

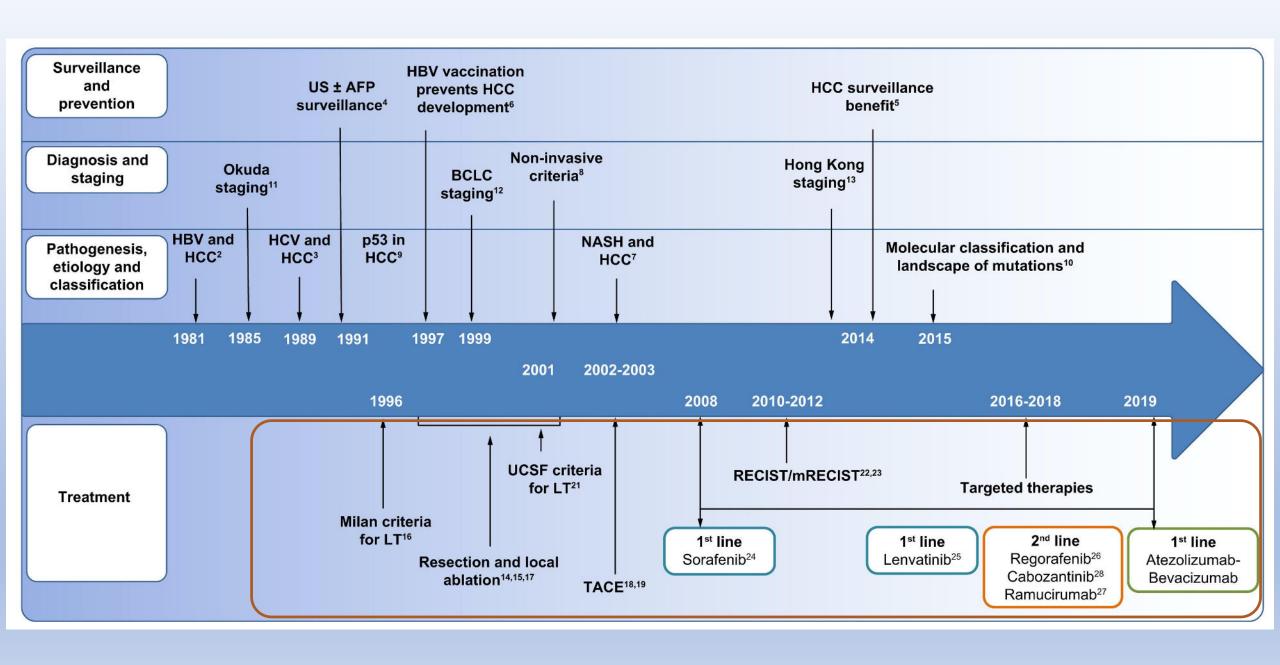
# HCC case presentation

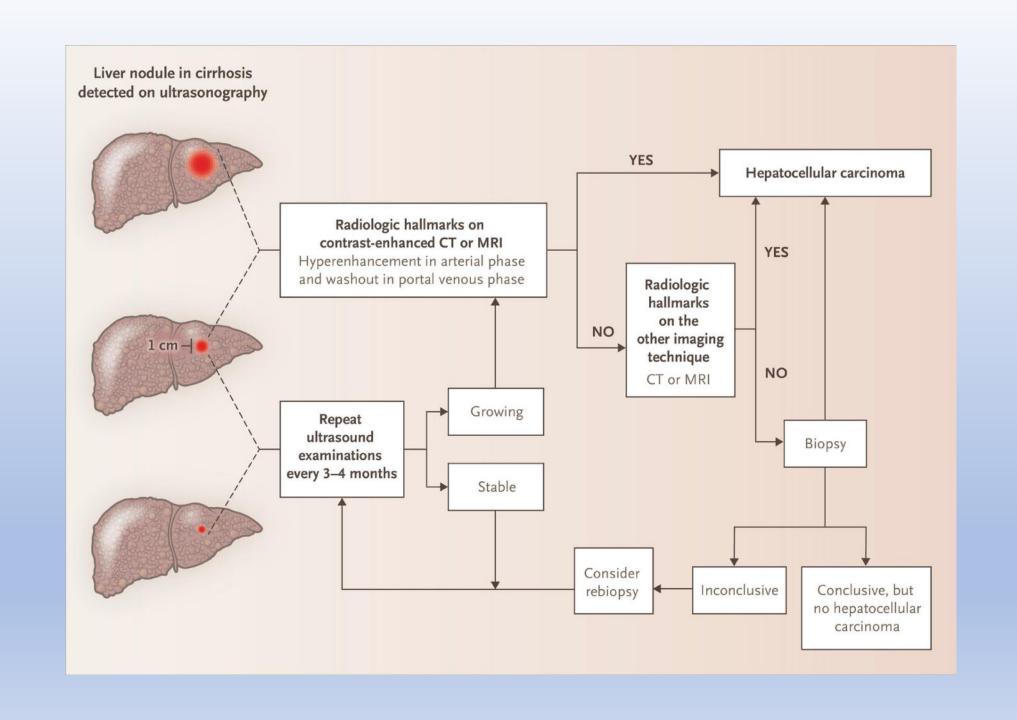
Jose E Rivera-Acosta MD, MSc. Assistant Professor, UPR, School of Medicine Transplant Hepatologist, Hospital Auxilio Mutuo

