|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sarcoma Subtype** | **Total**N = 105 | **1 =Breast Angiosarcoma**N = 54 (51.4%) | **2 =Osteosarcoma**N = 12(11.4%) | **3=Soft-Tissue Sarcoma**N = 39(37.1%) | ***P* Value** |
| **Age at RT of primary cancer****(years)** | Median(range) | 65.4 (32.2 -82.5) | 21.9 (0.67 – 55.8) | 40.4 (0.08 -79.8) | Wilcoxon p-value (W): <.0001 |
| **Age at Diagnosis of RIS (years)** | Median(range) | 75.5 (46.9 -89.6) | 45.5 (18.5 – 74) | 62.3 (19.1 – 85.3) | W: <.0001 |
| **Age at Last FU****(years)** | Median(range) | 77.7 (57.3 – 94.7) | 47 (19.4 – 75.3) | 64.8 (26.8 – 89.8) | W: <.0001 |
| **Time to RIS from primary RT (years)** | Median(range) | 8.58 (3.8 – 26.9) | 17.5 (5.2 – 29.3) | 18.5 (1.3 – 57) | W: 0.0003 |
| **Sex** | MaleFemale | 054 | 48 | 1623 | Chi-square p-value (C): <.0001 |
| **Histology** | Angiosarcoma | 54 | 0 | 2 |  |
|  | Osteosarcoma | 0 | 12 | 0 |  |
|  | UPS/MFH | 0 | 0 | 9 |  |
|  | Solitary fibrous tumor | 0 | 0 | 1 |  |
|  | Liposarcoma | 0 | 0 | 6 |  |
|  | Fibrosarcoma | 0 | 0 | 3 |  |
|  | EHE | 0 | 0 | 1 |  |
|  | Leiomyosarcoma | 0 | 0 | 3 |  |
|  | MPNST | 0 | 0 | 5 |  |
|  | P – RMS | 0 | 0 | 1 |  |
|  | PDS | 0 | 0 | 1 |  |
|  | Myxosarcoma | 0 | 0 | 1 |  |
|  | Synovial | 0 | 0 | 1 |  |
|  | NOS/Spindle cell | 0 | 0 | 5 |  |
| **Primary Tumour** | Sarcoma | 0 | 5 | 3 | C: <.0001 |
|  | Breast Cancer | 54 | 0 | 9 |  |
|  | Other | 0 | 7 | 27 |  |
| **Dose of RT Primary Tumour (Gy)** | Median(range) | N= 22/5446.3 (42.4 – 95) | N = 7/1254 (45 – 66) | N=22 / 3946.25 (15 – 78) | W: 0.11 |
| **Fractions of RT Primary Tumour** | Median(range) | N= 24/5418.5 (16 – 50) | N= 6/1230 (23 – 33) | N = 20/3923 (10 – 39) | W: 0.075 |
| **RT Site****(RIS) (same RT field primary)** | Breast | 50 | 0 | 1 | C: <.0001C: <.0001 |
|  | Head/Neck | 0 | 6 | 4 |  |
|  | L/U Ext/axilla | 0 | 1 | 10 |  |
|  | Back/Chest Wall/Spine | 4 | 3 | 8 |  |
|  | Pelvis/Abdomen/Retroperitoneum | 0 | 2 | 16 |  |
|  |  |  |  |  |  |

**Table 1. Clinico-demographic characteristics by RIS subtype**