Choice of Frontline Therapy for Advanced HCC

VEGF + 10

8:05 - 8:13 AM

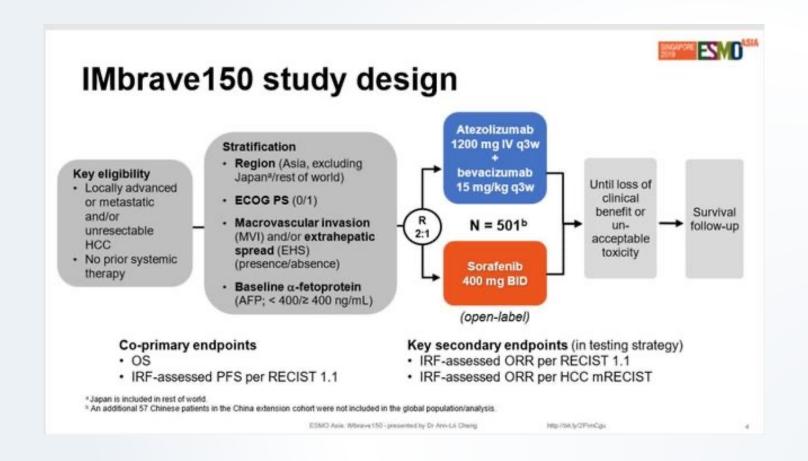
Lindsay M. Hannan, MD MSPH



Disclosures

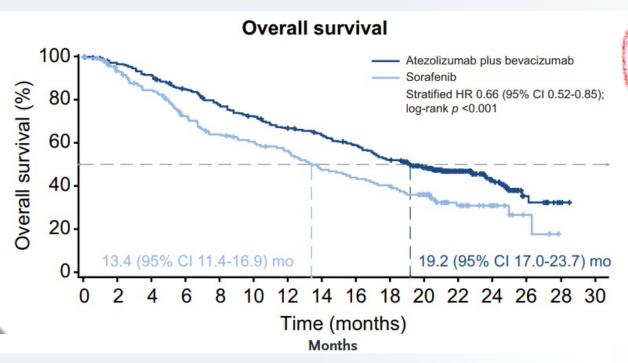
No.

IMBrave150



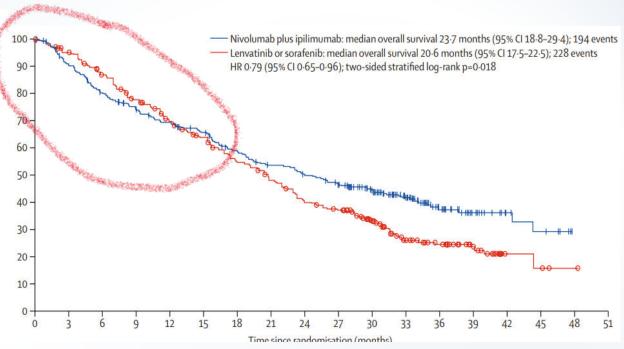
IMbrave150: OS

CheckMate 9DW: OS



At 12 months: survival 67.2% v 54.6%

mOS 19.2 v 13.4 months, p < 0.0001 ORR 30% vs 11%



OS 23.7m vs 20.6m

Toxicity

IMbrave150

Variable	Atezolizumab– Bevacizumab (N=329)	Sorafenib (N=156)
	number (percent)	
Patients with an adverse event from any cause	323 (98.2)	154 (98.7)
Grade 3 or 4 event*	186 (56.5)	86 (55.1)
Grade 5 event†	15 (4.6)	9 (5.8)
Serious adverse event	125 (38.0)	48 (30.8)
Adverse event leading to withdrawal from any trial drug	51 (15.5)	16 (10.3)
Withdrawal from atezolizumab–bevacizumab	23 (7.0)	_
Adverse event leading to dose modification or interruption of any trial drug	163 (49.5)	95 (60.9)
Dose interruption of any trial treatment	163 (49.5)	64 (41.0)
Dose modification of sorafenib	_	58 (37.2)

^{*} Numbers represent the highest grades assigned.

CheckMate 9DW

"Treatment-related deaths in the nivolumab plus ipilimumab group were from immune-mediated hepatitis (four patients), hepatic failure (three patients), hepatic insufficiency (one patient), decompensated cirrhosis (one patient), diarrhoea-colitis (one patient), autoimmune haemolytic anaemia (one patient), and dysautonomia (one patient). Treatment-related deaths in the lenvatinib or sorafenib group were from hepatorenal syndrome (one patient), ischaemic stroke (one patient), and acute kidney injury (one patient)."

