

Supplementary Table 4. Clinical data with baseline characteristics of NPC patients

| Patient ID | Gender | Age | Histology | Pathological Grad | Pathologica | Ki-67 | EBER |
|------------|--------|-----|--|-------------------|-------------|--------|------|
| 001 | Female | 43 | Non-keratinous carcinoma, Undifferentiated type | T3N1MX | III | 60% | + |
| 002 | Female | 51 | Low-differentiated squamous cell carcinoma, non-keratinous type | T4N1M0 | IV | 25% | + |
| 003 | Male | 55 | Non-keratinous carcinoma, Undifferentiated type | T4N1M0 | IV | 40% | + |
| 004 | Male | 47 | Non-keratinous carcinoma, Undifferentiated type | T3N3M1 | IV | 30% | + |
| 005 | Male | 41 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | \ | \ |
| 006 | Female | 24 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | 70-80% | \ |
| 007 | Male | 47 | Non-keratinized squamous cell carcinoma, Undifferentiated type | T4N2M0 | IV | 80% | + |
| 008 | Male | 74 | Non-keratinous carcinoma, Undifferentiated type | T3N1M0 | III | ≥80% | + |
| 009 | Male | 64 | Non-keratinous carcinoma, Undifferentiated type | T4N2M0 | IVa | \ | + |
| 010 | Male | 58 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IVa | 60% | + |
| 011 | Female | 49 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 70% | + |
| 012 | Male | 35 | Non-keratinized squamous cell carcinoma, Undifferentiated type | T3N2M0 | III | 70% | + |
| 013 | Male | 67 | Non-keratinized squamous cell carcinoma, Low-Undifferentiated type | T3N2M0 | III | 60% | + |
| 014 | Male | 51 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 50% | + |
| 015 | Male | 36 | Non-keratinous carcinoma, Undifferentiated type | T3N3MX | IV | >60% | + |
| 016 | Male | 37 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 50% | + |
| 017 | Male | 59 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | 40% | + |
| 018 | Male | 48 | Non-keratinous carcinoma, Undifferentiated type | T3N1M0 | III | \ | + |
| 019 | Male | 55 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 70% | + |
| 020 | Male | 56 | Non-keratinous carcinoma, Undifferentiated type | T2N3M0 | IVa | 60% | + |
| 021 | Female | 34 | Non-keratinous carcinoma, Undifferentiated type | T2N3M0 | IVa | 80% | + |
| 022 | Female | 75 | Non-keratinous carcinoma, Undifferentiated type | T2N3M0 | IVa | 60% | \ |

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|-----|--------|----|--|--------|-----|--------|---|
| 023 | Female | 43 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 70% | \ |
| 024 | Male | 53 | Non-keratinous carcinoma, Undifferentiated type | T4N3M0 | IVa | 70% | + |
| 025 | Male | 49 | Non-keratinous carcinoma, Undifferentiated type | T1N1M0 | II | 50% | + |
| 026 | Female | 39 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IV | 50% | + |
| 027 | Male | 53 | Non-keratinous carcinoma, Undifferentiated type | T4N1M0 | IVa | 30% | + |
| 028 | Male | 45 | Non-keratinous carcinoma, Undifferentiated type | T1N3M0 | IVa | >50% | \ |
| 029 | Male | 53 | Non-keratinous carcinoma, differentiated type | T3N3M0 | IVa | 30% | + |
| 030 | Female | 71 | Non-keratinous carcinoma, differentiated type | T2N2M0 | III | 50% | + |
| 031 | Male | 31 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 80% | + |
| 032 | Female | 56 | Non-keratinous carcinoma, Undifferentiated type | T4N2M0 | IVa | 60% | + |
| 033 | Female | 48 | Differentiated carcinoma | T3N3M0 | IVa | 60% | + |
| 034 | Female | 59 | Non-keratinized squamous cell carcinoma, Undifferentiated type | T1N3M0 | IVa | 60% | + |
| 035 | Male | 58 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | ≥60% | + |
| 036 | Female | 58 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IVa | 40% | + |
| 037 | Male | 53 | Non-keratinous carcinoma, Undifferentiated type | T3N0M0 | III | 40-50% | + |
| 038 | Female | 57 | Non-keratinous carcinoma, Low-differentiated type | T1N1M0 | II | \ | + |
| 039 | Male | 54 | Non-keratinous carcinoma, Undifferentiated type | T1N1M0 | II | 90% | + |
| 040 | Male | 18 | Non-keratinous carcinoma, Undifferentiated type | T3N3M1 | IVb | 90% | + |
| 041 | Female | 25 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IVa | 80% | \ |
| 042 | Male | 43 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 50% | + |
| 043 | Male | 46 | Non-keratinous carcinoma, Undifferentiated type | T4N1M0 | IVa | 40% | + |
| 044 | Female | 60 | Non-keratinous carcinoma, Undifferentiated type | T2N3M1 | IVb | 40% | + |
| 045 | Male | 49 | Non-keratinized squamous cell | T4N2M0 | IVa | \ | + |
| 046 | Female | 36 | Non-keratinous carcinoma, low-undifferentiated type | T2N2M0 | III | 50% | + |
| 047 | Male | 42 | Non-keratinous carcinoma, Undifferentiated type | T3N0Mx | III | 70% | + |

