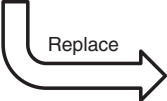


Trial eligibility criteria**•Key inclusion criteria**

- 1) Patients with histologically or clinically confirmed HCC
- 2) Patients with multiple HCCs that are diagnosed as stage 2-4a and cannot be selected for surgical resection or local ablation
- 3) Patients without severe tumor thrombosis in the portal vein, hepatic vein or bile duct
- 4) Patients under Child-Pugh A or B
- 5) Patients under PS 0 or 1
- 6) Patients who fulfill all selected criteria : WBC $\geq 3000/\text{mm}^3$, Plt $\geq 5 \times 10^4/\text{mm}^3$, ...
- 7) Patients who are 20 years and older

•Key exclusion criteria

- 1) Patients with another active cancer
- 2) Patients with extrahepatic metastases
- 3) Patients with prior surgical reconstruction of the biliary tract or prior endoscopic treatment of ampulla of Vater
- 4) Patients with clinically significant refractory ascites or pleural effusion
- 5) Patients with a medical history of severe hypersensitivity



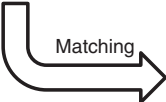
Replace

Patient characteristics**•Select**

- 1) Patients with an HCC diagnosis
- 2) 3) Patients who are going to receive transcatheter arterial chemoembolization for multiple HCCs
- 4) 5) Not applicable
- 6) Patients who fulfill all selected criteria at least once: WBC $\geq 3000/\text{mm}^3$, Plt $\geq 5 \times 10^4/\text{mm}^3$, ...
- 7) Patients who are 20 years and older

•Omit

- 1) Patients with a diagnosis of another active cancer
- 2) Patients with a diagnosis of extrahepatic metastasis
- 3) Patients with prior surgical reconstruction of the biliary tract or prior endoscopic treatment of the ampulla of Vater
- 4) Patients with a diagnosis of significant refractory ascites or pleural effusion
- 5) Patients with a diagnosis of severe hypersensitivity



Matching

Data elements in EMRs**Criterion****Section****Code or definition****Parameter****•Select**

1)

Diagnosis

ICD10 Code

'C220'

2) 3)

Radiologic study

Order name

'TAI' or 'TAE'

6)

Laboratory tests

WBC

 $\geq 3000/\text{mm}^3$

6)

Laboratory tests

Plt

 $\geq 5 \times 10^4/\text{mm}^3$

7)

Demographics

age

 ≥ 20 **•Omit**

1) 2)

Diagnosis

ICD10 Code

'C001', 'C003', ... according to the list, except for 'C220'

3)

Operative notes

ICDCM or surgical procedure

'509078', '509079', ... or surgical procedure = 'partial biliary tract resection' ...

4)

Diagnosis

ICD-10 code or diagnosis

'pleural effusion (refractory)' or 'refractory pleural effusion' and so on

5)

Diagnosis

ICD-10 code

'T781', 'T887'