

## **Table 1. The WHO Histological Classification of Thymoma**

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### Subtypes

|        |  |
|--------|--|
| A      | Spindle cell : medullary   |
| AB     | Mixed  |
| B1     | Lymphocyte-rich, lymphocytic predominantly cortical : organoid   |
| B2     | Cortical   |
| B3     | Epithelial: atypical : squamoid : well-differentiated thymic carcinoma                                   |
| Others | Micronodular thymoma, Metaplastic thymoma, Microscopic thymoma, Sclerosing thymoma, and Lipofibroadenoma |

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## **Table 2. The Masaoka Staging System**

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|           |  |
|-----------|--|
| Stage I   | Macroscopically completely encapsulated and microscopically no capsular invasion.        |
| Stage II  | Macroscopic or microscopic invasion into surrounding fatty tissue or mediastinal pleura. |
| Stage III | Macroscopic invasion into neighboring organ ,<br>i.e.pericardium,great vessels,or lung.  |
| Stage IVa | Pleural or pericardial dissemination.  |
| IVb       | Lymphatic or hematogeneous metastases.   |

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**Table 3. Patients' Characteristics in the Limited Thymectomy Group**

| Patient no. | Age (years) | Gender | Maximal size (cm) | Masaoka stage | WHO subtype | Postoperative radiotehrapy | Postoperative myathenia gravis | Recurrence | Follow-up interval (months) |
|-------------|-------------|--------|-------------------|---------------|-------------|----------------------------|--------------------------------|------------|-----------------------------|
| 1           | 42          | F      | 7.0               | I             | AB          | —                          | —                              | —          | 60                          |
| 2           | 52          | F      | 4.0               | I             | B1          | —                          | —                              | —          | 81                          |
| 3           | 35          | F      | 6.8               | I             | B2          | —                          | —                              | —          | 28                          |
| 4           | 30          | F      | 11.5              | I             | B2          | —                          | —                              | —          | 20                          |
| 5           | 57          | F      | 6.0               | I             | B2          | —                          | —                              | —          | 105                         |
| 6           | 46          | F      | 7.0               | I             | B2          | —                          | —                              | —          | 54                          |
| 7           | 59          | F      | 3.0               | I             | B2          | —                          | —                              | —          | 88                          |
| 8           | 71          | M      | 4.0               | I             | B2          | —                          | —                              | —          | 152                         |
| 9           | 60          | M      | 6.3               | II            | A           | Yes                        | —                              | —          | 70                          |
| 10          | 65          | M      | 7.5               | II            | B1          | —                          | —                              | —          | 76                          |
| 11          | 56          | F      | 7.0               | II            | B1          | Yes                        | —                              | —          | 211                         |
| 12          | 57          | M      | 7.5               | II            | B1          | Yes                        | —                              | —          | 205                         |
| 13          | 62          | F      | 7.0               | II            | B2          | —                          | —                              | —          | 76                          |
| 14          | 70          | M      | 6.0               | II            | B2          | —                          | Yes                            | —          | 136                         |
| 15          | 70          | M      | 6.3               | II            | B2          | —                          | —                              | —          | 93                          |
| 16          | 72          | M      | 4.2               | II            | B2          | Yes                        | —                              | —          | 141                         |
| 17          | 46          | F      | 2.5               | II            | B3          | Yes                        | —                              | —          | 78                          |
| 18          | 64          | F      | 3.5               | II            | B3          | —                          | —                              | Yes        | 201                         |

WHO subtype ; World Health Organization histologic classification subtypes

Maximal size ; maximal diamer of tumor in resected materials, M ; male, F ; female, TR ; tumor resection,

**Table 4. Comparison of Patients Profile Between Limited and Total Thymectomy**

|  | Limited Thymectomy Group | Total Thymectomy Group   | <i>p</i> value  |
|--|--------------------------|--------------------------|-----------------|
| Total  | 18                       | 61                       | —               |
| Gender (Male / Female)   | 6 / 12                   | 29 / 32                  | NS              |
| Age (yers)   | 54.7 ± 12.4              | 56.2 ± 13.1              | NS              |
| Maximal size of tumor (cm)                                     | 6.1 ± 2.1                | 5.0 ± 2.9                | NS              |
| Preoperative MG  | 1                        | 27                       | <i>p</i> < 0.01 |
| Masaoka staging I / II   | 8 / 10                   | 17 / 44                  | NS              |
| WHO subtypes<br>type A / AB / B1 / B2 / B3 / others or unknown | 1 / 1 / 4 / 10 / 2 / 0   | 5 / 15 / 12 / 19 / 9 / 3 | NS              |
| Postoperative radiotherapy                                     |                          |                          |                 |
| Number of patients (%)   | 5 (27.8)                 | 19 (31.1)                | NS              |
| Total dose (Gy)  | 48.7 ± 2.5               | 48.1 ± 2.8               | NS              |
| Follow-up interval (months)                                    | 104.2 ± 58.1             | 67.3 ± 54.8              | <i>p</i> < 0.05 |

Data are shown as mean ± SD, NS ; not significant, MG ; myasthenia gravis

**Table 5. Comparison of Surgical Outcome  
between Limited and Total Thymectomy Group**

|   | Limited Thymectomy Group | Total Thymectomy Group | <i>p</i> value |
|---|--------------------------|------------------------|----------------|
| Number of patients                        | 18                       | 61                     | —              |
| Postoperative MG                          | 1                        | 0                      | 0.16           |
| Multiple lesion                           | 0                        | 2                      | 0.47           |
| Death case                                | 0                        | 3                      | —              |
| Recurrence case (95% CI)                  | 1 (0.291 - 29.4)         | 0 ( 0.00 - 7.38)       | 0.064          |
| Overall 10-yr survival rate (95% CI)      | 100 (100 - 100)          | 82.0 (62.9 - 100)      | 0.17           |
| Disease free 10-yr survival rate (95% CI) | 85.7 (59.8 - 100)        | 82.0 (62.9 - 100)      | 0.64           |

MG ; myasthenia gravis, CI ; confidence interval

**Table 6. Recurrent Case depending on the Operation Methods and Postoperative Radiotherapy**

| Group              | Recurrence / n |            | Overall |
|--------------------|----------------|------------|---------|
|                    | PostRT (+)     | PostRT (-) |         |
| Limited Thymectomy | 0 / 6          | 1 / 12     | 1 / 18  |
| Total Thymectomy   | 0 / 18         | 0 / 43     | 0 / 61  |
| Overall            | 0 / 24         | 1 / 55     | 1 / 79  |

n ; numbers of case in the corresponding criteria, PostRT ; postoperative radiotherap