

Fibrosis assessment using FibroMeter combined to first generation tests in hepatitis C.

Submitted by Beatrice Guillaumat on Tue, 02/05/2019 - 17:16

Titre	Fibrosis assessment using FibroMeter combined to first generation tests in hepatitis C.
Type de publication	Article de revue
Auteur	Chindamo, Maria Chiara [1], Boursier, Jérôme [2], Luiz, Ronir Raggio [3], Fouchard- Hubert, Isabelle [4], Pannain, Vera Lúcia Nun [5], Neto, João Marcello d [6], Coelho, Henrique Sérgio Mo [7], Perez, Renata de Mello [8], Calès, Paul [9], Villela- Nogueira, Cristiane Alves [10]
Editeur	Baishideng Publishing Group
Туре	Article scientifique dans une revue à comité de lecture
Année	2017
Langue	Anglais
Date	2017 Feb 28
Pagination	310-317
Volume	9
Titre de la revue	World J Hepatol
ISSN	1948-5182

Résumé en anglais	AIM: To evaluate the performance of FibroMeter combined to the first generation tests aspartate aminotransferase-to-platelet ratio index (APRI) or Forns index to assess significant fibrosis in chronic hepatitis C (CHC). METHODS: First generation tests APRI or Forns were initially applied in a derivation population from Rio de Janeiro in Brazil considering cut-offs previously reported in the literature to evaluate significant fibrosis. FibroMeter was sequentially applied to unclassified cases from APRI or Forns. Accuracy of non-invasive combination of tests, APRI plus FibroMeter and Forns plus FibroMeter was evaluated in the Brazilian derivation population. APRI plus FibroMeter combination was validated in a population of CHC patients from Angers in France. All patients were submitted to liver biopsy staged according to METAVIR score by experienced hepatopathologists. Significant fibrosis was considered as METAVIR F \geq 2. The fibrosis stage classification was used as the reference for accuracy evaluation of non-invasive combination of tests. Blood samples for the calculation of serum tests were collected on the same day of biopsy procedure or within a maximum 3 mo interval and stored at -70 °C. RESULTS: Seven hundred and sixty CHC patients were included (222 in the derivation population and 538 in the validation group). In the derivation population, the FibroMeter AUROC (0.769, < 0.001). The best FibroMeter cut-off to discriminate significant fibrosis was 0.61 (80% diagnostic accuracy; 75% in the validation population, = 0.134). The sequential combination of APRI or Forns with FibroMeter alone (79% 78% 80%, respectively, = 0.791). Unclassified cases of significant fibrosis and 77%, respectively, of these unclassified cases to be correctly evaluated. Moreover, this combination resulted in a reduction of FibroMeter requirement in approximately 50% of the entire sample. The stepwise combination of APRI or Forns with FibroMeter requirement in approximately 50% of the entire sample. The stepwise combination of APRI
	with no need for liver biopsy.
URL de la notice	http://okina.univ-angers.fr/publications/ua18791 [11]
DOI	10.4254/wjh.v9.i6.310 [12]
Autre titre	World J Hepatol
Identifiant (ID) PubMed	28293380 [13]

Liens

- [1] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33639
- [2] http://okina.univ-angers.fr/jerome.boursier/publications
- [3] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33640
- [4] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=21979
- [5] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33641
- [6] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33642
- [7] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33643
- [8] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33644
- [9] http://okina.univ-angers.fr/p.cales/publications
- [10] http://okina.univ-angers.fr/publications?f%5Bauthor%5D=33645

[11] http://okina.univ-angers.fr/publications/ua18791

[12] http://dx.doi.org/10.4254/wjh.v9.i6.310

[13] http://www.ncbi.nlm.nih.gov/pubmed/28293380?dopt=Abstract

Publié sur Okina (http://okina.univ-angers.fr)