Table S1. Comparison between survival group, transplant group and death group at 1-month, 3-month, 6-month and 12-month follow-up.

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| --- | --- | --- | --- | --- |
| 1-month | Survival (n=86) | Transplant (n=3) | Death (n=9) |  |
|  | Mean | SD | Mean | SD | Mean | SD | P value |
| abCTP | 8.5 | 1.8 | 13.0 | 1.0 | 12.0 | 1.2 | <0.001 |
| abMELD | 11.1 | 4.5 | 23.0 | 10.1 | 22.9 | 2.8 | <0.001 |
| abMELD-abNa | 11.4 | 4.9 | 24.7 | 12.5 | 24.3 | 4.8 | <0.001 |
| abICG-PDR (%/min) | 7.4 | 3.5 | 3.3 | 1.1 | 3.7 | 0.5 | <0.001 |
| abICG-R15 (%) | 37.0 | 16.3 | 61.5 | 9.8 | 57.6 | 4.7 | <0.001 |
| abEHBF (L/min) | 0.4 | 0.2 | 0.2 | 0.03 | 0.2 | 0.1 | 0.001 |
| 3-month | Survival (n=81) | Transplant (n=3) | Death (n=14) |  |
|  | Mean | SD | Mean | SD | Mean | SD | P value |
| abCTP | 8.4 | 1.7 | 13.0 | 1.0 | 11.2 | 1.8 | <0.001 |
| abMELD | 10.7 | 3.9 | 23.0 | 10.1 | 20.8 | 6.4 | <0.001 |
| abMELD-Na | 11.0 | 4.4 | 24.7 | 12.5 | 22.0 | 6.5 | <0.001 |
| abICG-PDR (%/min) | 7.6 | 3.6 | 3.3 | 1.1 | 4.2 | 1.7 | <0.001 |
| abICG-R15 (%) | 36.2 | 16.1 | 61.5 | 9.8 | 54.8 | 10.5 | <0.001 |
| abEHBF(L/min) | 0.4 | 0.2 | 0.2 | 0.03 | 0.3 | 0.1 | <0.001 |
| 6-month | Survival (n=77) | Transplant (n=3) | Death (n=18) |  |
|  | Mean | SD | Mean | SD | Mean | SD | P value |
| abcCTP | 8.3 | 1.8 | 13.0 | 1.0 | 10.8 | 1.8 | <0.001 |
| abMELD | 10.6 | 3.8 | 23.0 | 10.1 | 19.0 | 6.8 | <0.001 |
| abMELD-Na | 10.9 | 4.3 | 24.7 | 12.5 | 20.1 | 7.2 | <0.001 |
| abICG-PDR (%/min) | 7.6 | 3.6 | 3.3 | 1.1 | 4.7 | 2.2 | <0.001 |
| abICG-R15 (%) | 36.0 | 16.2 | 61.5 | 9.8 | 51.5 | 12.8 | <0.001 |
| abEHBF (L/min) | 0.4 | 0.2 | 0.2 | 0.03 | 0.3 | 0.1 | 0.001 |
| 12-month | Survival (n=73) | Transplant (n=4) | Death (n=21) |  |
|  | Mean | SD | Mean | SD | Mean | SD | P value |
| abcCTP | 8.2 | 1.7 | 12.8 | 1.0 | 10.8 | 1.8 | <0.001 |
| abMELD | 10.5 | 3.7 | 22.0 | 8.5 | 18.0 | 6.9 | <0.001 |
| abMELD-Na | 10.7 | 4.3 | 23.2 | 10.6 | 18.9 | 7.4 | <0.001 |
| abICG-PDR (%/min) | 7.8 | 3.6 | 3.1 | 1.0 | 4.7 | 2.1 | <0.001 |
| abICG-R15 (%) | 34.9 | 15.6 | 63.1 | 8.6 | 51.7 | 12.6 | <0.001 |
| abEHBF (L/min) | 0.4 | 0.2 | 0.2 | 0.03 | 0.3 | 0.1 | <0.001 |

a=there was statistics difference between survival group and transplant group (P<0.05, Mann-Whitney U test); b =there was statistics difference between survival group and death group (P<0.05, Mann-Whitney U test); c=there was statistics difference between transplant group and death group (P<0.05, Mann-Whitney U test); CTP=Child-Turcotte-Pugh; MELD=the model for end stage liver disease; MELD-Na=MELD combined with serum sodium concentration; ICG-PDR=Plasma disappearance rate of indocyanine green; ICG-R15=the retention rate of indocyanine green 15 min after administration; EHBF= [estimated hepatic blood flow](http://dict.cn/estimated%20hepatic%20blood%20flow)