

Estadificación del carcinoma hepatocelular

Cambios introducidos en el BCLC Migración de estadio y en el estadio intermedio



María Reig

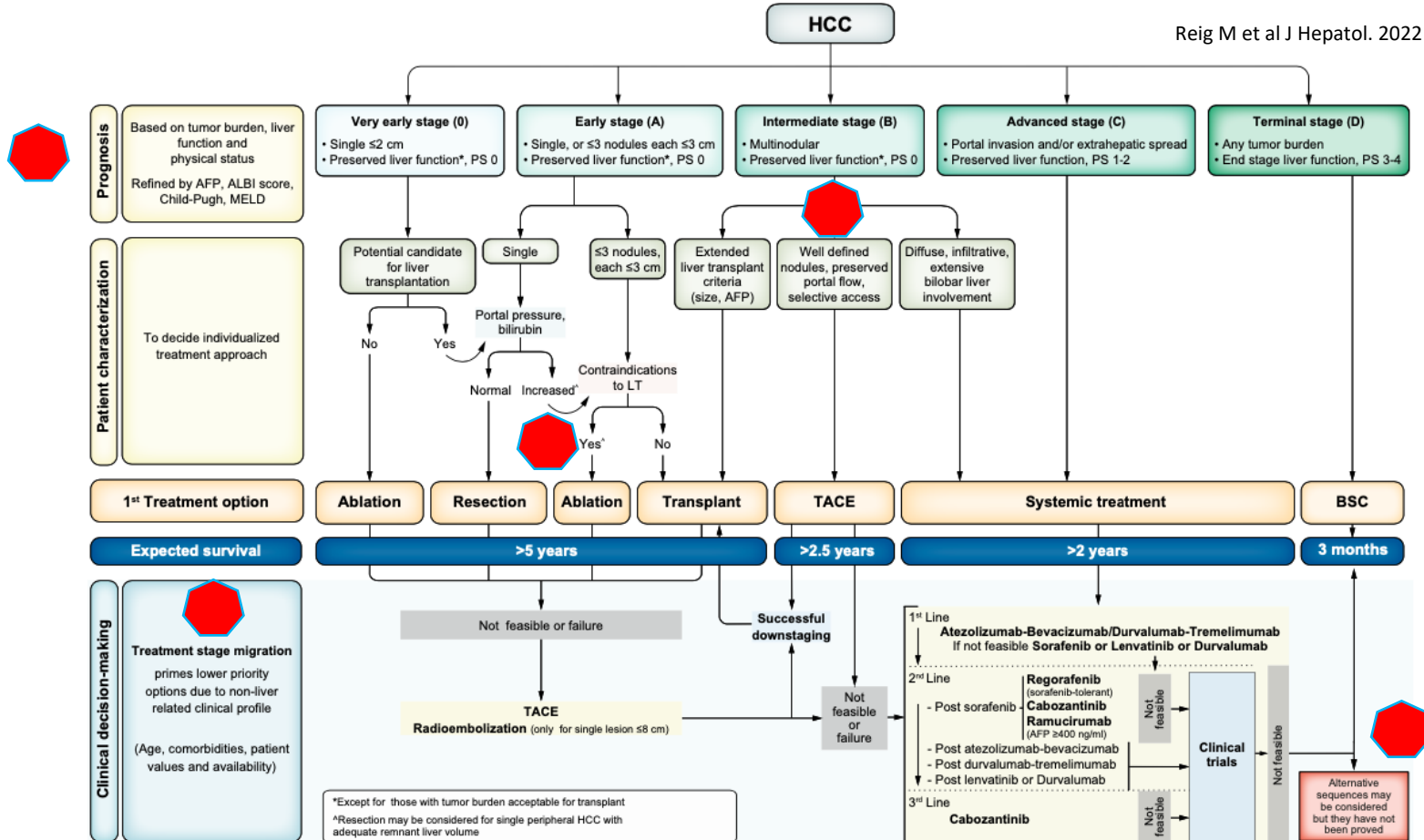
BCLC group , Liver Unit

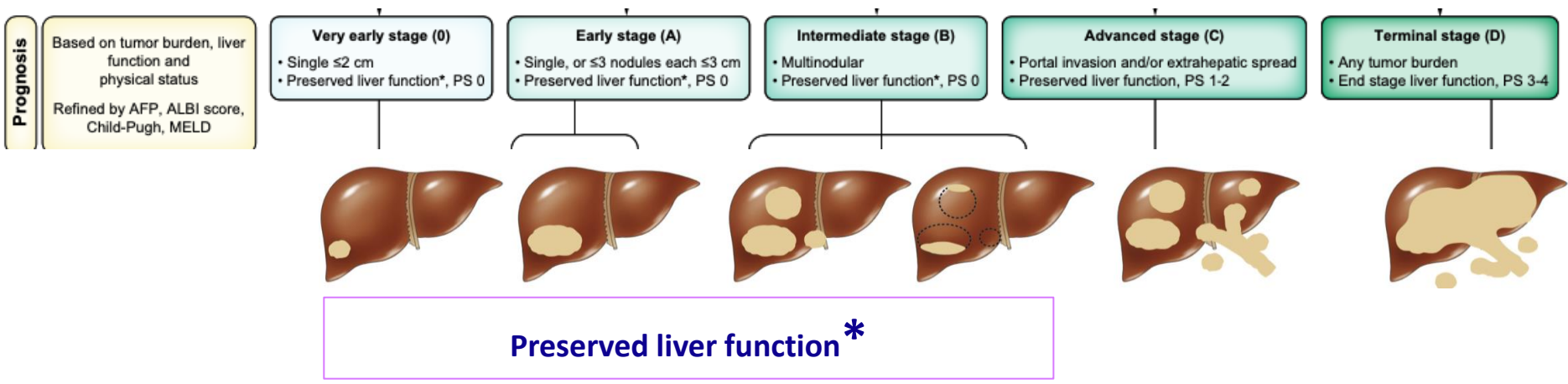
Hospital Clínic, Universidad de Barcelona, CIBERehd

I have an interest in relation to one or more organisations that could be perceived as a possible conflict of interest in the context of the subject of this presentation.

- **Employment:** Head of Liver Oncology Unit. Hospital Clinic Barcelona. Director of BCLC group. IDIBAPS/CIBEREHD.
- **Consultant or Advisory Role:** AstraZeneca, Bayer, BMS, Eli Lilly, Geneos, Ipsen, Merck, Roche, Universal DX, Boston
- **Research Funding:** Yes (ISCIII, CIBER)
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- **Educational Support (to the institution):** Astrazeneca, Bayer, Roche, Eisai, Ipsen, Lilly, Terumo

Reig M et al J Hepatol. 2022 Mar;76(3):681-693.





