

FIG 1. Approach to systemic therapy in advanced HCC. ^aPatients should be enrolled a Spirite Verials whenever feasible. ^bRisk of varicear bleeding high if untreated or incompletely treated varices on esophosocastroid be proscopy within 6 months of treatment initiation. ^cNot in the food and Drug Administration in the light of a displayed in eligible patients. AFP, alphacurrently approved for first-line use by the Food and Drug Administration of a teconic processing by the Food and Drug Administration of a teconic process o

association with mortality than extrahepatic spread or performance status in untreated patients with HCC.33

The more recent CheckMate 9DW trial evaluated ipilimumab/ nivolumab against lenvatinib or sorafenib as first-line systemic therapy for patients with unresectable HCC.34 At a median follow-up of 35.2 months, the median OS was 23.7 months and 20.6 months, and objective response rate was 36% and 13% with the doublet ICI combination and lenvatinib/sorafenib groups, respectively. This combination is not currently FDA-approved.

Patients with CPS-B/C cirrhosis and/or Eastern Cooperative Oncology Group score 2 have traditionally been excluded from prospective clinical trials of systemic therapies for non-LRTeligible HCC. However, sorafenib, atezolizumab/bevacizumab, and single-agent nivolumab have been shown in observational studies to have similar tolerability in patients with CPS-B7 to B9 cirrhosis but inferior OS when compared with patients with CPS-A cirrhosis. These benefits are modest, and treatment decisions should be made on a case-by-case basis, taking into account whether a patient's liver dysfunction is related to their tumor burden versus underlying cirrhosis.35-38

Other key trials evaluating first-line systemic therapy include LEAP 002,39 ORIENT-32,40 CARES-310,41 RATIO-NALE-301,42 and COSMIC-312.43 LEAP 002 evaluated the superiority of pembrolizumab and lenvatinib against sorafenib in the first-line setting and did not meet its dual primary end points of progression-free survival (PFS) and OS.39 ORIENT-32 evaluated sintilimab (anti-PD-1 antibody) and a bevacizumab biosimilar (IBI305); this combination showed a significant OS benefit when compared with sorafenib, but results have yet to be confirmed outside of China.40 The COSMIC-312 trial evaluating first-line cabozantinib and atezolizumab versus sorafenib failed to show an OS benefit.43 CARES-310 studied the combination of camrelizumab (anti-PD-1 antibody) and rivoceranib (VEGFR2 TKI) versus sorafenib in the first-line setting and median OS was 22.1 months and 15.2 months, respectively.41 FDA approval for this combination is under review currently. The RATIONALE-301 trial demonstrated noninferiority of tislelizumab versus sorafenib in the first-line setting.42 However, tislelizumab is unlikely to add to the established first-line combinations of atezolizumab/ bevacizumab and the STRIDE regimen, which have demonstrated superiority versus sorafenib.