Table 3

Patient and tumour characteristics across histology’s of cancer of unknown primary with brain metastases in the Netherlands, 2009-2018

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Cancer of Unknown Primary (CUP)** |  | **Brain Metastases** | |  |  | **Adenocarcinoma** | |  | **Carcinoma, Unknown / Poorly / Undifferentiated** | |  | **Neuroendocrine Carcinoma** | |  | **Melanoma** | |  | **Other** | |  | **Clinical Diagnosis And Unknown Histology** | |
|  | **N** | **%** | **N** | **%** |  |  | **N** | **% of Total** |  | **N** | **% of Total** |  | **N** | **% of Total** |  | **N** | **% of Total** |  | **N** | **% of Total** |  | **N** | **% of Total** |
| **Total** | **16607** | **100** | **1419** | **100** |  |  | **200** | **14.1** |  | **91** | **6.4** |  | **58** | **4.1** |  | **408** | **28.8** |  | **56** | **3.9** |  | **606** | **42.7** |
| **Time Period** |  |  |  |  |  | ***p*<0.01** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2009–2010 | 3936 | 23,7 | 318 | 22.4 |  |  | 58 | 18.2 |  | 23 | 7.2 |  | 14 | 4.4 |  | 74 | 23.3 |  | 8 | 2.5 |  | 141 | 44.3 |
| 2011–2012 | 3707 | 22,3 | 297 | 20.9 |  |  | 42 | 14.1 |  | 20 | 6.7 |  | 8 | 2.7 |  | 70 | 23.6 |  | 13 | 4.4 |  | 144 | 48.5 |
| 2013–2014 | 3160 | 19,0 | 250 | 17.6 |  |  | 40 | 16.0 |  | 18 | 7.2 |  | 12 | 4.8 |  | 69 | 27.6 |  | 12 | 4.8 |  | 99 | 39.6 |
| 2015–2016 | 2883 | 17,4 | 258 | 18.2 |  |  | 32 | 12.4 |  | 14 | 5.4 |  | 14 | 5.4 |  | 92 | 35.7 |  | 12 | 4.7 |  | 94 | 36.4 |
| 2017–2018 | 2921 | 17,6 | 296 | 20.9 |  |  | 28 | 9.5 |  | 16 | 5.4 |  | 10 | 3.4 |  | 103 | 34.8 |  | 11 | 3.7 |  | 128 | 43.2 |
| **Sex** |  |  |  |  |  | ***p*=0.01** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Male | 8431 | 50,8 | 766 | 54.0 |  |  | 99 | 12.9 |  | 55 | 7.2 |  | 38 | 5.0 |  | 276 | 36.0 |  | 35 | 4.6 |  | 263 | 34.3 |
| Female | 8176 | 49,2 | 653 | 46.0 |  |  | 100 | 15.3 |  | 36 | 5.5 |  | 20 | 3.1 |  | 132 | 20.2 |  | 21 | 3.2 |  | 343 | 52.5 |
| **Age** |  |  |  |  |  | ***p*<0.01** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <35 Years | 135 | 0,8 | 17 | 1.2 |  |  | 0 | 0.0 |  | 1 | 5.9 |  | 0 | 0.0 |  | 16 | 94.1 |  | 0 | 0.0 |  | 0 | 0.0 |
| 35–64 Years | 4127 | 24,9 | 456 | 32.1 |  |  | 91 | 20.0 |  | 40 | 8.8 |  | 21 | 4.6 |  | 215 | 47.1 |  | 21 | 4.6 |  | 68 | 14.9 |