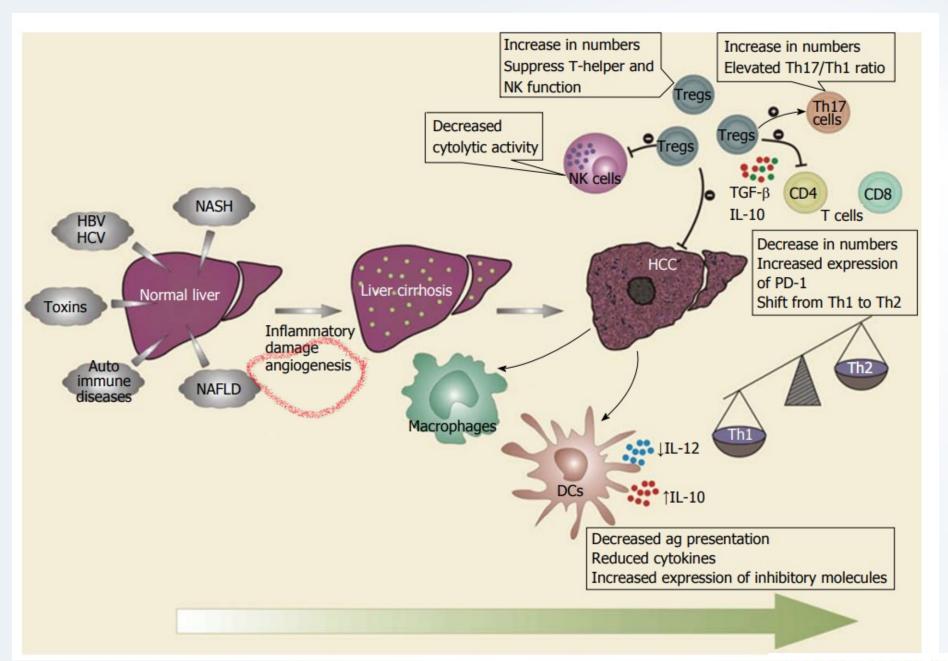
[†] Grade 5 events in the atezolizumab-bevacizumab group included gastrointestinal hemorrhage (in 3 patients), pneumonia (in 2 patients), empyema, gastric ulcer perforation, abnormal hepatic function, liver injury, multiple-organ dysfunction syndrome, esophageal varices hemorrhage, subarachnoid hemorrhage, respiratory distress, sepsis, and cardiac arrest (in 1 patient each); grade 5 events in the sorafenib group included death (in 2 patients), hepatic cirrhosis (in 2 patients), cardiac arrest, cardiac failure, general physical health deterioration, hepatitis E, and peritoneal hemorrhage (in 1 patient each).

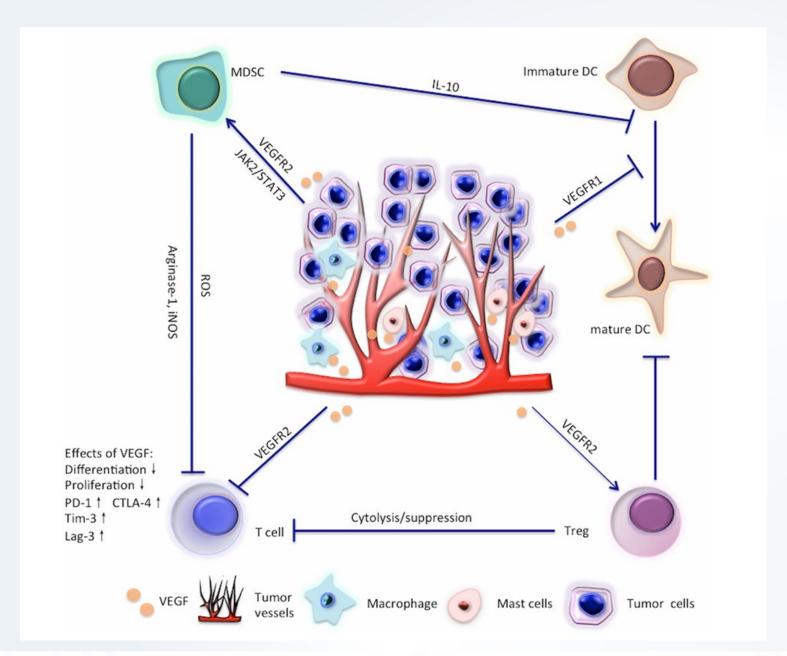
PFS

IMbrave150

CheckMate 9DW

Median PFS 9.1 vs 9.2





Anti-VEGF therapy and HCC

Inhibition angiogenesis

Normalization of vasculature -> improves immune cell infiltration Synergizes with immune checkpoint inhibitors in modification of TME

Antiangiogenic therapies in HCC

(other than bevacizumab)

Drug	Target
Lenvatinib	VEGFR-1-3, FGFRs, PDGFR-α, RET, and KIT.
Sorafenib	VEGFR-1-3, PDGFR-beta, c-kit, FLT-3, RET
Regorafenib	VEGFR-1-3, PDGFR-beta, FGFR1, RET
Ramucirumab	VEGFR-2 ab
Cabozantinib	VEGFR-2, c-Met, c-kit, RET, FLT-3

VEGF + IO

VEGFi is essential in HCC management

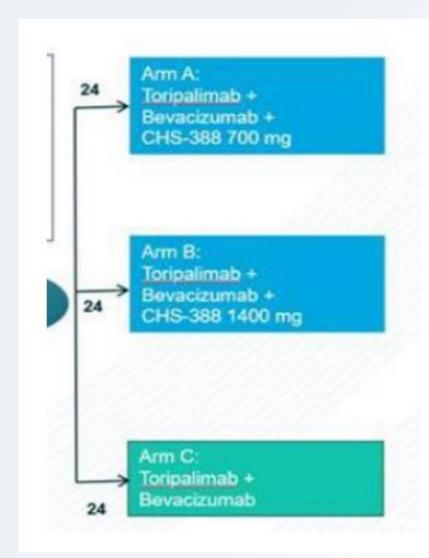
Angiogenesis

Tumor microenvironment alteration

Acceptable safety profile

CHS-388-202

A Randomized Phase 2 Study of Casdozokitug in Combination With Toripalimab Plus Bevacizumab in Participants With Unresectable and/or Locally Advanced or Metastatic Hepatocellular Carcinoma



The drugs

Toripalimab: humanized IgG4K mAb specific for human PD-1; binding to PD-1 is more prolonged than other PD-1 blockers

<u>Bevacizumab</u>

CHS-388, aka casdozokitug: IgG1 mAb targeting IL-27 (cytokine involved in blocking anti-tumor immune response).

All three drugs are given via IV.

Drugs administered on D1 of 21d cycle

Thank you