*Except for those with tumour burden acceptable for Transplant

Child-Pugh score

- **Ascites**
 - ✓ Minor ascites, easy to treat
 - ✓ Tense ascites, high diuretics dosing
 - ✓ Refractory ascites, hyponatremia
 - ✓ Spontaneous bacterial peritonitis
- **Encephalopathy**
 - ✓ Secondary due to infection, constipation, etc
 - ✓ Recurrent encephalopathy
- Bilirubin
- Prothrombin time
- Albumin

Pugh et al. Br J Surg 1973.

ALBI score

- Albumin
- Bilirubin

Johnson et al. J Clin Oncol 2015

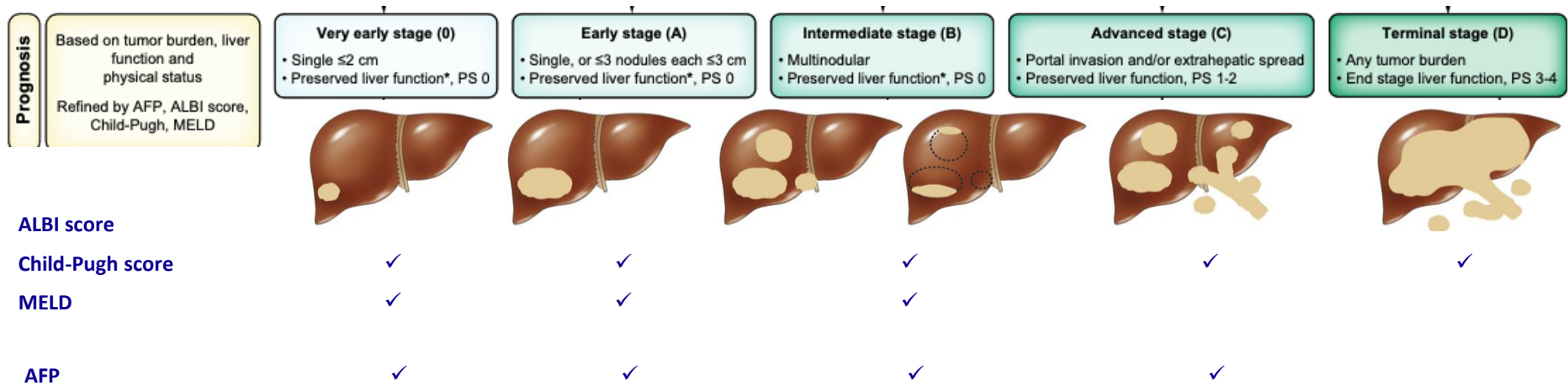
MELD/MELD-Na score

- Creatinine
- Bilirubin
- INR
- Sodium

Kamath et al. Hepatology 2001; Kim et al. N Engl J Med 2008

Alfafeto-Protein (AFP)

Takayasu et al Gastroenterology 20216;
et al. Gastroenterology 2021;
Cabibbo et al. World JHepatol 2012

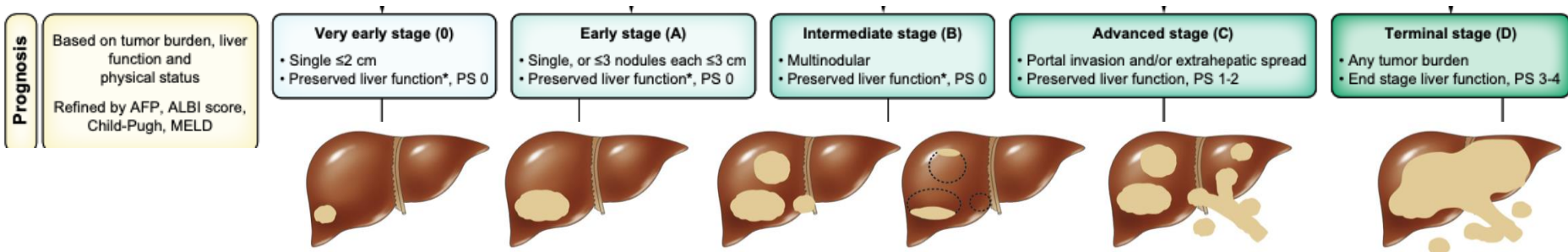


- Variceal bleeding
- Malnutrition
- Hepatorenal syndrome
- Arterial hypotension

Child-Pugh, MELD, ALBI do not identify 100% of endstage patients

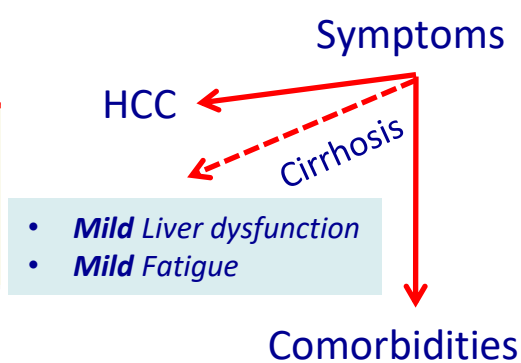
Clinical Decision-Making

Johnson et al. J Clin Oncol 2015; Pinato et al. J Hepatol 2017; Pugh et al. Br J Surg 1973; Kamath et al. Hepatology 2001; Kim et al. N Engl J Med 2008; Kim et al. Gastroenterology 2021. de Franchiset al. J Hepatol 2015; D'Amico et al. J Hepatol 2018; Garcia-Tsao et al. Hepatology 2010; Tonon et al. Clin Gastroenterol Hepatol 2021; Llach J et al. Gastroenterology 1988



