

Proper Position Of Single And Large (≥ 5 Cm) Hepatocellular Carcinoma On Barcelona Clinic Liver Cancer Stage

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Background : The purpose of this study was to evaluate proper position of single large hepatocellular carcinoma (HCC) in Barcelona Clinic Liver Cancer Stage system (BCLC).

Methods : The data was collected from the nationwide multicenter database of the Korean Liver Cancer Association. Patients with single large (≥ 5 cm) HCC was separated from BCLC A group and designated as group X. And remained BCLC Group A was renamed as Group A and BCLC Group B as Group B. Survival outcomes of propensity score-matched groups were compared.

Results : Among the 3965 randomly selected patients, Group X was 414, Group A (2787) and Group B (760). TriMatch analysis allowed us to obtain 116 well-balanced triplets. The 1-, 3- and 5-year overall survival rates in the Group X was worse than Group A (91%, 71% and 48% Vs 90%, 78% and 64%, respectively; $P < 0.000$). But it was not different compared to Group B (91%, 71% and 48% Vs 90%, 69% and 48%, respectively; $P < 0.09$). In multivariable analysis, Group X, Group B, Age over 60 years, and prothrombin time international normalized ratio and Creatinine levels were independent predictors of worse overall survival.

Conclusions : : Our findings suggest that Group X should be relocated to group BCLC B rather than BCLC A stage.

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