




Les Minutes de l'AASLD 2020

Table Ronde

NIT	Abbreviation	Lower Cutoff	Upper Cutoff
Aspartate transaminase-to-platelet ratio index ¹	APRI	0.57	0.84
Enhanced liver fibrosis ²	ELF	7.7	<9.8
Fibrosis-4 ^{3,4}	FIB-4	1.30	<2.67
NAFLD fibrosis score ^{3,4}	NFS	-1.455	<0.676
Transient elastography ⁵	TE	7.9 kPa	<9.6 kPa

1. Siddiqui MS, et al. *Clin Gastroenterol Hepatol*. 2019;17:1877-1885. 2. Day J, et al. *J Applied Lab Med*. 2019;3:815-826. 3. Anstee QM, et al. *Hepatology*. 2019;70(5):1521-1530. 4. Younossi ZM et al. *Aliment Pharmacol Ther*. 2020;52:513-526. 5. Wong VWS, et al. *Hepatology*. 2010;51:454-462.

Score APRI



ASAT (SGOT) : UI/l

Plaquettes : $10^9/l$

Normale ASAT : UI/l

Si la valeur normale du laboratoire n'est pas renseignée, la valeur par défaut est de 40 UI/l

Score :

FIB-4 calculator

$$\text{FIB-4} = \frac{\text{Age (years)} \times \text{AST level (U/L)}}{\text{Platelet count (} 10^9/l \text{)} \times \sqrt{\text{ALT (U/L)}}} = \text{Result}$$

- < 1.3 Pas de fibrose
- > 1.3 (< 65 ans) risque intermédiaire
- > 2 (> 65 ans) risque intermédiaire
- > 2.67 Haut risque de fibrose

NAFLD Fibrosis Score (score d'Angulo)

NAFLD fibrosis score Online calculator

Angulo P, Hui JM, Marchesini G et al. **The NAFLD fibrosis score**
A noninvasive system that identifies liver fibrosis in patients with NAFLD
Hepatology 2007;45(4):846-854 [doi:10.1002/hep.21496](https://doi.org/10.1002/hep.21496)

Age (years)

BMI (kg/m²)

IGF/diabetes

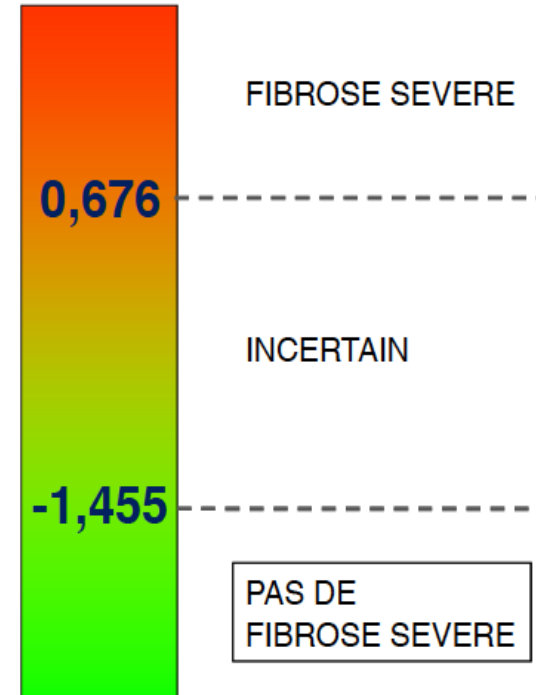
AST

ALT

Platelets (x10⁹/l)

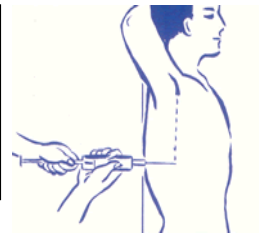
Albumin (g/l)

BMI: body mass index
IGF: impaired fasting glucose



Fibroscan[®]