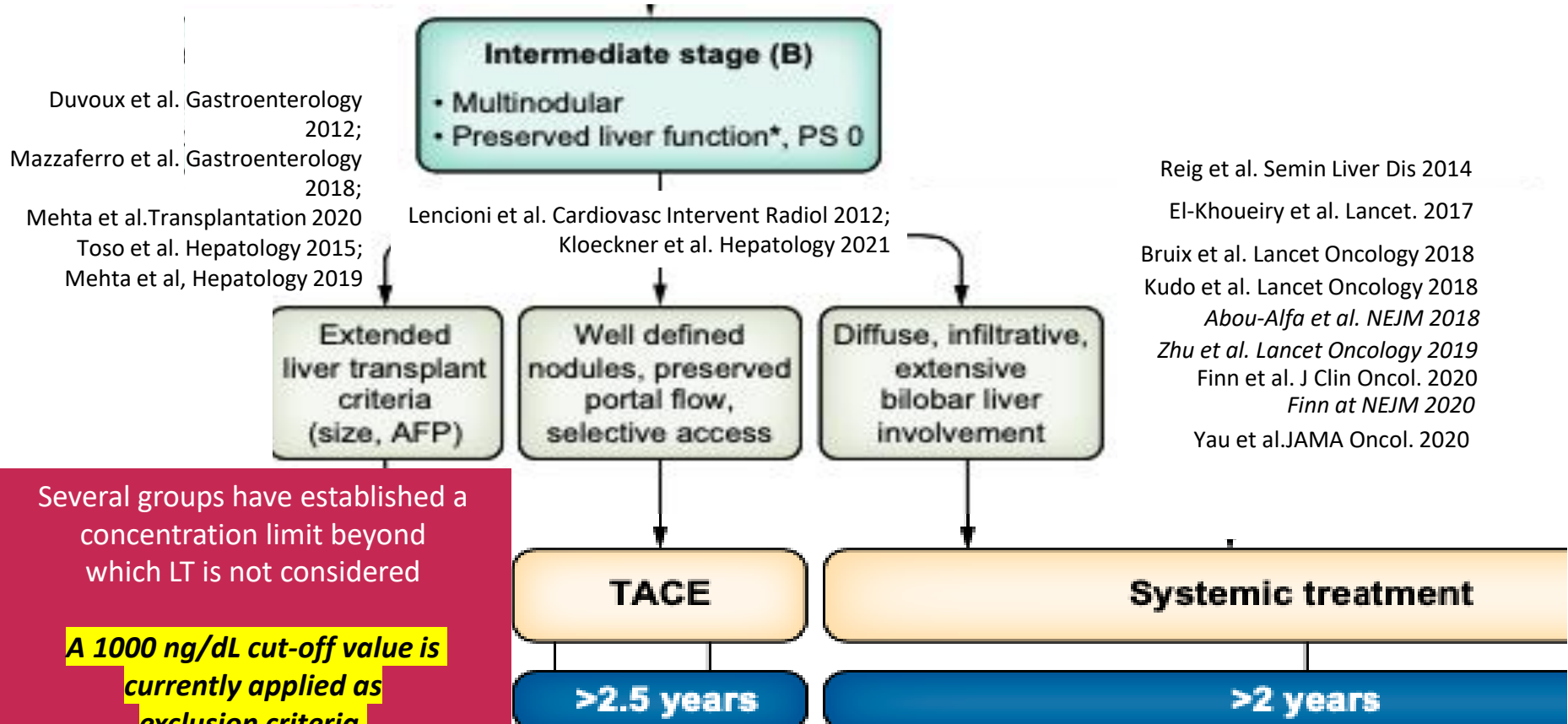
Performance Status, ECOG-PS

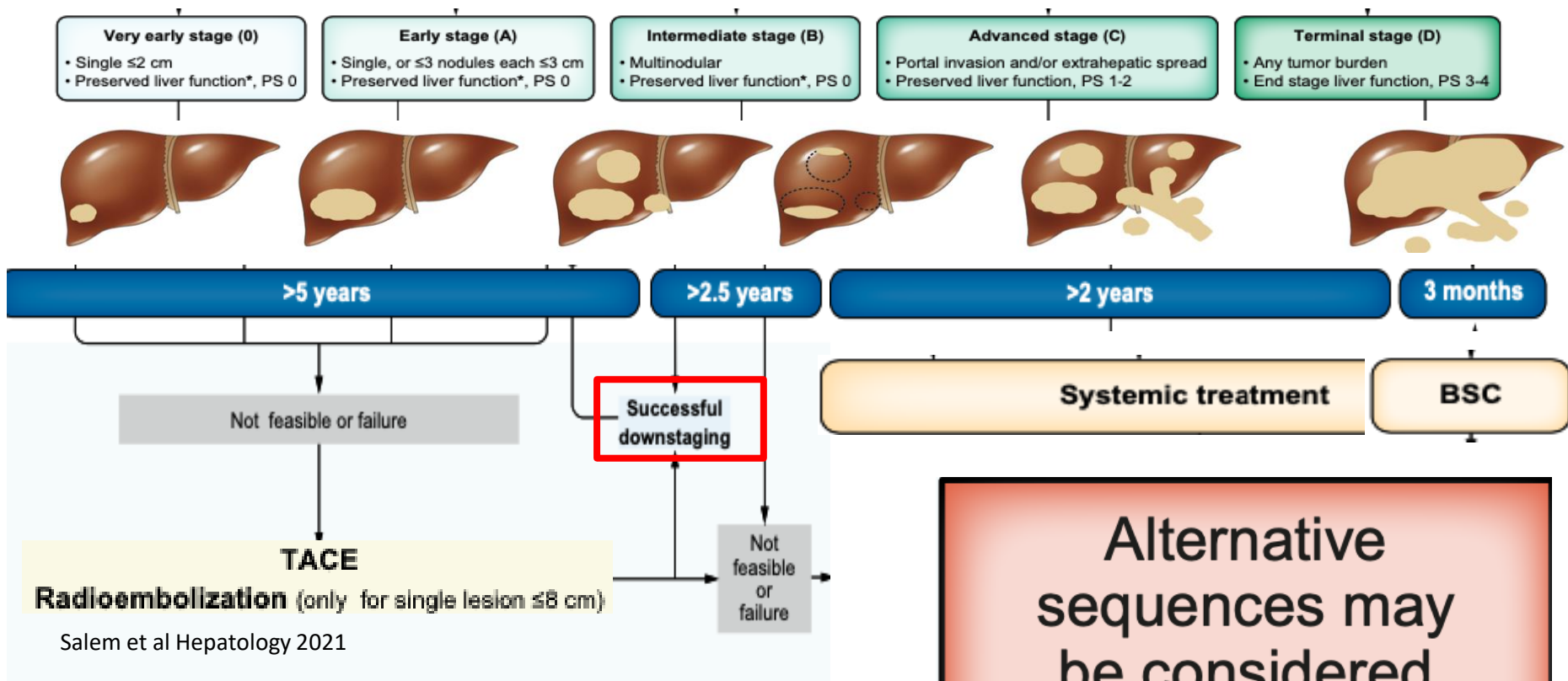
Grade	ECOG
0	Fully active, able to carry on all pre-disease performance without restriction
1	Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature, e.g. light house work, office work
2	Ambulatory and capable of all selfcare but unable to carry out any work activities. Up and about more than 50% of waking hours
3	Capable of only limited selfcare, confined to bed or chair more than 50% of waking hours
4	Completely disabled. Cannot carry on any selfcare. Totally confined to bed or chair
5	Dead



