|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **SEMINOMA** | | | | | **NONSEMINOMA** | | |
|  | **Relapse group** | | | | | **Relapse group** | | |
| **Characteristics** | **ER** | | | **LR(+VLR)** |  | **ER** | **LR (+VLR)** |  |
| **Age, years, median**  **(IQR)** | 37  (31-44) | | | 35  (31-45) |  | 29  (25-36) | 32  (28-38) |  |
| **Tumour size, median, cm\* (IQR)** | 4.0  (3.0-5.5) | | | 3.5  (2.0-5.5) |  | 3.0  (2.0-5.0) | 3.0  (2.5-5.0) |  |
| **Vascular invasion**  **Yes (%)**  **No (%)**  **Missing (%)** | 54 (19)  127 (44)  107 (37) | | | 8 (10)  37 (44)  38 (42) |  | 102 (25)  156 (39)  142 (36) | 5 (25)  10 (50)  5(25) |  |
| **Invasion of rete testis**  **Yes (%)**  **No (%)**  **Missing (%)** | 121 (42)  99 (34)  68 (24) | | | 36 (43)  32 (39)  15 (18) |  | 130 (32)  148 (37)  122 (30) | 4 (20)  11 (55)  5 (25) |  |
| **Invasion of epididymis**  **Yes (%)**  **No (%)**  **Missing (%)** | 36 (13)  204 (71)  48 (17) | | | 10 (12)  63 (76)  10 (12) |  | 23 (6)  271 (68)  106 (26) | 1(5)  17 (85)  2 (10) |  |
| **hCG elevation**  **Yes (%)**  **No (%)**  **Missing (%)** | 35 (12)  240 (83)  13 (5) | | | 9 (11)  69 (83)  5 (6) |  | 159 (40)  220 (55)  21 (5) | 4 (20)  16 (80)  0 (0) |  |
| **AFP elevation**  **Yes (%)**  **No (%)**  **Missing (%)** | 0(0)  278 (97)  10 (3) | | | 0(0)  78 (94)  5 (6) |  | 199 (50)  183 (46)  18 (4) | 7 (35)  13 (65)  0 (0) |  |
| **Embryonal carcinoma**  **Yes (%)**  **No (%)** | | | - | - |  | 365 (91)  35 (9) | 20 (83)  4 (17) |  |
| **Endodermal sinus tumour**  **Yes (%)**  **No (%)** | | - | | - |  | 146 (37)  254 (63) | 6 (25)  18 (75) |  |
| **Chorionic carcinoma**  **Yes (%)**  **No (%)** | | - | | - |  | 70 (17)  330 (83) | 2 (8)  22 (92) |  |
| **Teratoma**  **Yes (%)**  **No (%)** | | - | | - |  | 206 (51)  194 (49) | 8 (33)  16 (67) |  |

Table I: Patient characteristics at time of orchiectomy.

Abbreviations: ER: early relapse, LR(+VLR): late and very late relapses, IQR: interquartile range, hCG: human chorionic gonadotropin, AFP: alpha-fetoprotein. \*Exact tumour size was available for 1688 seminoma patients and 739 nonseminoma patients.