가 (12.4%) 가 14 , 9 ,

3 가

5 4%

5 12%

250 31

1991 1996

31 25
 10
 69% 가
 (61%), (54%) :

가

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