**Suppl 1.** Multivariate analysis for overall survival and recurrence-free survival.

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| --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **OS** | | | **RFS** | | |
|  | **Hazard ratio** | **95% CI** | ***p*** | **Hazard ratio** | **95% CI** | ***p*** |
| Age | 1.17 | 0.82-1.66 | 0.37 | 0.86 | 0.67-1.09 | 0.22 |
| 65-69 | Reference |  |  | Reference |  |  |
| 70-74 | 1.35 | 0.99-1.82 | 0.053 | 0.91 | 0.74-1.11 | 0.36 |
| ≥75 | 1.05 | 0.73-1.50 | 0.80 | 0.81 | 0.63-1.03 | 0.08 |
| Sex (Male) | 0.77 | 0.56-1.05 | 0.10 | 1.04 | 0.84-1.31 | 0.69 |
| Hypertension | 0.96 | 0.71-1.29 | 0.79 | 0.95 | 0.78-1.15 | 0.53 |
| Heart disease | 0.81 | 0.50-1.33 | 0.41 | 0.95 | 0.70-1.29 | 0.74 |
| Diabetes | 1.52 | 1.02-2.22 | **0.04** | 1.21 | 0.97-1.52 | 0.10 |
| Type of surgery (Ablation vs. Resection) | 2.12 | 1.53-2.94 | **<0.001** | 1.63 | 1.33-2.01 | **<0.001** |
| Tumor size | 1.01 | 1.00-1.03 | **0.005** | 1.00 | 0.99-1.00 | 0.50 |
| Tumor count (multiple vs. single) | 1.12 | 0.87-1.45 | 0.35 | 1.37 | 1.16-1.61 | **<0.001** |
| Hepatitis B | 0.86 | 0.65-1.14 | 0.32 | 1.20 | 0.99-1.44 | 0.060 |
| Child‒Pugh class: B vs. A | 0.96 | 0.51-1.83 | 0.92 | 1.16 | 0.73-1.84 | 0.53 |
| Liver cirrhosis | 0.95 | 0.69-1.32 | 0.77 | 1.10 | 0.90-1.36 | 0.35 |
| Alpha-fetoprotein (10-100 vs. <10) | 1.02 | 0.71-1.47 | 0.88 | 1.30 | 1.04-1.62 | **0.024** |
| Alpha-fetoprotein (100-1000 vs. <10) | 1.67 | 1.17-2.39 | **0.004** | 1.36 | 1.07-1.73 | **0.011** |
| Alpha-fetoprotein (>1000 vs. <10) | 1.42 | 0.97-2.08 | 0.06 | 1.41 | 1.08-1.84 | **0.011** |
| ALT | 0.84 | 0.68-1.04 | 0.16 | 1.00 | 0.99-1.00 | 0.24 |
| AST | 1.00 | 1.00-1.01 | 0.44 | 1.00 | 1.00-1.01 | 0.27 |
| TBIL | 0.99 | 0.96-1.02 | 0.54 | 0.98 | 0.96-1.00 | 0.057 |
| ALB | 0.94 | 0.91-0.97 | **<0.001** | 1.00 | 0.99-1.01 | 0.88 |
| PLT | 1.00 | 0.99-1.00 | 0.77 | 0.99 | 0.99-1.00 | 0.39 |
| PT | 0.97 | 0.87-1.09 | 0.69 | 0.91 | 0.84-1.12 | 0.56 |
| INR | 0.64 | 0.12-3.31 | 0.60 | 1.43 | 0.45-4.52 | 0.54 |
| Serum creatinine | 1.00 | 0.99-1.00 | 0.26 | 1.00 | 1.00-1.00 | 0.88 |
| OS (Overall survival), RFS (Recurrence-free survival), ALT (alanine aminotransferase), AST (aspartate aminotransferase), PLT (platelet), PT (prothrombin time), INR (international normalized ratio), ALB (albumin), TBIL (total bilirubin). | | | | | | |