Tumour-related symptoms

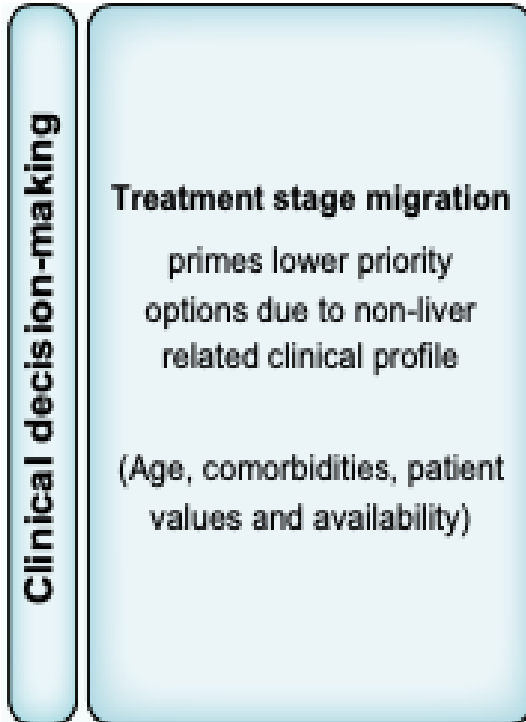
Characterization of ECOG-PS can required more than 1 visit





Alternative sequences may be considered but they have not been proved

Physician – Multidisciplinary Team --> RESPONSABILITY
'Shared-Decision Making' and 'Value-Based Healthcare'



- Age
- Comorbidities
- Patient values
- Treatment availability
- HCC location
- Techniques (type of ablation, surgery or material for loco-regional treatments)
- Type of systemic treatments
- Etc.

HCC, hepatocelular carcinoma; .

Seminar

Hepatocellular carcinoma

Arndt Vogel, Tim Meyer, Gonzalo Sapisochin, Riad Salem, Anna Saborowski



Hepatocellular carcinoma is one of the most common cancers worldwide and represents a major global health-care challenge. Although viral hepatitis and alcohol remain important risk factors, non-alcoholic fatty liver disease is rapidly becoming a dominant cause of hepatocellular carcinoma. A broad range of treatment options are available for patients with hepatocellular carcinoma, including liver transplantation, surgical resection, percutaneous ablation, and radiation, as well as transarterial and systemic therapies. As such, clinical decision making requires a multidisciplinary team that longitudinally adapts the individual treatment strategy according to the patient's tumour stage, liver function, and performance status. With the approval of new first-line agents and second-line agents, as well as the establishment of immune checkpoint inhibitor-based therapies as standard of care, the treatment landscape of advanced hepatocellular carcinoma is more diversified than ever. Consequently, the outlook for patients with hepatocellular carcinoma has improved. However, the optimal sequencing of drugs remains to be defined, and predictive biomarkers are urgently needed to inform treatment selection. In this Seminar, we present an update on the causes, diagnosis, molecular classification, and treatment of hepatocellular carcinoma.

Treatment

Treatment options for patients with hepatocellular carcinoma are outlined in national and international guidelines, with slight differences in the therapeutic approach between Asia, Europe, and North America.⁸⁷⁻⁹¹

The Barcelona Clinic of Liver Cancer (BCLC) algorithm is the most widely used staging system and subdivides patients with hepatocellular carcinoma into five clinical stages: very early stage (BCLC 0), early stage (BCLC A), intermediate stage (BCLC B), advanced stage (BCLC C), and terminal stage (BCLC D).⁹²

Clinical decision-making

Treatment stage migration
primes lower priority options due to non-liver related clinical profile
(Age, comorbidities, patient values and availability)

What is the profile of the patient ?

Compensated cirrhosis?



Prognosis defined by HCC

BCLC 2022 Algorithm

No

Meets the RADIOLOGIC LT criteria

or

Achieves the downstaging criteria for LT?

Yes

Comorbidities that contraindicate LT?

No

Male 60 years old
No comorbidities

Candidate to LT due to Liver Decompensation

BCLC 2022 Algorithm

What is the profile of the patient ?

