



Клиническое Применение iLivTouch

Обзор работ

HISKY

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U.S. FDA 510(k) Clearance

Хронические заболевания печени

Диагностика фиброза печени

| Ссылка | <p>Сравнение iLivTouch и FibroScan для стадирования фиброза при хронических заболеваниях печени: Одноцентровое проспективное исследование Юминь Сюй, Цин Се и др. Копать Печень Дис. 2019, 51(9): 1323-1329.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Цель | <p>Сравнить диагностическую точность iLivTouch и FibroScan у пациентов с хроническими заболеваниями печени (CLD) для стадирования фиброза.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Методы | <p>- 435 пациентов с ХЛЛ. - Тесты индекса (iLivTouch, FibroScan, APRI и оценка FIB-4) и эталонный стандарт (биопсия печени) были выполнены в течение одной недели.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Цифры и таблицы | <p>Table 2 Success and Reliability of the FibroTouch (Type B) and FibroScan (M Probe).</p> <table border="1"> <thead> <tr> <th>Success and Reliability</th> <th>FibroTouch</th> <th>FibroScan</th> <th>p-Value</th> </tr> </thead> <tbody> <tr> <td>All patients (n = 435)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Failure, n (%)</td> <td>0 (0%)</td> <td>4 (0.9%)</td> <td>0.12</td> </tr> <tr> <td>Poorly reliable, n (%)</td> <td>8 (1.8%)</td> <td>3 (0.7%)</td> <td>0.22</td> </tr> <tr> <td>Reliable, n (%)</td> <td>208 (47.8%)</td> <td>306 (70.0%)</td> <td><0.001</td> </tr> <tr> <td>Very reliable, n (%)</td> <td>219 (50.3%)</td> <td>122 (27.1%)</td> <td><0.001</td> </tr> <tr> <td>Measurement duration (s), median (IQR)</td> <td>48.8 (37.5, 190.4)</td> <td>118 (105, 153.5)</td> <td><0.001</td> </tr> <tr> <td>Patients with BMI ≥ 25 (n = 325)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Failure, n (%)</td> <td>0 (0%)</td> <td>2 (0.6%)</td> <td>0.50</td> </tr> <tr> <td>Poorly reliable, n (%)</td> <td>4 (1.2%)</td> <td>1 (0.3%)</td> <td>0.38</td> </tr> <tr> <td>Reliable, n (%)</td> <td>144 (44.3%)</td> <td>228 (70.2%)</td> <td><0.001</td> </tr> <tr> <td>Very reliable, n (%)</td> <td>177 (54.5%)</td> <td>94 (28.9%)</td> <td><0.001</td> </tr> <tr> <td>Measurement duration (s), median (IQR)</td> <td>47.9 (37.4, 189)</td> <td>117 (104, 153)</td> <td><0.001</td> </tr> <tr> <td>Patients with BMI < 25 (n = 110)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Failure, n (%)</td> <td>0 (0%)</td> <td>2 (1.8%)</td> <td>0.50</td> </tr> <tr> <td>Poorly reliable, n (%)</td> <td>4 (3.6%)</td> <td>2 (1.8%)</td> <td>0.60</td> </tr> <tr> <td>Reliable, n (%)</td> <td>64 (58.2%)</td> <td>78 (70.9%)</td> <td>0.07</td> </tr> <tr> <td>Very reliable, n (%)</td> <td>42 (38.2%)</td> <td>28 (25.9%)</td> <td>0.06</td> </tr> <tr> <td>Measurement duration (s), median (IQR)</td> <td>57.6 (38.5, 192.9)</td> <td>125 (109.2, 155)</td> <td><0.001</td> </tr> </tbody> </table> <p>The proportions were compared using the Chi-square test, followed by Fisher's exact test, if necessary. Failure indicates no valid measurements. Abbreviation: BMI, body mass index.</p> <p>Table 3 Diagnostic values for all patients and CHB patients generated by the FibroTouch (type B) and FibroScan (M probe).