Evite la biopsie
en dessous du seuil de
7,9 kPa



Evite la biopsie
en dessus du seuil de
9,6 kPa

Bien classés

FN

INDET

Bien classés

FP

97%

3%

16%

73%

27%

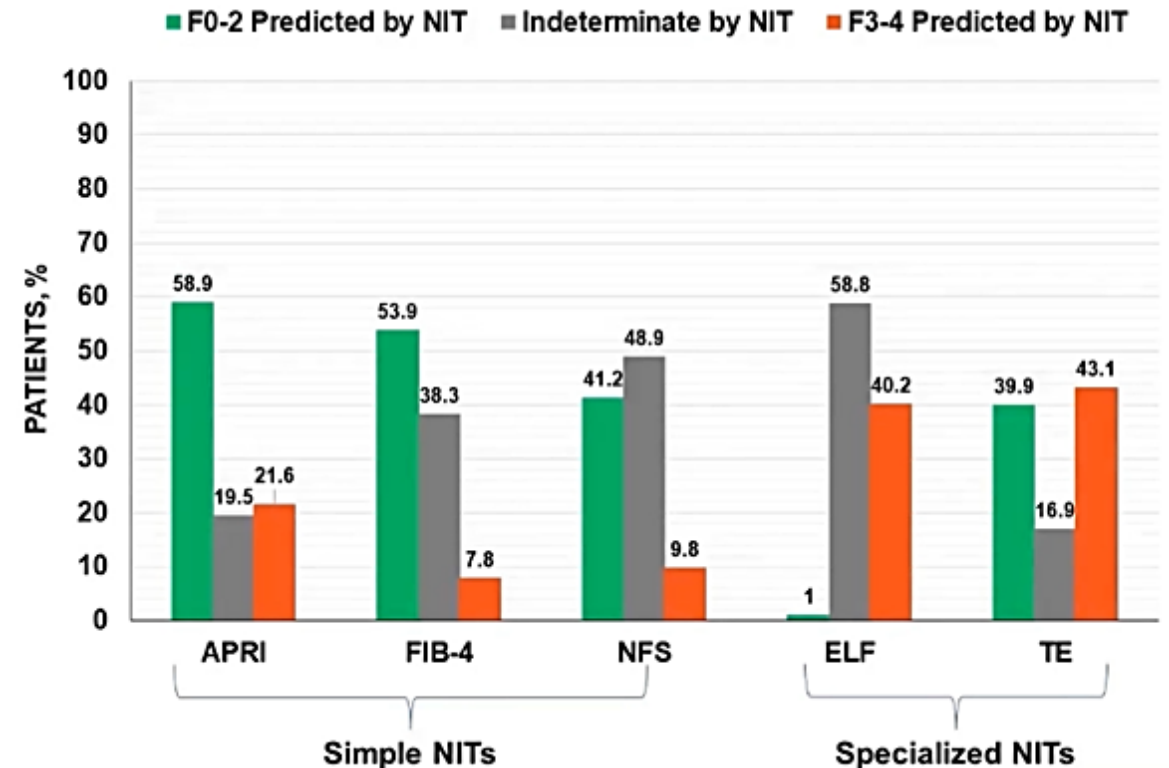
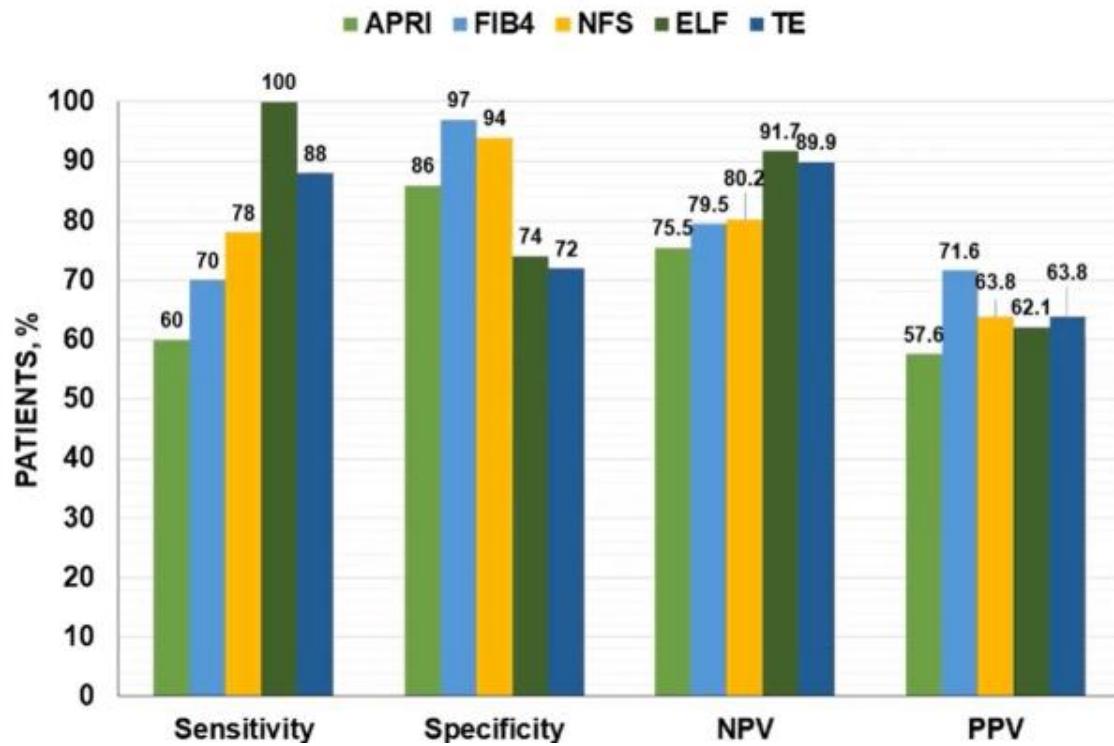
**Très bon test pour éliminer
une fibrose significative**



