

The use of APRI and FIB-4 scores versus transient elastography (TE) for the assessment of liver fibrosis stage in patients with chronic hepatitis C (CHC): is it possible to reduce the need for elastography?

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INTRODUCTION

Liver fibrosis staging, based especially on liver stiffness (LS) measurement with TE, represents an important step during the management of chronic hepatitis C (CHC). However, TE is not widely available and there is a need for less expensive and simpler noninvasive approaches especially in terms of the hepatitis C elimination strategy worldwide

AIM

In this context the use of scoring systems such as APRI and FIB-4 has been suggested but their validation in several populations is emerging. In this study the diagnostic performance of APRI and FIB-4 to detect significant fibrosis (F3) or cirrhosis (F4) compared to TE have been evaluated in a Greek CHC cohort

METHOD

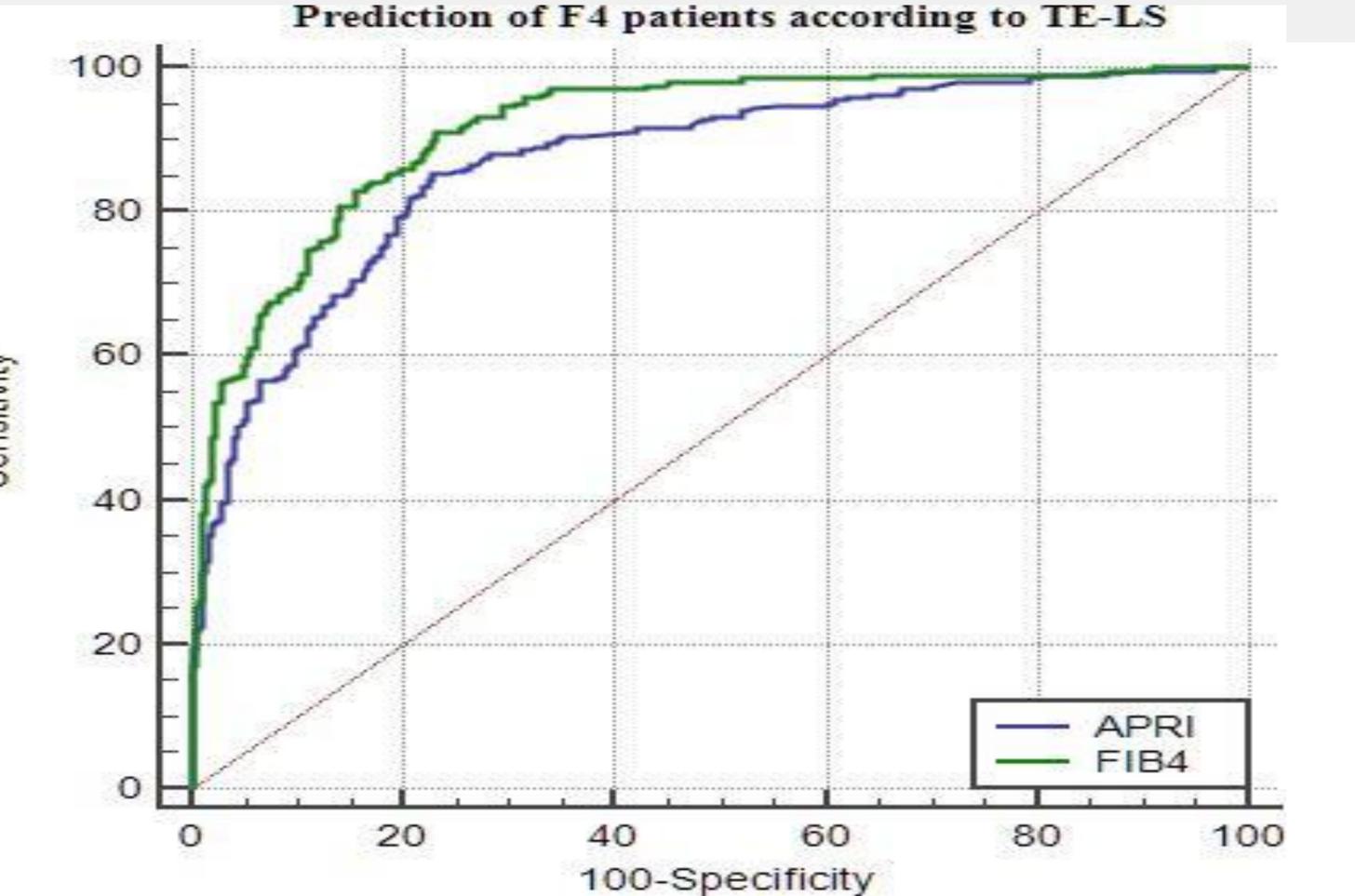
We retrospectively enrolled 575 patients admitted to our tertiary liver center with CHC who underwent TE-LS between May 2014 and September 2018. The results of APRI and FIB-4 scores were compared to TE-LS