Compensated
cirrhosis



BCLC 2022
Algorithm

Doctor responsibility
Management

Male 92 years old
Alzheimer

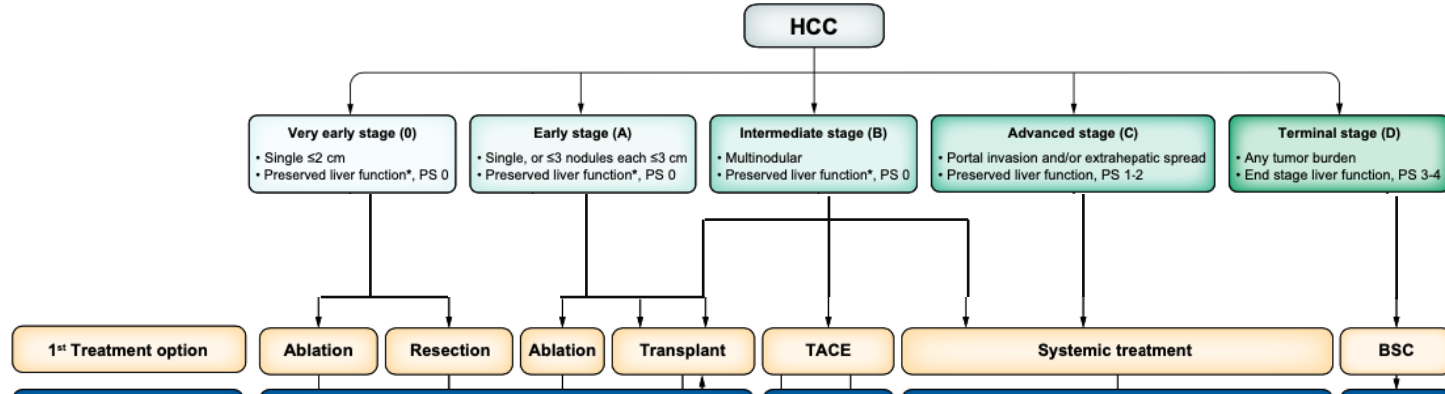
Male 60 years old
Myocardial infraction

Treatment Stage Migration

Untreatable progression



Treatment Stage Migration



Clinical decision-making

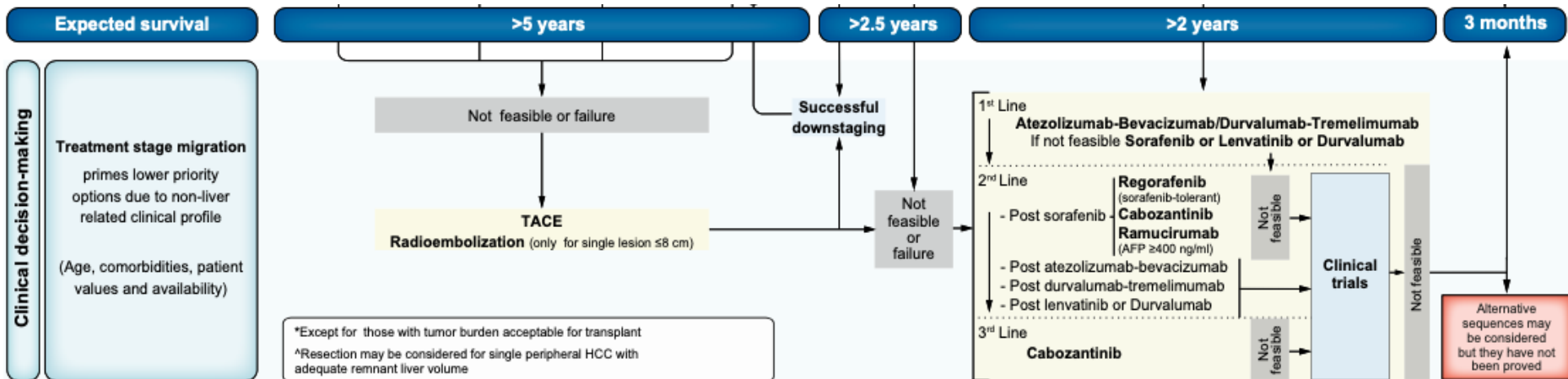
Treatment stage migration

primes lower priority options due to non-liver related clinical profile

(Age, comorbidities, patient values and availability)

Treatment Stage Migration

EVOLUTIONARY EVENTS



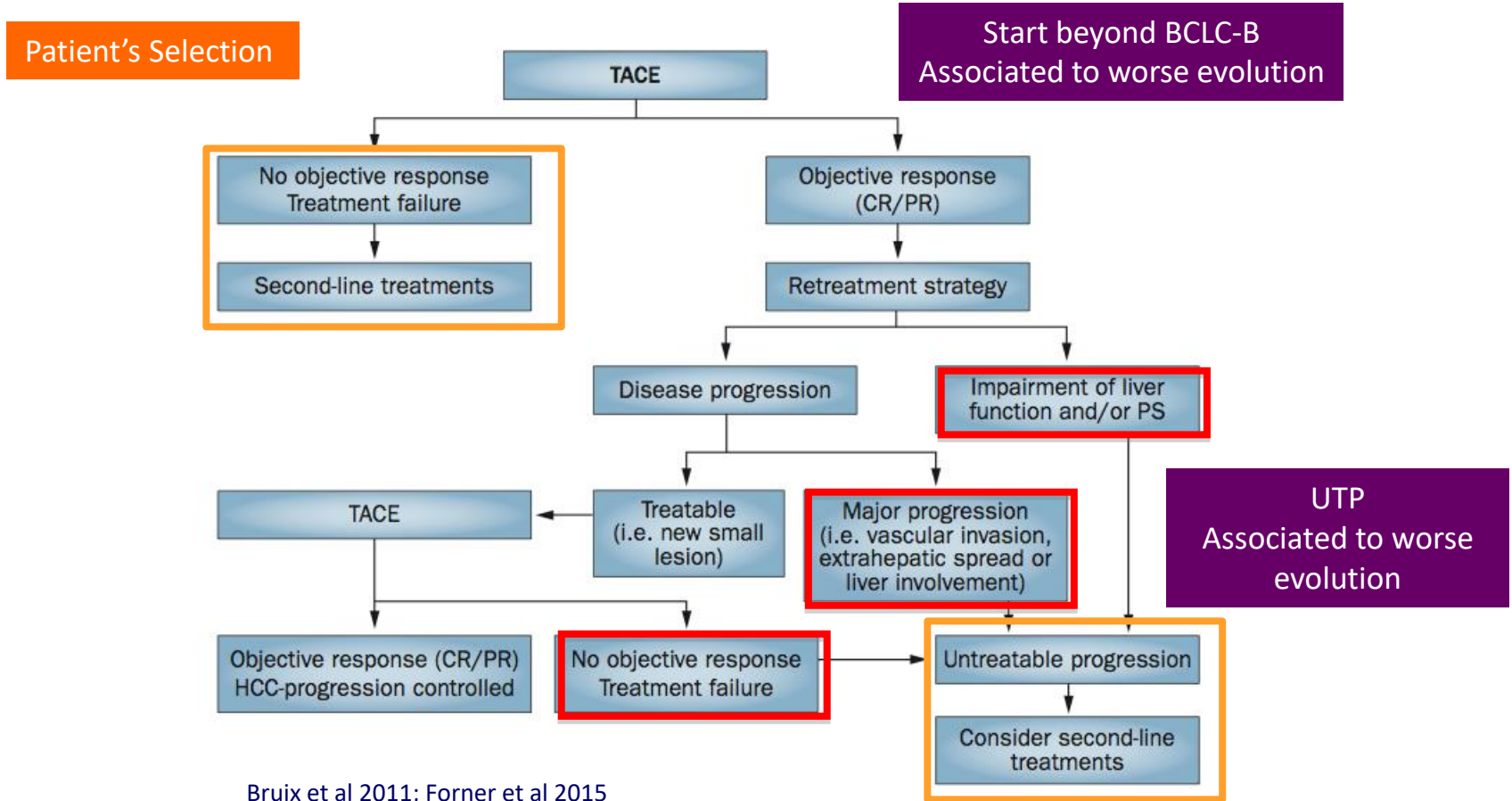
Treatment Stage Migration →

- Age
- Comorbidities
- Patient values,
- Treatment availability
- HCC location
- Etc.