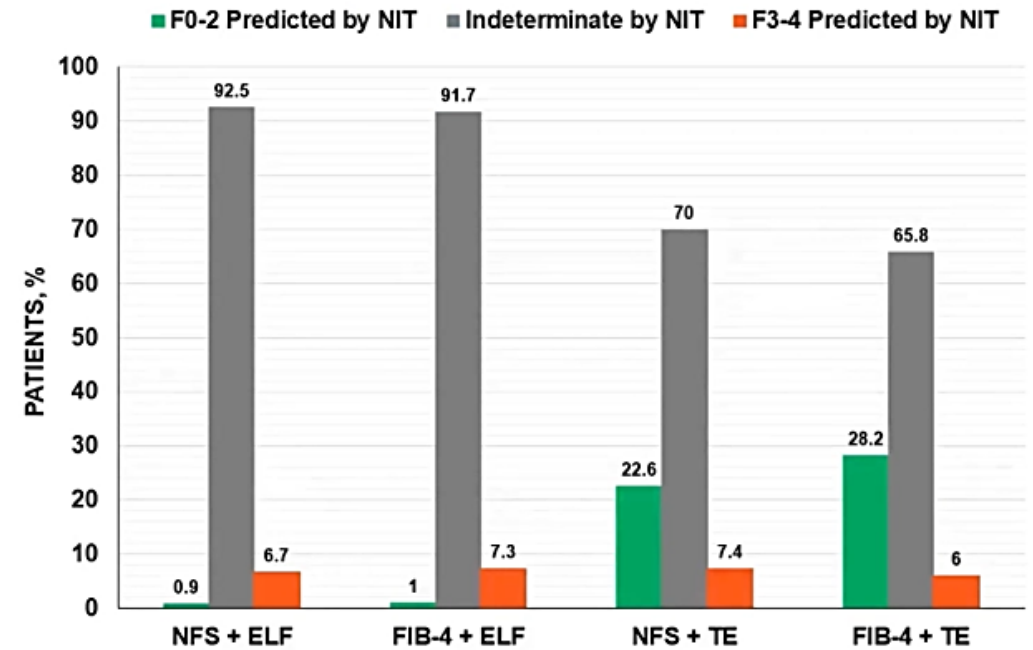
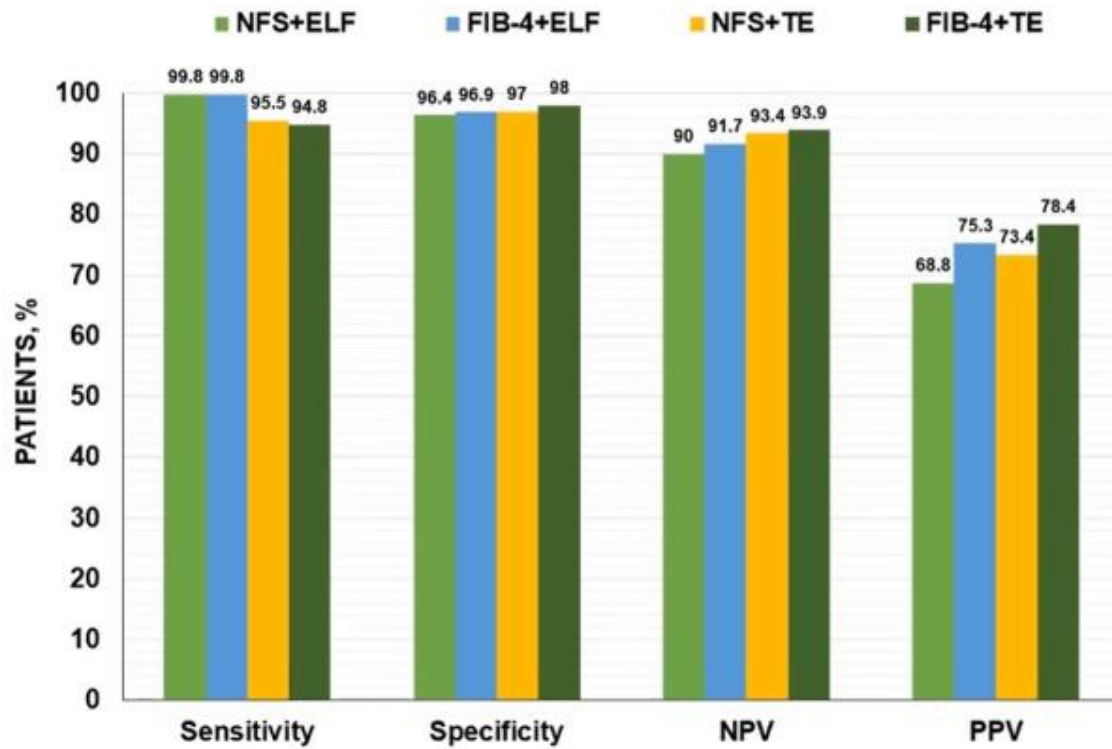
*Hepatology 2010;51:454-462
Vincent Wai-Sun Wong and al*