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|-----|--------|----|--|--------|-----|-----|---|
| 048 | Male | 57 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 40% | + |
| 049 | Male | 47 | Non-keratinized squamous cell carcinoma,undifferentiated type | T3N2M0 | III | 60% | \ |
| 050 | Male | 50 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 70% | + |
| 051 | Male | 50 | Non-keratinous carcinoma, Undifferentiated type | T4N2M1 | IVb | 60% | + |
| 052 | Male | 45 | Non-keratinous carcinoma, Undifferentiated type | T1N2M0 | III | 60% | + |
| 053 | Male | 48 | Non-keratinous carcinoma, low- undifferentiated type | T4N1M0 | IVa | 70% | + |
| 054 | Male | 49 | Non-keratinous carcinoma, Undifferentiated type | T2N3M0 | IVa | 30% | + |
| 055 | Male | 67 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 60% | + |
| 056 | Male | 39 | Non-keratinous carcinoma, Undifferentiated type | T4N1M0 | IVa | 80% | + |
| 057 | Male | 67 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 90% | + |
| 058 | Female | 48 | Low-differentiated carcinoma | T0N3M0 | IVa | \ | + |
| 059 | Male | 60 | Non-keratinous carcinoma, Undifferentiated type | T1N0M0 | I | 60% | + |
| 060 | Male | 41 | Non-keratinous carcinoma, low- undifferentiated type | T2N3M0 | IVa | 30% | \ |
| 061 | Male | 54 | Non-keratinous carcinoma, Undifferentiated type | T3N3M1 | IVc | 80% | + |
| 062 | Female | 39 | Low-differentiated squamous cell carcinoma | T1N3M0 | IVa | 60% | \ |
| 063 | Male | 64 | Non-keratinous carcinoma, low- undifferentiated type | T4N3M0 | IVa | 40% | + |
| 064 | Male | 47 | Non-keratinous carcinoma, Undifferentiated type | T4N2M0 | IVa | 60% | + |
| 065 | Male | 61 | Non-keratinous carcinoma, differentiated type | T3N1M0 | III | 80% | \ |
| 066 | Female | 42 | Non-keratinized squamous cell carcinoma,differentiated type | T1N0M0 | I | 80% | + |
| 067 | Male | 63 | Non-keratinous carcinoma, Undifferentiated type | T4N2M0 | IVa | 80% | + |
| 068 | Male | 55 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 80% | + |
| 069 | Female | 72 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IVa | 30% | + |
| 070 | Male | 55 | Low-differentiated squamous cell carcinoma | T1N0M0 | I | 50% | + |
| 071 | Male | 48 | Non-keratinous carcinoma, Undifferentiated type | T1N3M0 | IVa | 70% | + |

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|-----|--------|----|--|--------|------|------|---|
| 072 | Female | 46 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IV a | 70% | + |
| 073 | Male | 53 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | ≥80% | + |
| 074 | Male | 77 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IV a | 40% | + |
| 075 | Male | 38 | Non-keratinous carcinoma, Undifferentiated type | T2N3M0 | IV a | 30% | + |
| 076 | Male | 34 | Non-keratinous carcinoma, Undifferentiated type | T1N1M0 | II | 35% | + |
| 077 | Male | 37 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | 80% | + |
| 078 | Male | 59 | Non-keratinous carcinoma, Undifferentiated type | T4N3M0 | IV a | 70% | + |
| 079 | Female | 36 | Non-keratinous carcinoma, Undifferentiated type | T1N1M0 | II | 50% | + |
| 080 | Male | 56 | Non-keratinous carcinoma, Undifferentiated type | T3N1M0 | III | ≥80% | + |
| 081 | Male | 44 | Non-keratinous carcinoma, Undifferentiated type | T2N2M0 | III | 70% | + |
| 082 | Male | 52 | Non-keratinized squamous cell carcinoma,undifferentiated type | T1N1M0 | II | 30% | + |
| 083 | Male | 56 | Non-keratinized squamous cell carcinoma,low-undifferentiated type | T4N1Mx | IV | 60% | + |
| 084 | Male | 36 | Non-keratinous carcinoma, Undifferentiated type | T4N2M0 | IV a | 60% | + |
| 085 | Male | 34 | Non-keratinous carcinoma, Undifferentiated type | T1N1M0 | II | 80% | + |
| 086 | Male | 76 | Non-keratinized squamous cell carcinoma,undifferentiated type | T3N1M0 | III | 35% | + |
| 087 | Male | 72 | Non-keratinous carcinoma, Undifferentiated type | T4N2M0 | IV a | \ | + |
| 088 | Male | 35 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | 50% | + |
| 089 | Male | 39 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 60% | + |
| 090 | Female | 49 | Non-keratinized squamous cell carcinoma,undifferentiated type | T4N2M0 | IV a | 70% | + |
| 091 | Female | 59 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | III | >60% | + |
| 092 | Male | 55 | Non-keratinous carcinoma, Undifferentiated type | T3N2M0 | II | 80% | + |
| 093 | Male | 41 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 50% | + |
| 094 | Male | 62 | Non-keratinous carcinoma, Undifferentiated type | T4N1M0 | IV a | 50% | + |
| 095 | Male | 51 | Non-keratinous carcinoma, Undifferentiated type | T2N1M0 | II | 30% | + |

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|-----|--------|----|--|--------|-----|------|---|
| 096 | Male | 47 | Non-keratinous carcinoma, Undifferentiated type | T3N3M1 | IVb | 90% | + |
| 097 | Male | 42 | Non-keratinized squamous cell carcinoma,low-undifferentiated type | T1N1M0 | II | 40% | \ |
| 098 | Female | 45 | Non-keratinous carcinoma, Undifferentiated type | T4N3M0 | IVa | ≥60% | + |
| 099 | Male | 34 | Low-differentiated carcinoma | T3N2M0 | III | 70% | \ |
| 100 | Male | 67 | Non-keratinous carcinoma, Undifferentiated type | T3N3M0 | IVa | 70% | + |