← Down-Staging

→ Untreatable-Progression

Untreatable progression concept





Time from randomization (treatment initiation) until death or need for a further therapeutic option


TACE



 Discontinuation

 Radiological Progression

 Symptomatic Progression

 Toxicity

Meeting Abstract | 2022 ASCO Gastrointestinal Cancers Symposium

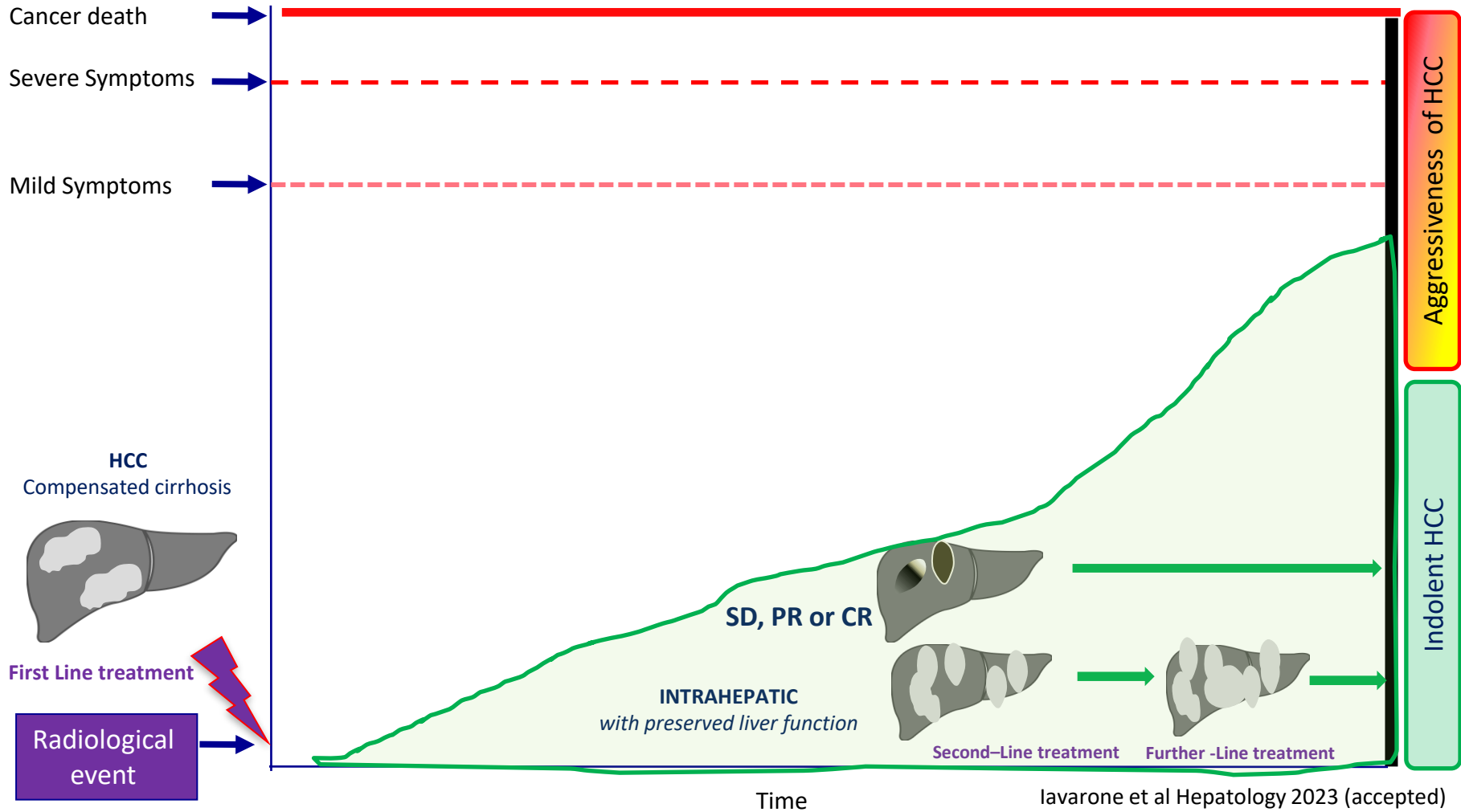
HEPATOBIILIARY CANCER

ABC-HCC: A phase IIIb, randomized, multicenter, open-label trial of atezolizumab plus bevacizumab versus transarterial chemoembolization (TACE) in intermediate-stage hepatocellular carcinoma.