### HCC case 1

 69 years-old man with alcohol and HCV related cirrhosis, naïve to therapy, referred to liver transplant clinic for evaluation of liver mass identified on surveillance by primary provider

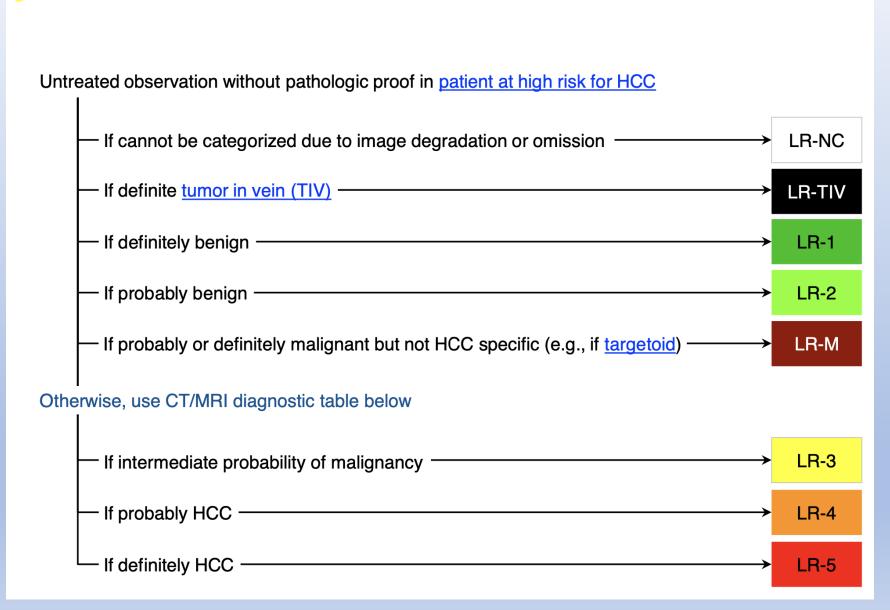
- Biopsy with histology consistent with HCC
- Former IVDA and smoker
- No previous complications of portal hypertension
- AFP was 138.6, Bilirubin 3.3, MELD Na 10







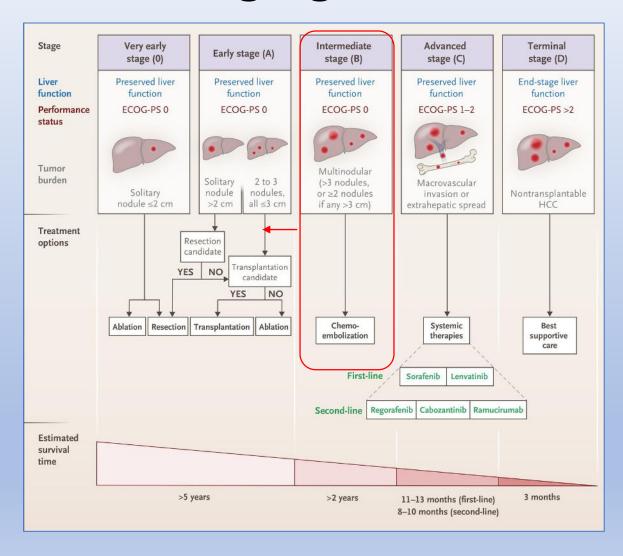
#### CT/MRI LI-RADS® v2018 CORE



### CT with dynamic triphasic protocol

7.4 x 6.5 cm lesion with arterial enhancement and washout identified (LIRADS 5) at segment 5/6, 3.8 x2.7 cm LIRADS 5 at segment 8