Performance diagnostique des tests non invasifs (TNI)

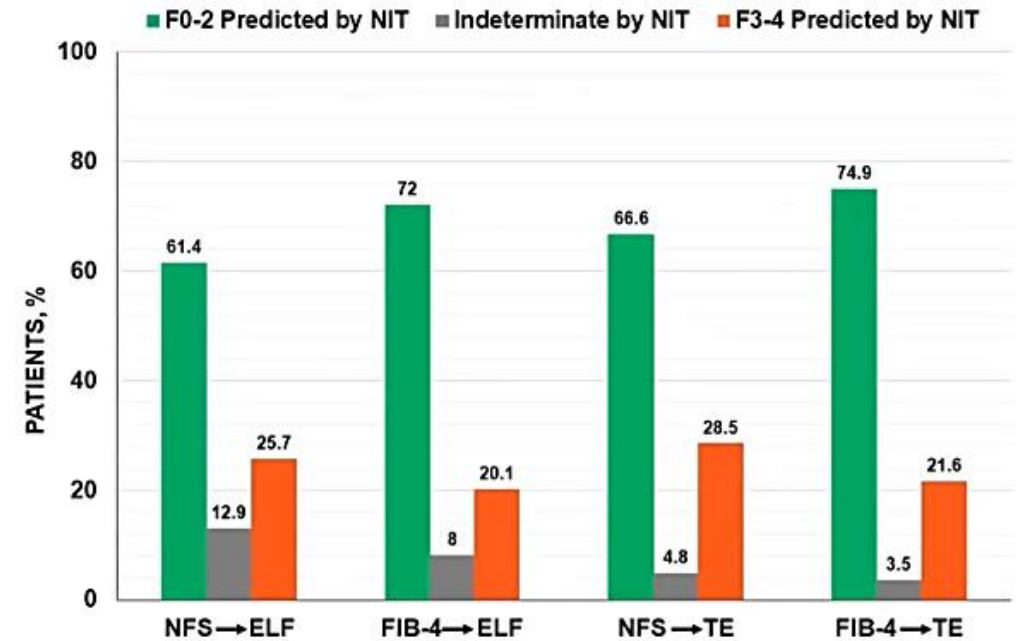
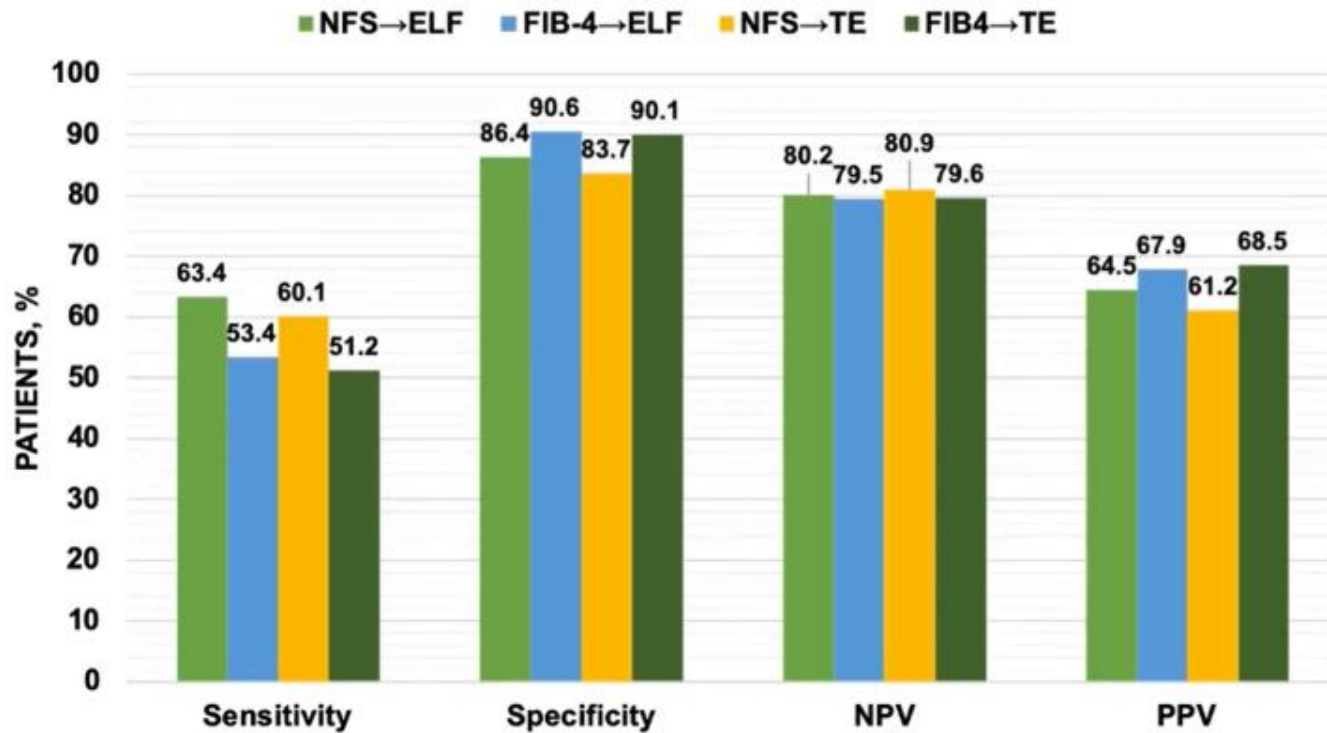
TNI unique



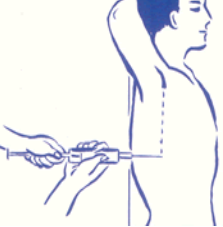
TNI simultanés



TNI séquentiels



Score FAST (Fibroscan[®] + ASAT)

Exclusion NASH < 0,49		Score NAS ≥ 4 Fibrose \geq F2 > 0,85
Bien classés FN	INDET	Bien classés FP
96% 4%	30%	69% 31%

$$\text{FAST} = \frac{e^{-1.65 + 1.07 \times \ln(\text{LSM}) + 2.66 \times 10^{-8} \times \text{CAP}^3 - 63.3 \times \text{AST}^{-1}}}{1 + e^{-1.65 + 1.07 \times \ln(\text{LSM}) + 2.66 \times 10^{-8} \times \text{CAP}^3 - 63.3 \times \text{AST}^{-1}}}$$

MyFibroScan

