# Tables

## Table 1: T Categories and Descriptors

|  |  |
| --- | --- |
| **T** | **Descriptors** |
| T1 | A tumor that either is limited to the thymus with or without encapsulation, directly invades into the mediastinum only, or directly invades the mediastinal pleura but does not involve any other mediastinal structure. |
|  | For further testing T1 is subdivided into T1a (no mediastinal pleural involvement) and T1b (direct invasion of the mediastinal pleura) |
|  | *(Level 1 structures – thymus, anterior mediastinal fat, mediastinal pleura)* |
| T2 | A tumor with direct invasion of the pericardium (either partial or full thickness) |
|  | *(Level 2 structures – pericardium)* |
| T3 | A tumor with direct invasion into any of the following: lung, brachiocephalic vein, superior vena cava (SVC), phrenic nerve, chest wall or extrapericardial pulmonary artery or veins |
|  | *(Level 3 structures – lung, brachiocephalic vein, SVC, phrenic nerve, chest wall, hilar pulmonary vessels)* |
| T4 | A tumor with invasion into any of the following: aorta (ascending, arch or descending), arch vessels, intrapericardial pulmonary artery, myocardium, trachea, esophagus |
|  | *(Level 4 structures – aorta (ascending, arch or descending), arch vessels, intrapericardial pulmonary artery, myocardium, trachea, esophagus)* |

T categories are defined by “levels” of invasion; they reflect the highest degree of invasion regardless of how many

other (lower level) structures are invaded.

***Table 2: Total Proportion of Recurrences or Deaths***

|  |  |  |
| --- | --- | --- |
|  | **Recurrences** | **Deaths** |
| **T Category** | **%** | **n** | **%** | **n** |
| **T1** | **5** | **192/3659** | **7** | **363/5134** |
| T1a |  5 | 168/3383 |  7 | 329/4815 |
| T1b |  9 | 24/276 |  11 | 34/319 |
| **T2** | **18** | **22/124** | **16** | **30/187** |
| **T3** | **31** | **142/455** | **19** | **108/588** |
| T3 single |  25 | 59/240 | 19 | 65/335 |
| T3 multiple | 39 | 83/215 | 17 | 43/253 |
| **T4** | **39** | **55/1047/18** | **22** | **5/23** |
| **Total** | **10** | **363/4256** | **9** | **506/5932** |

This table depicts the total number of recurrences or deaths observed at any time out of the total number of evaluable R0 resected patients in each category.

***Table 3: Differences between T Categories***

Hazard ratios and statistical differences (chi2) by Cox proportional hazards regression models, adjusted by diagnosis.

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | CIR, R0 | OS, R0 | OS, any R |
| (363/4256)a | (506/5932)a | (624/6561)a |
| HR | p | HR | p | HR | p |
| HR vs. adjacent T category |  |  |  |  |
| T2 vs. T1 | 3.10 | <0.0001 | 2.05 | 0.0002 | 2.30 | <0.0001 |
| T3 vs. T2 | 1.67 | 0.025 | 1.03 | NS | 1.00 | NS |
| T4 vs. T3 | 1.30 | NS | 1.00 | NS | 0.94 | NS |

a number of events/total number of patients in entire dataset for the particular analysis

CIR, cumulative incidence of recurrence; HR, hazard ratio; NS, not significant (p values are given if < 0.1); OS, overall survival; R0, complete resection

## Table e1: Numbers of Patients Available for Analysis of the T Component

|  |  |  |
| --- | --- | --- |
| T | Level and Details | Number of patients |
| T1 | Level 1: Localized to thymus (± encapsulated) and perithymic tissues Encapsulated (M/MK Stage I) Involvement of anterior mediastinal fat (M/MK Stage II) Involvement of mediastinal pleura | 5487 2777  2358 352 |
| T2 | Level 2: Pericardium | 239 |
| T3 | Level 3: Lung, Brachiocephalic Vein, SVC, Chest Wall, Phrenic Nerve Single Level 3 structure Single Level 3 structure + Level 2 Multiple Level 3 structures ± Level 2 | 778 296 125 357 |
| T4 | Level 4: Aorta, Pulmonary Artery, Myocardium, Brachiocephalic Artery Single Level 4 structure Single Level 4 structure + Level 2 Single Level 4 structure + Level 3 structure(s) ± Level 2 Multiple Level 4 structures ± Level 2 or 3 structure(s) | 57 8 5 30 14 |
|  | Masoaka/Masaoka-Koga Stage III, involved structures not specified  | 542 |

Number of patients available for Overall Survival analysis, any R status (R0, R1, R2, Rx)

M/MK, Masaoka or Masaoka-Koga stage classification; SVC, Superior Vena Cava;

## Table e2: Total Proportion of Recurrences or Deaths by Tumor Type

|  |  |  |
| --- | --- | --- |
|  | **Recurrences** | **Deaths** |
| **T Category** | **%** | **n** | **%** | **n** |
| **Thymoma** |  |  |  |
| T1 | 5 | 158/3494 | 7 | 328/4890 |
| T2 | 15 | 15/103 | 15 | 22/147 |
| T3 | 25 | 89/350 | 15 | 68/447 |
| T4 | 36 | 5/14 | 13 | 2/16 |
| **Thymic Carcinoma** |  |  |  |
| T1 | 19 | 26/139 | 15 | 30/197 |
| T2 | 33 | 6/18 | 19 | 7/36 |
| T3 | 47 | 45/95 | 30 | 38/126 |
| T4 | 50 | 2/4 | 43 | 3/7 |

This table depicts the total number of recurrences or deaths observed at any time out of the total number of evaluable R0 resected patients in each category.