</p> <table border="1"> <thead> <tr> <th>Fibrosis Stage</th> <th>OAUC (95%CI)</th> <th>DAVA</th> <th>AdAUC (95%CI)</th> <th>Aim</th> <th>Cut-off</th> <th>Sensitivity</th> <th>Specificity</th> <th>NPV</th> <th>PPV</th> <th>Accuracy</th> </tr> </thead> <tbody> <tr> <td colspan="11">All patients (n=435)</td> </tr> <tr> <td colspan="11">FibroTouch, kPa</td> </tr> <tr> <td>≥ 52</td> <td>0.89 (0.76-0.84)</td> <td>2.1</td> <td>0.84 (0.80-0.88)</td> <td>Sensitivity ≥ 90</td> <td>≤ 5.14</td> <td>90.04%</td> <td>37.11%</td> <td>74.74%</td> <td>63.82%</td> <td>66.21%</td> </tr> <tr> <td>≥ 53</td> <td>0.88 (0.85-0.91)</td> <td>2.1</td> <td>0.82 (0.80-0.95)</td> <td>Specificity ≥ 90</td> <td>≥ 10.8</td> <td>91.87%</td> <td>92.21%</td> <td>62.03%</td> <td>87.94%</td> <td>69.20%</td> </tr> <tr> <td>≥ 54</td> <td>0.89 (0.86-0.92)</td> <td>2.1</td> <td>0.83 (0.80-0.96)</td> <td>Sensitivity ≥ 90</td> <td>≤ 8.3</td> <td>90.37%</td> <td>68.01%</td> <td>65.61%</td> <td>48.76%</td> <td>73.78%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specificity ≥ 90</td> <td>≥ 13.2</td> <td>70.80%</td> <td>90.00%</td> <td>85.51%</td> <td>71.17%</td> <td>84.83%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Sensitivity ≥ 80</td> <td>≤ 11.5</td> <td>86.37%</td> <td>78.80%</td> <td>82.34%</td> <td>36.82%</td> <td>60.00%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specificity ≥ 80</td> <td>≥ 18.2</td> <td>66.04%</td> <td>90.03%</td> <td>95.01%</td> <td>47.30%</td> <td>86.90%</td> </tr> <tr> <td colspan="11">FibroScan, kPa</td> </tr> <tr> <td>≥ 52</td> <td>0.82 (0.78-0.86)</td> <td>2.1</td> <td>0.86 (0.82-0.95)</td> <td>Sensitivity ≥ 90</td> <td>≤ 5.8</td> <td>90.04%</td> <td>48.01%</td> <td>79.65%</td> <td>67.81%</td> <td>70.90%</td> </tr> <tr> <td>≥ 53</td> <td>0.87 (0.83-0.90)</td> 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<tr> <td>≥ 52</td> <td>0.77 (0.71-0.82)</td> <td>2.31</td> <td>0.80 (0.74-0.85)</td> <td>Sensitivity ≥ 90</td> <td>≤ 5.8</td> <td>90.32%</td> <td>30.97%</td> <td>75.60%</td> <td>61.04%</td> <td>63.23%</td> </tr> <tr> <td>≥ 53</td> <td>0.82 (0.82-0.91)</td> <td>2.31</td> <td>0.80 (0.80-0.94)</td> <td>Specificity ≥ 90</td> <td>≥ 10.2</td> <td>41.94%</td> <td>90.27%</td> <td>61.54%</td> <td>83.95%</td> <td>69.89%</td> </tr> <tr> <td>≥ 54</td> <td>0.89 (0.85-0.92)</td> <td>2.31</td> <td>0.83 (0.80-0.96)</td> <td>Sensitivity ≥ 90</td> <td>≤ 7.6</td> <td>91.23%</td> <td>62.78%</td> <td>97.37%</td> <td>44.08%</td> <td>67.36%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specificity ≥ 90</td> <td>≥ 10.7</td> <td>66.67%</td> <td>90%</td> <td>62.61%</td> <td>61.22%</td> <td>61.61%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Sensitivity ≥ 80</td> <td>≤ 8.1</td> <td>92.86%</td> <td>61.72%</td> <td>99.04%</td> <td>22.37%</td> <td>38.31%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specificity ≥ 80</td> <td>≥ 13.3</td> <td>78.37%</td> <td>90.43%</td> <td>91.79%</td> <td>38.98%</td> <td>81.84%</td> </tr> <tr> <td colspan="11">FibroScan, kPa</td> </tr> <tr> <td>≥ 52</td> <td>0.81 (0.75-0.86)</td> <td>2.31</td> <td>0.84 (0.78-0.89)</td> <td>Sensitivity ≥ 90</td> <td>≤ 5.8</td> <td>91.23%</td> <td>51.32%</td> <td>79.62%</td> <td>67.81%</td> <td>70.90%</td> </tr> <tr> <td>≥ 53</td> <td>0.88 (0.83-0.91)</td> <td>2.31</td> <td>0.91 (0.80-0.94)</td> <td>Specificity ≥ 90</td> <td>≥ 10</td> <td>42.34%</td> <td>91.15%</td> <td>63.09%</td> <td>87.50%</td> <td>71.50%</td> </tr> <tr> <td>≥ 54</td> <td>0.94 (0.91-0.97)</td> <td>2.31</td> <td>0.97 (0.94-1.00)</td> <td>Sensitivity ≥ 90</td> <td>≤ 