# Staging BCLC



## Intermediate stage lesion

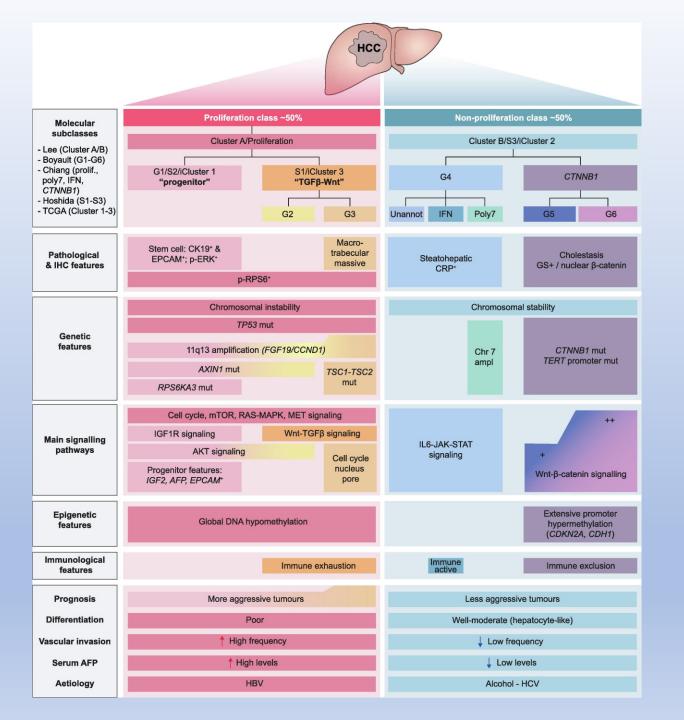
- Beyond Milan criteria
- Other concern for OLT candidacy
  - Lung emphysema

- Referred to clinical trial consideration
- Received TACE (in combination with immunotherapy) as part of clinical trial on 11/2020

Trial Name	Line of therapy	Active agent	Control	Primary end-point	Results
SHARP	First-line	Sorafenib	Placebo	OS	10.7vs7.9 HR 0.69 (95% CI 0.55-0.87)
REFLECT	First-line	Levatinib	Sorafenib	OS	13.6 vs 12.3 HR 0.92 (95% CI 0.79-1.06)
RESORCE	Second-line	Regorafenib	Placebo	OS	10.6 vs 7.8 HR 0.63 (95% CI 0.50-0.79)
CELESTIAL	Second- and third-line	Cabozantinib	Placebo	OS	10.2 vs 8.0 HR0.76 (95% CI 0.63-0.92)
REACH-2	Second-line and AFP>400 ng/mL	Ramucirumab	Placebo	OS	8.5 vs 7.3 HR 0.71 (95%CI 0.531-0.949)
Checkmate-440	Second-line	Nivolumab	None	ORR, OS, safety	17%, 15.0
KEYNOTE-224	Second-line	Pembrolizumab	None	ORR, OS, safety	17%, 12.9
KEYNOTE-240	Second-line	Pembrolizumab	Placebo	PFS, OS	PFS 3.0 vs 2.8 HR 0.718 (95%CI 0.570-0.904) OS 13.9 vs 10.6 HR 0.781 (95%CI 0.611-0.998)
Checkmate-459	First-line	Nivolumab	Sorafenib	OS	16.4 vs 14.7 HR 0.85 (95%CI 0.72-1.02)
IMbrave150	First-line	Atezolizumab + bevacizumab	Sorafenib	OS% 12 mo., PFS	PFS 6.8 vs 4.8 HR 0.59 (95%CI 0.47-0.76) OS 67.2% vs 54.6% (95%CI 45.2-64.0)

# Follow up image dynamic CT

Follow up dynamic CT with area of residual tumor of 3.7cm identified on segment 5 consistent with partial response (2/18)



#### Discussion

Role of liver biopsy on diagnosis and management of HCC

Role of locoregional therapy approach to HCC

 Role of combination of locoregional therapies and systemic/ target therapies

Availability of molecular classifications of tumors