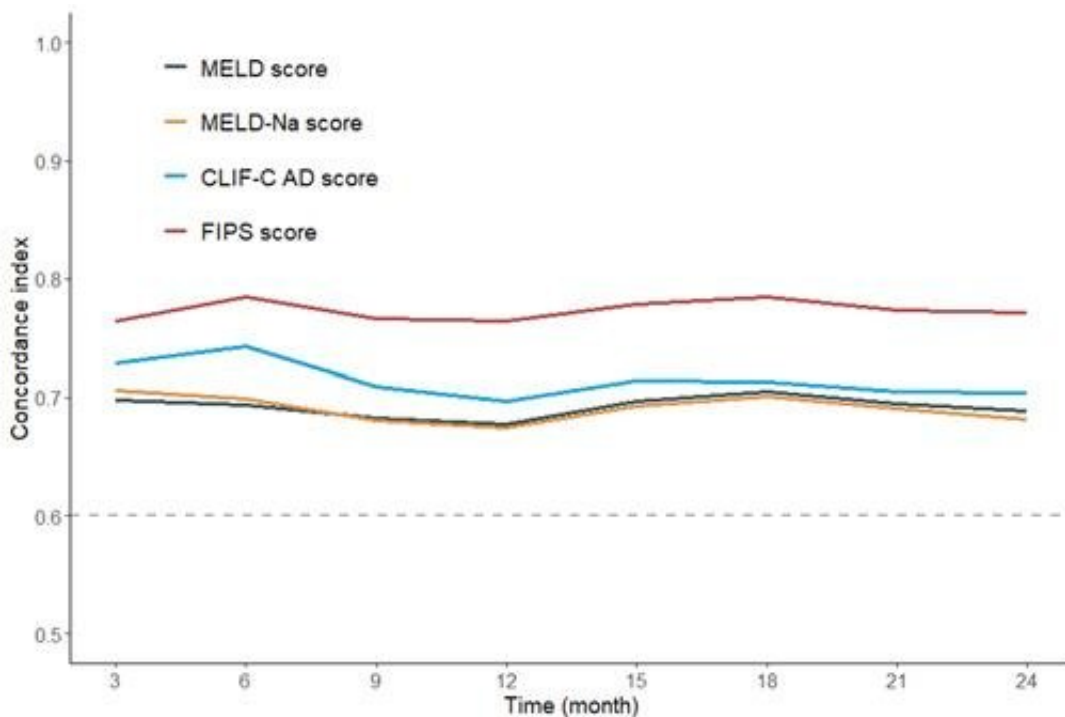


# Team finds FIPS score best predicts survival after TIPS placement for cirrhosis patients

February 9 2022



Time-dependent c-index evaluating discrimination. Credit: American Roentgen Ray Society (ARRS), *American Journal of Roentgenology (AJR)*

According to an article in the American Roentgen Ray Society (ARRS) *American Journal of Roentgenology (AJR)*, when predicting post-TIPS (transjugular intrahepatic portosystemic shunt) survival for patients with cirrhosis, the recently developed FIPS (Freiburg index of post-TIPS survival) score outperformed traditional risk scoring.

"The findings support utility of FIPS [score](#) in differentiating patients who are optimal candidates for TIPS placement versus those at high risk who may instead warrant close monitoring and early liver transplantation," concluded corresponding author Bin Xiong from Huazhong University of Science and Technology in Wuhan, China.

Xiong and colleagues' retrospective validation compared four prognostic scores [Model for End-Stage Liver Disease (MELD), sodium MELD (MELD-Na), CLIF Consortium Acute Decompensation (CLIF-C AD), and FIPS] in 383 patients (249 men, 134 women; mean age, 54.9 years) with [cirrhosis](#) who underwent TIPS placement (341 for variceal bleeding, 42 for refractory ascites) at Wuhan Union Hospital between January 2016 and August 2021. Model performance was measured for discrimination (via concordance index) and calibration (via Brier score and observed-to-predicted ratios) for 6-, 12- and 24-month post-TIPS survival.

Ultimately, discriminative performance for 6-month survival was highest for the FIPS score (concordance index, 0.784). Additionally, the FIPS score yielded higher Brier scores and observed-to-predicted ratios closer to 1, as well as the strongest prognostic performance for 12-month and 24-month survival and in those patients who underwent TIPS placement for either variceal bleeding or refractory ascites.

"To our knowledge," the authors of the *AJR* article noted, "our study was the first to validate the FIPS score in an Asian cohort, thereby providing evidence of the score's generalizability."

**More information:** Chongtu Yang et al, FIPS Score for Prediction of Survival After TIPS Placement: External Validation and Comparison With Traditional Risk Scores in a Cohort of Chinese Patients With Cirrhosis, *American Journal of Roentgenology* (2022). [DOI: 10.2214/AJR.21.27301](#)

Provided by American Roentgen Ray Society

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