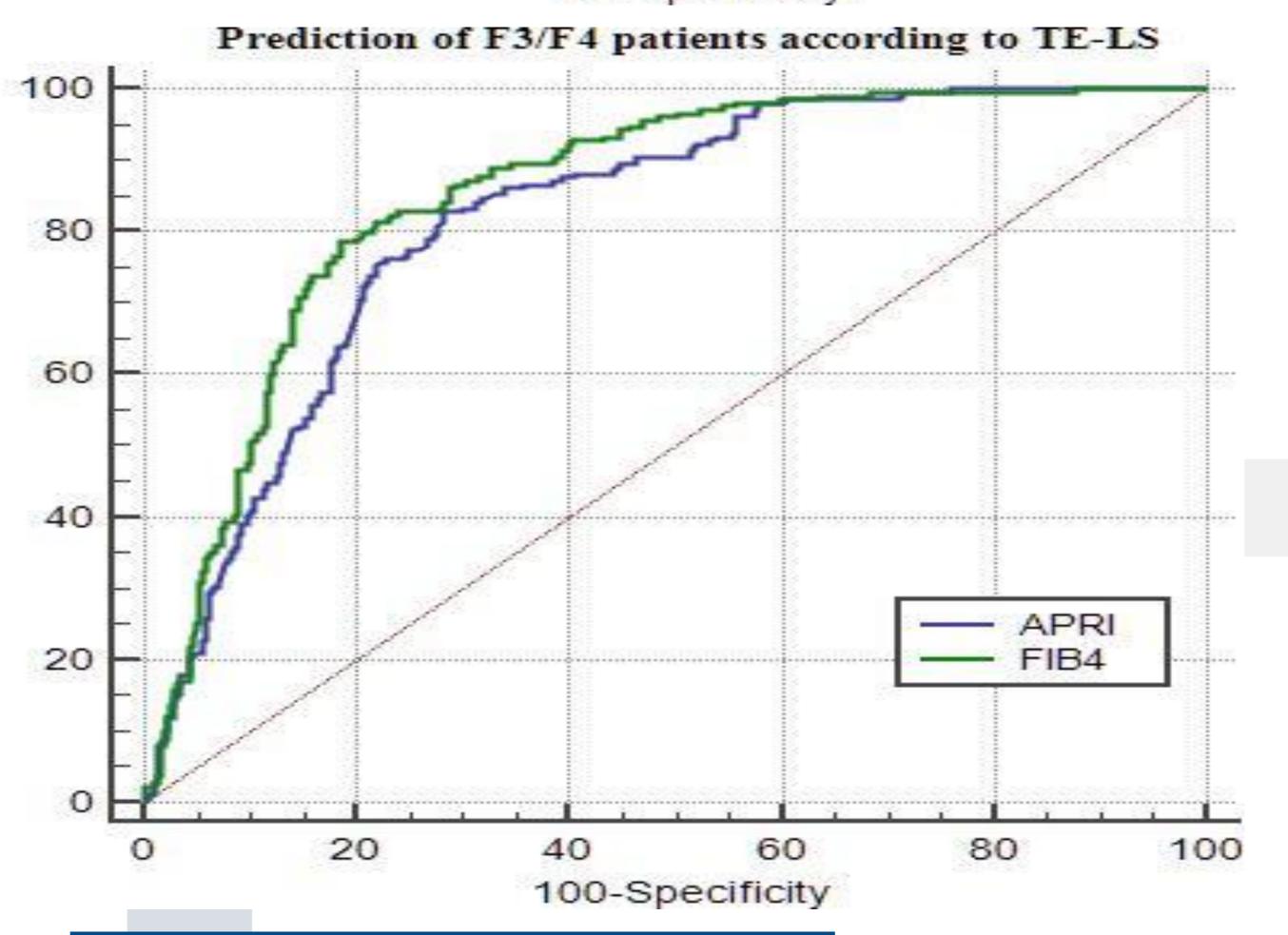
RESULTS

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CONCLUSIONS

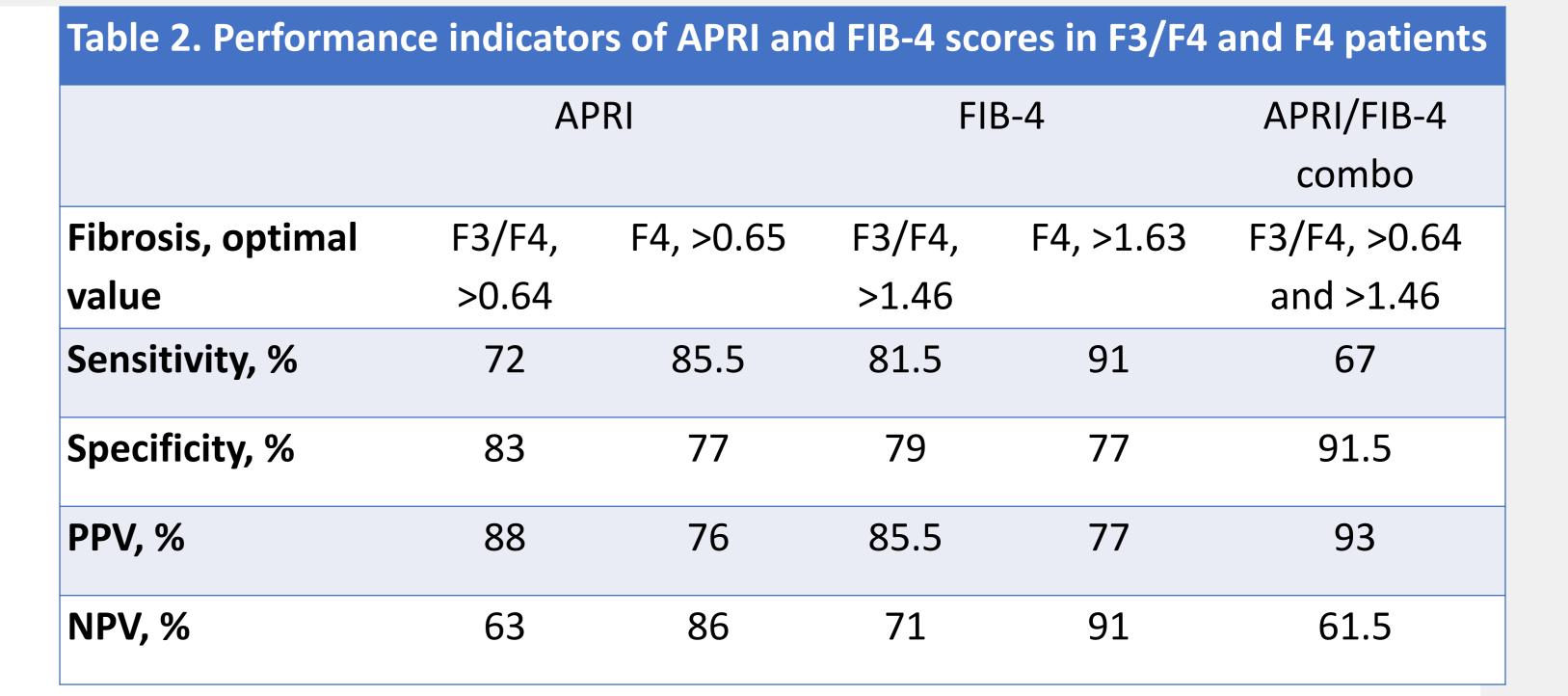
APRI and the combination of APRI/FIB-4 performed well in predicting significant fibrosis. Moreover, FIB-4 performed well in predicting cirrhosis. These noninvasive biochemical markers could be used as screening tools instead of LS which is not widely available. Further prospective validation studies are required to confirm this finding

