A Novel Online Calculator to Predict Reduced Risk of Early Recurrence from Adjuvant Transarterial Chemoembolization for Patients with Hepatocellular Carcinoma

2,590 resected HCC patients
4-8 weeks after surgery

765 (29.5%) with adjuvant TACE
1,825 (70.5%) without adjuvant TACE
Follow up at least 1 year

141 (18.4%) with early recurrence ≤ 1 year after surgery
509 (27.9%) with early recurrence ≤ 1 year after surgery

Hypothesis: Resected HCC patients at high risks of recurrence may benefit from adjuvant TACE.

Online Calculator to Estimate Reduced Risk of Early Recurrence

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Performance
C-index
Training cohort: 0.799 (0.780-0.818)
Validation cohort: 0.778 (0.747-0.807)

Risk stratification
Low-risk
Early recurrence rate ≤ 34.2%

High-risk
Early recurrence rate ≥ 34.2%

Conclusion: The proposed calculator helps to easily determine an estimation of an individual patient of the reduced risk of early recurrence by using adjuvant TACE.

http://asapcalculate.top/Cal09_en.html

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Visual Abstract for eGastroenterology