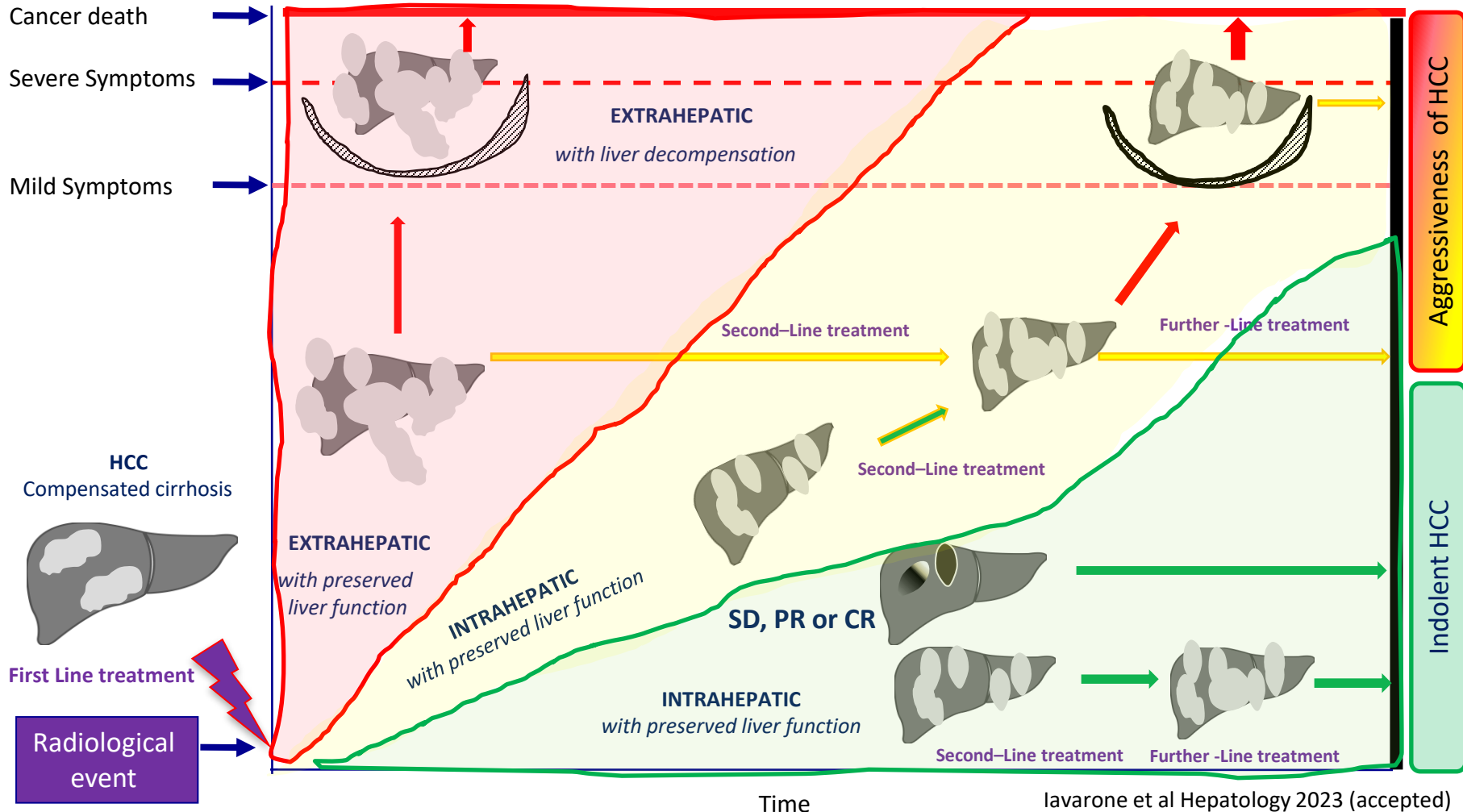
 Check for updates

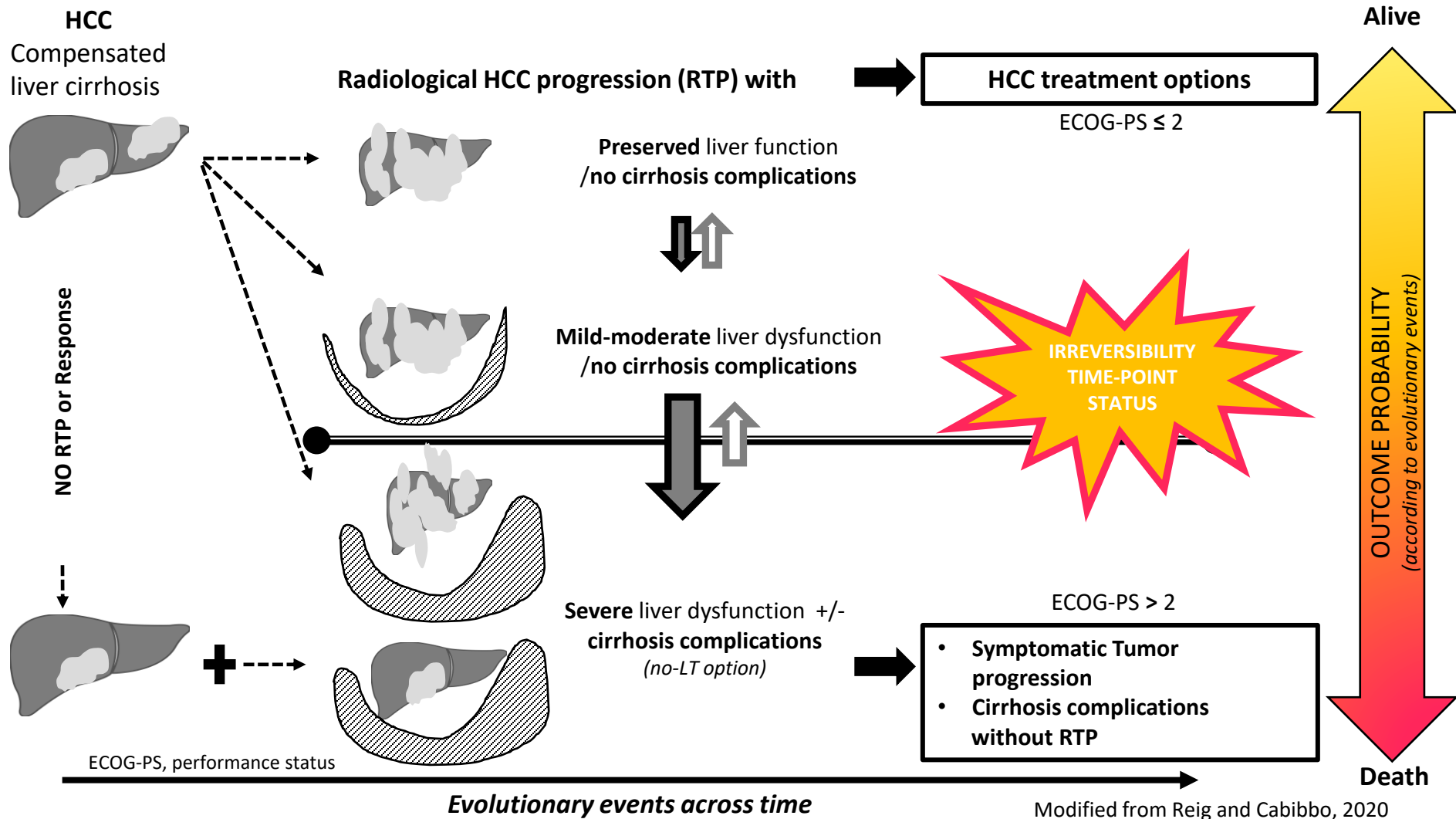
[Friedrich Foerster](#), [Roman Kloeckner](#), [Maria Reig](#), [Stephen Lam Chan](#), [Jin Wook Chung](#), [Philippe Merle](#), [Joong-Won Park](#), [Fabio Piscaglia](#), [Arndt Vogel](#), [Vincent Gaillard](#), [Jordi Bruix](#), [Peter R. Galle](#)

