**Supplementary Table S1.** Comparison of categorical variables for conjunctival and uveal melanoma patients was calculated by Fisher’s exact test

| Characteristic | No. of cases (%) | p-value |
|---------------|------------------|---------|
|               | Conjunctival     | Uveal   |         |
| **Age (n=31)**|                  |         | >.99    |
| ≤40            | 1 (8.3)          | 2 (10.5)|         |
| >40            | 11 (91.7)        | 17 (89.5)|        |
| **Gender (n=31)**|                |         | .710    |
| Male           | 6 (50.0)         | 7 (36.8)|         |
| Female         | 6 (50.0)         | 12 (63.2)|        |
| **Mitotic count (n=31)** | |         | .660    |
| ≤1             | 3 (25.0)         | 12 (63.2)|         |
| >1             | 9 (75.0)         | 7 (36.8) |         |
| **Necrosis (n=30)** |            |         | .284    |
| Absent         | 8 (66.7)         | 8 (44.4)|         |
| Present        | 4 (33.3)         | 10 (55.6)|        |
| **Pigmentation (n=31)** | |         | .660    |
| Low            | 9 (75.0)         | 7 (36.8)|         |
| High           | 3 (25.0)         | 12 (63.2)|        |
| **Cell type (n=31)** |            |         | .697    |
| Epithelioid    | 9 (75.0)         | 12 (63.2)|         |
| Non-epithelioid| 3 (25.0)         | 7 (36.8) |         |
| **TIL (n=30)** |                  |         | .135    |
| Absent         | 4 (33.3)         | 12 (66.7)|         |
| Present        | 8 (66.7)         | 6 (33.3) |         |
| **Surgical margin (n=30)** | |         | .141    |
| Negative       | 9 (75.0)         | 8 (44.4%)|         |
| Positive       | 3 (25.0)         | 10 (55.6%)|        |
| **pT (n=31)**  |                  |         | .019    |
| pT1            | 5 (41.7)         | 1 (5.3)|         |
| pT2            | 3 (25.0)         | 4 (21.1)|         |
| pT3            | 4 (33.3)         | 7 (36.8)|         |
| pT4            | 0                | 7 (36.8)|         |