| 65–74 Years | 4326 | 26,0 | 401 | 28.3 |  |  | 67 | 16.7 |  | 29 | 7.2 |  | 25 | 6.2 |  | 118 | 29.4 |  | 25 | 6.2 |  | 137 | 34.2 |
| ≥75 Years | 8019 | 48,3 | 545 | 38.4 |  |  | 42 | 7.7 |  | 21 | 3.9 |  | 12 | 2.2 |  | 59 | 10.8 |  | 10 | 1.8 |  | 401 | 73.6 |
| Median (Interquartile Range) | 74 Years (64-82) |  | 70 Years | (61–80) |  |  | 65 Years |  |  | 66 Years |  |  | 70 Years |  |  | 62 Years |  |  | 68.5 Years |  |  | 79 Years |  |
| **Localisation Of Brain Metastasis** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Supratentorial |  |  | 267 | 18.8 |  |  | 41 | 15.4 |  | 17 | 6.4 |  | 13 | 4.9 |  | 83 | 31.1 |  | 15 | 5.6 |  | 98 | 36.7 |
| Infratentorial |  |  | 62 | 4.4 |  |  | 22 | 35.5 |  | 8 | 12.9 |  | 6 | 9.7 |  | 8 | 12.9 |  | 4 | 6.5 |  | 14 | 22.6 |
| Multiple Sites |  |  | 750 | 52.9 |  |  | 92 | 12.3 |  | 42 | 5.6 |  | 26 | 3.5 |  | 211 | 28.1 |  | 23 | 3.1 |  | 356 | 47.5 |
| Unknown |  |  | 340 | 24.0 |  |  | 45 | 13.2 |  | 24 | 7.1 |  | 13 | 3.8 |  | 106 | 31.2 |  | 14 | 4.1 |  | 138 | 40.6 |
| **Other Metastatic Sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| None |  |  | 644 | 45.4 |  |  | 61 | 9.5 |  | 24 | 3.7 |  | 22 | 3.4 |  | 71 | 11.0 |  | 19 | 3.0 |  | 447 | 69.4 |
| Lung |  |  | 444 | 31.3 |  |  | 68 | 15.3 |  | 39 | 8.8 |  | 9 | 2.0 |  | 225 | 50.7 |  | 19 | 4.3 |  | 84 | 18.9 |
| Liver |  |  | 239 | 16.8 |  |  | 60 | 25.1 |  | 28 | 11.7 |  | 19 | 7.9 |  | 73 | 30.5 |  | 7 | 2.9 |  | 52 | 21.8 |
| (Retro)Peritoneum |  |  | 85 | 6.0 |  |  | 17 | 20.0 |  | 7 | 8.2 |  | 4 | 4.7 |  | 44 | 51.8 |  | 3 | 3.5 |  | 10 | 11.8 |
| Bone |  |  | 208 | 14.7 |  |  | 52 | 25.0 |  | 29 | 13.9 |  | 15 | 7.2 |  | 66 | 31.7 |  | 10 | 4.8 |  | 36 | 17.3 |
| Lymph Nodes |  |  | 374 | 26.4 |  |  | 77 | 20.6 |  | 29 | 7.8 |  | 17 | 4.5 |  | 177 | 47.3 |  | 22 | 5.9 |  | 52 | 13.9 |
| Other |  |  | 380 | 26.8 |  |  | 64 | 16.8 |  | 42 | 11.1 |  | 12 | 3.2 |  | 189 | 49.7 |  | 15 | 3.9 |  | 58 | 15.3 |
| **Number Of Other Metastatic Sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| None |  |  | 644 | 45.4 |  |  | 61 | 9.5 |  | 24 | 3.7 |  | 22 | 3.4 |  | 71 | 11.0 |  | 19 | 3.0 |  | 447 | 69.4 |
| 1 |  |  | 273 | 19.2 |  |  | 40 | 14.7 |  | 16 | 5.9 |  | 14 | 5.1 |  | 107 | 39.2 |  | 16 | 5.9 |  | 80 | 29.3 |
| >1 |  |  | 502 | 35.4 |  |  | 99 | 19.7 |  | 51 | 10.2 |  | 22 | 4.4 |  | 230 | 45.8 |  | 21 | 4.2 |  | 79 | 15.7 |