Death unrelated to HCC



Death unrelated to HCC



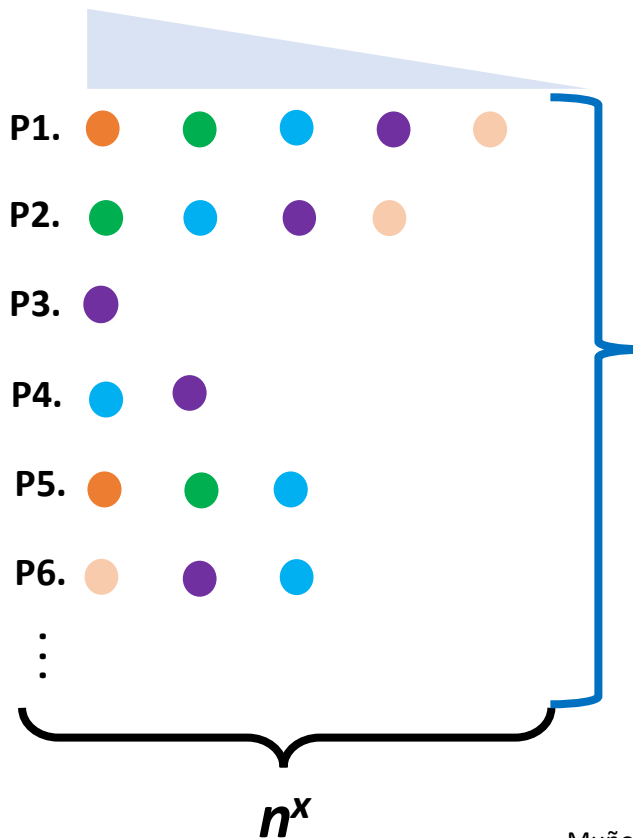


HCC treatment selection process when more than one option improves the overall survival of patients.

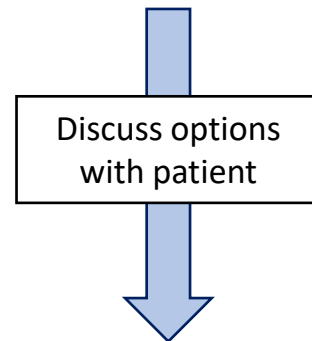
Number of factors and their priority order according to different physicians when propose treatments

Factors considering for treatment selection:

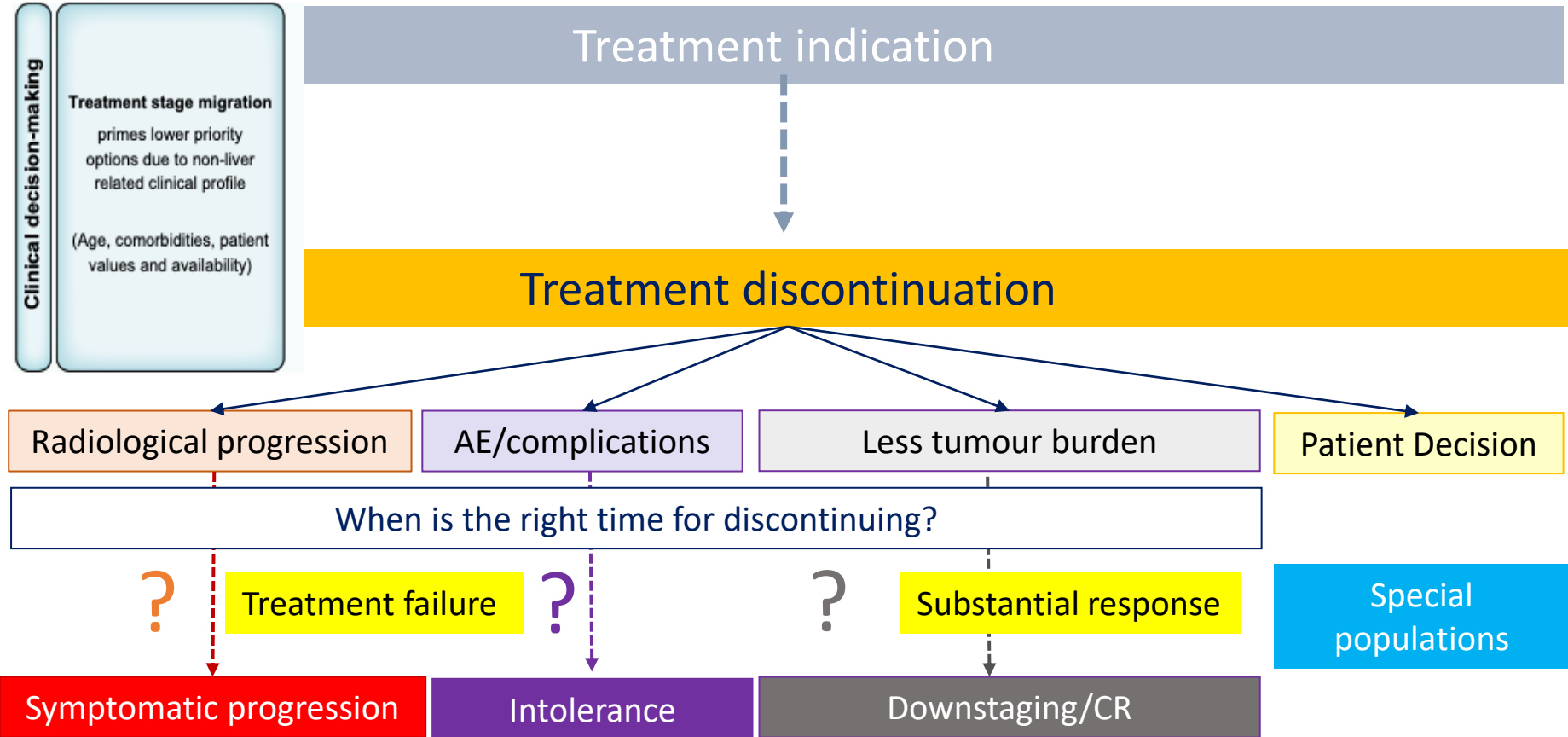
- Safety
- Rationality
- Response
- Real-World data
- HRQoL
- P** Physician



Tailored treatment depending on patient profile and local availability



Patient decision based on information recieved



Treating HCC outside the BCLC strategy: should we change the treatment algorithm?

If you want ...



- Rise the idea
- Develop a protocol
- Demonstrate the benefits of the change

KEEP in mind that 'CLINICAL DECISION-MAKING' IS ...

Physician – Multidisciplinary Team --> **RESPONSABILITY**

BCLC 2022 consider the following points

'Treatment Stage Migration concept' and 'Untreatable progression'

'Shared-Decision Making' and 'Value-Based Healthcare'

REVIEW | ARTICLES IN PRESS

BCLC strategy for prognosis prediction and treatment recommendation Barcelona Clinic Liver Cancer (BCLC) staging system. The 2022 update

M. Reig  *  • A. Forner • J. Rimola • ... • J. Fuster • C. Ayuso • J. Bruix  *  • Show all authors •

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