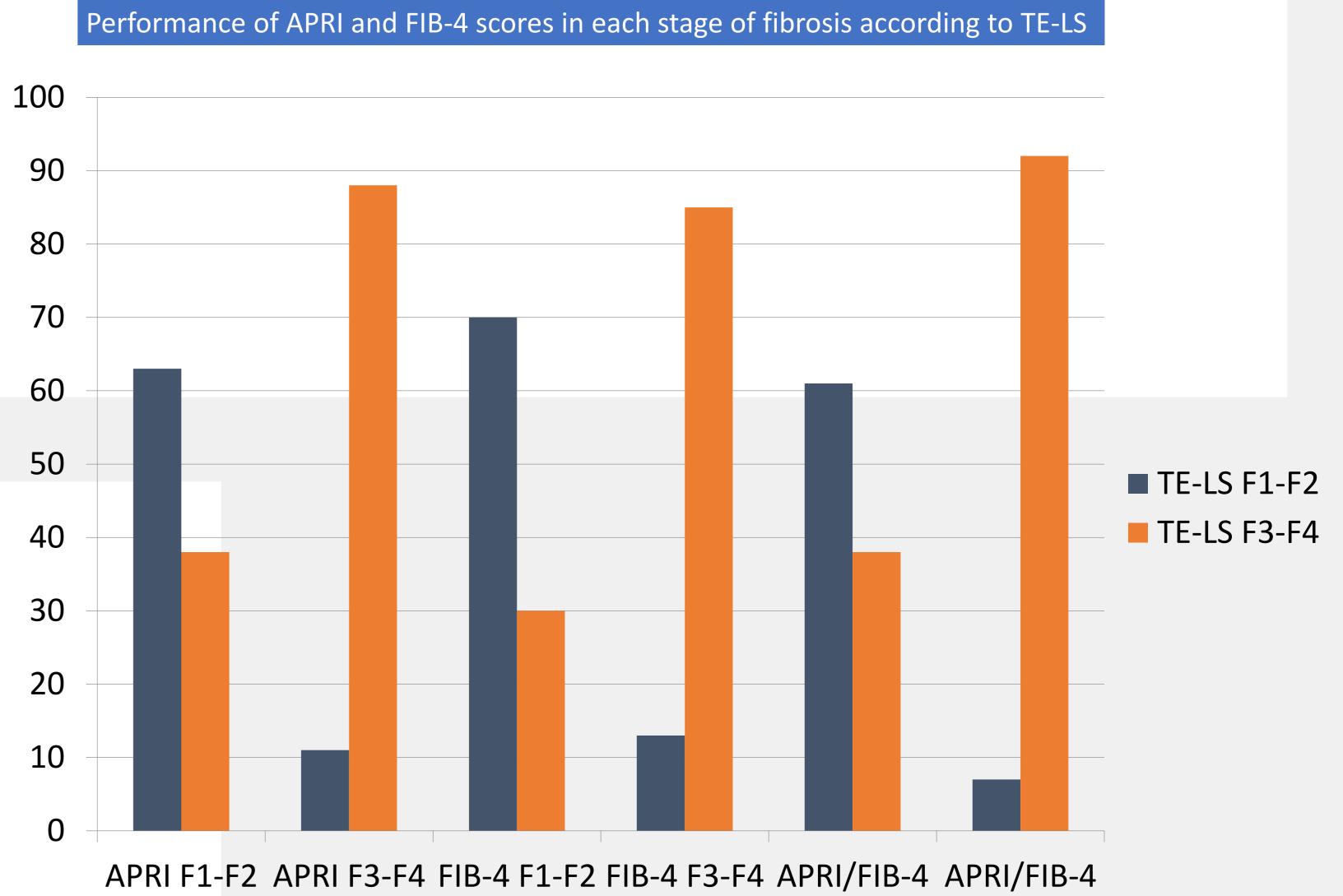




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F3-F4

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