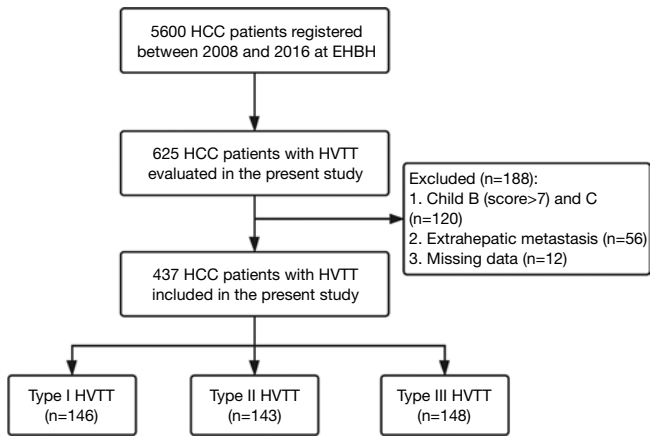**Figure S1** Flowchart of patient enrollment in the study.

Table S1 Accuracy of the HVTT classification compared with the current models for HCC with HVTT

Current criteria	Harrell's c-index	up	down	P (compared)
HVTT classification	0.724	0.683	0.765	
CLIP score	0.554	0.522	0.586	<0.001
TNM stage	0.626	0.600	0.652	0.015
JIS score	0.576	0.553	0.599	<0.001
CUPI score	0.517	0.492	0.541	<0.001
Vv classification	0.615	0.586	0.644	0.009

HVTT, hepatic vein tumor thrombus; CLIP, Cancer of the Liver Italian Program score; JIS, Japanese Integrated Scoring; CUPI, Chinese University Prognostic Index.