6.9</td> <td>91.23%</td> <td>61.67%</td> <td>95.42%</td> <td>41.62%</td> <td>63.11%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specificity ≥ 90</td> <td>≥ 10.3</td> <td>68.42%</td> <td>90%</td> <td>61.67%</td> <td>62.54%</td> <td>61.90%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Sensitivity ≥ 80</td> <td>≤ 8.1</td> <td>92.86%</td> <td>77.90%</td> <td>99.30%</td> <td>30.91%</td> <td>73.27%</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Specificity ≥ 80</td> <td>≥ 11.3</td> <td>78.57%</td> <td>90.43%</td> <td>97.46%</td> <td>37.82%</td> <td>81.11%</td> </tr> </tbody> </table> <p>Abbreviations: OAUC, observed area under the receiver operating characteristic curve; DAVA, difference between advanced and non-advanced fibrosis; AdAUC, adjusted area under the receiver operating characteristic curve; NPV, negative predictive value; PPV, positive predictive value; CI, confidence interval; CHB, chronic hepatitis B.</p> <p>Figure 3: Optimal cut-off values of LS for all (A) and CHB (B) patients generated by the FibroTouch and FibroScan.</p> | Success and Reliability | FibroTouch | FibroScan | p-Value | All patients (n = 435) | | | | Failure, n (%) | 0 (0%) | 4 (0.9%) | 0.12 | Poorly reliable, n (%) | 8 (1.8%) | 3 (0.7%) | 0.22 | Reliable, n (%) | 208 (47.8%) | 306 (70.0%) | <0.001 | Very reliable, n (%) | 219 (50.3%) | 122 (27.1%) | <0.001 | Measurement duration (s), median (IQR) | 48.8 (37.5, 190.4) | 118 (105, 153.5) | <0.001 | Patients with BMI ≥ 25 (n = 325) | | | | Failure, n (%) | 0 (0%) | 2 (0.6%) | 0.50 | Poorly reliable, n (%) | 4 (1.2%) | 1 (0.3%) | 0.38 | Reliable, n (%) | 144 (44.3%) | 228 (70.2%) | <0.001 | Very reliable, n (%) | 177 (54.5%) | 94 (28.9%) | <0.001 | Measurement duration (s), median (IQR) | 47.9 (37.4, 189) | 117 (104, 153) | <0.001 | Patients with BMI < 25 (n = 110) | | | | Failure, n (%) | 0 (0%) | 2 (1.8%) | 0.50 | Poorly reliable, n (%) | 4 (3.6%) | 2 (1.8%) | 0.60 | Reliable, n (%) | 64 (58.2%) | 78 (70.9%) | 0.07 | Very reliable, n (%) | 42 (38.2%) | 28 (25.9%) | 0.06 | Measurement duration (s), median (IQR) | 57.6 (38.5, 192.9) | 125 (109.2, 155) | <0.001 | Fibrosis Stage | OAUC (95%CI) | DAVA | AdAUC (95%CI) | Aim | Cut-off | Sensitivity | Specificity | NPV | PPV | Accuracy | All patients (n=435) | | | | | | | | | | | FibroTouch, kPa | | | | | | | | | | | ≥ 52 | 0.89 (0.76-0.84) | 2.1 | 0.84 (0.80-0.88) | Sensitivity ≥ 90 | ≤ 5.14 | 90.04% | 37.11% | 74.74% | 63.82% | 66.21% | ≥ 53 | 0.88 (0.85-0.91) | 2.1 | 0.82 (0.80-0.95) | Specificity ≥ 90 | ≥ 10.8 | 91.87% | 92.21% | 62.03% | 87.94% | 69.20% | ≥ 54 | 0.89 (0.86-0.92) | 2.1 | 0.83 (0.80-0.96) | Sensitivity ≥ 90 | ≤ 8.3 | 90.37% | 68.01% | 65.61% | 48.76% | 73.78% | | | | | Specificity ≥ 90 | ≥ 13.2 | 70.80% | 90.00% | 85.51% | 71.17% | 84.83% | | | | | Sensitivity ≥ 80 | ≤ 11.5 | 86.37% | 78.80% | 82.34% | 36.82% | 60.00% | | | | | Specificity ≥ 80 | ≥ 18.2 | 66.04% | 90.03% | 95.01% | 47.30% | 86.90% | FibroScan, kPa | | | | | | | | | | | ≥ 52 | 0.82 (0.78-0.86) | 2.1 | 0.86 (0.82-0.95) | Sensitivity ≥ 90 | ≤ 5.8 | 90.04% | 48.01% | 79.65% | 67.81% | 70.90% | ≥ 53 | 0.87 (0.83-0.90) | 2.1 | 0.91 (0.87-0.94) | Specificity ≥ 90 | ≥ 10 | 55.18% | 90.21% | 62.09% | 87.50% | 71.50% | ≥ 54 | 0.92 (0.88-0.94) | 2.1 | 0.96 (0.92-0.98) | Sensitivity ≥ 90 | ≤ 8.3 | 90.37% | 71.12% | 65.38% | 52.31% | 75.98% | | | | | Specificity ≥ 90 | ≥ 