Hepatocellular Carcinoma Algorithm

Very early stage (0)
Single <2 cm carcinoma \textit{in situ}

Stage 0
PST 0, Child-Turcotte-Pugh A

Early stage (A)
Single nodule <5 cm or 3 nodules ≤3 cm, PST 0

Intermediate stage (B)
Multinodular, PST 0

Advanced stage (C)
Portal invasion, N1, M1, PST 1-2

Terminal stage (D)
PST >2, Child-Turcotte-Pugh C

TACE, TABE or TARE
Local Chemo- or Radiotherapy
(Chemo or Bead embolization, Radioembolization)

Sorafenib
Chemo

Supportive Care
Survival <3 months

Liver transplantation (CLT or LDLT)

RFA (PEI$^a$)
Ablation (SBRT, RF, TABE>TARA or SBRT)
* ≤ 3 tumors
* ≤ 5 cm

RFA (PEI$^a$)
Ablation (SBRT, RF, TABE>TARA or SBRT)
Salvage

*Sequence: TARE, TABE, SBRT ± sorafenib?$^b$*  
*Combinations, SBRT, TARE, TABE?$^b$*  

Sorafenib
Chemo

Median survival 11-20 months

Resection

Resection

Salvage

Supportive Care
Survival <3 months

5-year survival 40%-70%

---

$^a$ Rarely used. $^b$ Confirmation required from RCTs.

SBRT = Stereotactic Body Radiation Therapy