A total of 226 HCC patients

137 patients with HBsAg(+) and HCV-Ab(-)

77 patients with HBsAg(-) and HCV-Ab(-)

A total of 107 patients enrolled and assigned to HBV-HCC group.

Exclude due to:

* Additional cancer(n=2)
* Incomplete data (n=28)

Exclude due to:

* Additional cancer(n=1)
* Incomplete data (n=8)

A total of 68 patients enrolled and assigned to NBNC-HCC group.

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12 patients with HCV-Ab (+) and excluded