

Reproducibility of blood tests of liver fibrosis in clinical practice

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Mots-cl�s	Analytical variability [16], Inter-laboratory reproducibility [17], liver fibrosis [18], Serum markers [19]
R�sum� en anglais	<p>Objectives: To evaluate the inter-laboratory reproducibility of blood test for liver fibrosis: FibroMeter, Fibrotest, APRI and their composites variables. Design and methods: Four studies, including 147 patients, were performed: study #1 included 2 metachronous blood samples and 2 laboratories; studies #2, #3 and #4 included synchronous samples with assays delayed at day 1 in 12 laboratories, at day 0 in 10 laboratories and at day 0 or 1 in 2 laboratories, respectively. Agreement was evaluated by the intraclass correlation coefficient (ric). Results: In studies #1, #2 and #4, ric for FibroMeter was 0.893, 0.942 and 0.991, respectively. In study #3, the ric were: FibroMeter: 0.963, Fibrotest: 0.984, APRI: 0.949. Large simulated variations in composite variables had a weak impact on FibroMeter. Conclusions: When blood marker limits are controlled, inter-laboratory agreement of blood tests is excellent in clinical practice conditions. Blood tests are robust against the variability of composite blood variables.</p>
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Liens

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