Supplementary Material

**Supplementary Table 1.** This Table shows MCC-specific survival (MSS) and progression-free survival (PFS) in patients with MCC. The prognosis worsens with a higher score on the Merkel cell carcinoma prognosis score (MCC-PS). According to the MCC-PS, a high-risk type of MCC is present with at least 4 points.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 0 point | 1 point | 2 points | 4 points | 5points | 10 points |
|  | low-risk type | high-risk type |
| 1-year MSS | 100 % | 76.5 % | 70.7 % | 62.0 % | 53.5 % | 33.3 % |
| 2-yearsMSS | 100 % | 64.8 % | 58.8 % | 43.1% | 34.6 % | 0 % |
| 3-yearsMSS | 100 % | 52.5 % | 44.5 % | 23.5 % | 5.8 % | 0 % |
| 4-yearsMSS | 100 % | 52.5 % | 44.5 % | 17.6 % | 5.8 % | 0 % |
| 5-yearsMSS | 100 % | 49.2 % | 40.4 % | 17.6 % | 5.8 % | 0 % |
|  |
|  | **0** **point** | **1** **point** | **2** **points** | **4** **points** | **5****points** | **10** **points** |
|  | low-risk type | high-risk type |
| 1-year PFS | 85.1 % | 57 % | 49.4 % | 38.3 % | 30.9 % | 0% |
| 2-yearsPFS | 85.1 % | 48.4 % | 39.1 % | 27.7 % | 18.5 % | 0% |
| 3-yearsPFS | 85.1 % | 42.9 % | 32.3 % | 22.2 % | 9.3 % | 0% |
| 4-yearsPFS | 85.1 % | 42.9 % | 32.3 % | 22.2 % | 9.3 % | 0% |
| 5-yearsPFS | 85.1 % | 42.9 % | 32.3 % | 22.2 % | 9.3 % | 0% |

**Supplementary Table 2.** This Table shows MCC-specific survival (MSS) and progression-free survival (PFS) in patients with MCC compared to high-risk and low-risk MCC.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Low-risk typeMCC-PS < 4 | High-risk typeMCC-PS ≥ 4 |  | Low-risk typeMCC-PS < 4 | High-risk typeMCC-PS ≥ 4 |
| 1-year MSS | 94.5% | 62 % | 1-year PFS | 79.5 % | 38.3 % |
| 2-yearsMSS | 92.1 % | 43.1 % | 2-yearsPFS | 75 % | 27.7 % |
| 3-yearsMSS | 92.1 % | 23.5 % | 3-yearsPFS | 72 % | 22.2 % |
| 4-yearsMSS | 92.1 % | 23.5 % | 4-yearsPFS | 72 % | 22.2 % |
| 5-yearsMSS | 92.1 % | 17.6 % | 5-yearsPFS | 72 % | 22.2 % |

**Supplementary Figure 1.**

Figure 1a shows the time dependent ROC curves with the state variable MCC specific death and with the different test variables at time points t=12, 36, 60 months; a) test variable: CRP ≥5.5, b) test variable: NSE ≥ 22.8, c) test variable: MELD score ≥ 11, d) test variable: age≥75.



Figure 1b shows the time dependent ROC curves with the state variable MCC relapse and with the different test variables at time points t=12, 36, 60 months; a) test variable: CRP ≥5.5, b) test variable: NSE level ≥ 22.8, c) test variable: MELD score ≥ 11, d) test variable: age≥75.