11.8 | 68.14% | 90.00% | 88.89% | 70.64% | 84.30% | | | | | Sensitivity ≥ 80 | ≤ 10.4 | 86.37% | 76.70% | 86.39% | 35.84% | 78.89% | | | | | Specificity ≥ 80 | ≥ 16.5 | 66.04% | 90.05% | 95.00% | 47.95% | 87.07% | CHB patients (n=237) | | | | | | | | | | | FibroTouch, kPa | | | | | | | | | | | ≥ 52 | 0.77 (0.71-0.82) | 2.31 | 0.80 (0.74-0.85) | Sensitivity ≥ 90 | ≤ 5.8 | 90.32% | 30.97% | 75.60% | 61.04% | 63.23% | ≥ 53 | 0.82 (0.82-0.91) | 2.31 | 0.80 (0.80-0.94) | Specificity ≥ 90 | ≥ 10.2 | 41.94% | 90.27% | 61.54% | 83.95% | 69.89% | ≥ 54 | 0.89 (0.85-0.92) | 2.31 | 0.83 (0.80-0.96) | Sensitivity ≥ 90 | ≤ 7.6 | 91.23% | 62.78% | 97.37% | 44.08% | 67.36% | | | | | Specificity ≥ 90 | ≥ 10.7 | 66.67% | 90% | 62.61% | 61.22% | 61.61% | | | | | Sensitivity ≥ 80 | ≤ 8.1 | 92.86% | 61.72% | 99.04% | 22.37% | 38.31% | | | | | Specificity ≥ 80 | ≥ 13.3 | 78.37% | 90.43% | 91.79% | 38.98% | 81.84% | FibroScan, kPa | | | | | | | | | | | ≥ 52 | 0.81 (0.75-0.86) | 2.31 | 0.84 (0.78-0.89) | Sensitivity ≥ 90 | ≤ 5.8 | 91.23% | 51.32% | 79.62% | 67.81% | 70.90% | ≥ 53 | 0.88 (0.83-0.91) | 2.31 | 0.91 (0.80-0.94) | Specificity ≥ 90 | ≥ 10 | 42.34% | 91.15% | 63.09% | 87.50% | 71.50% | ≥ 54 | 0.94 (0.91-0.97) | 2.31 | 0.97 (0.94-1.00) | Sensitivity ≥ 90 | ≤ 6.9 | 91.23% | 61.67% | 95.42% | 41.62% | 63.11% | | | | | Specificity ≥ 90 | ≥ 10.3 | 68.42% | 90% | 61.67% | 62.54% | 61.90% | | | | | Sensitivity ≥ 80 | ≤ 8.1 | 92.86% | 77.90% | 99.30% | 30.91% | 73.27% | | | | | Specificity ≥ 80 | ≥ 11.3 | 78.57% | 90.43% | 97.46% | 37.82% | 81.11% |
| Success and Reliability | FibroTouch | FibroScan | p-Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| All patients (n = 435) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failure, n (%) | 0 (0%) | 4 (0.9%) | 0.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poorly reliable, n (%) | 8 (1.8%) | 3 (0.7%) | 0.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reliable, n (%) | 208 (47.8%) | 306 (70.0%) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Very reliable, n (%) | 219 (50.3%) | 122 (27.1%) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Measurement duration (s), median (IQR) | 48.8 (37.5, 190.4) | 118 (105, 153.5) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Patients with BMI ≥ 25 (n = 325) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failure, n (%) | 0 (0%) | 2 (0.6%) | 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poorly reliable, n (%) | 4 (1.2%) | 1 (0.3%) | 0.38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reliable, n (%) | 144 (44.3%) | 228 (70.2%) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Very reliable, n (%) | 177 (54.5%) | 94 (28.9%) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Measurement duration (s), median (IQR) | 47.9 (37.4, 189) | 117 (104, 153) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Patients with BMI < 25 (n = 110) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failure, n (%) | 0 (0%) | 2 (1.8%) | 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poorly reliable, n (%) | 4 (3.6%) | 2 (1.8%) | 0.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reliable, n (%) | 64 (58.2%) | 78 (70.9%) | 0.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Very reliable, n (%) | 42 (38.2%) | 28 (25.9%) | 0.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Measurement duration (s), median (IQR) | 57.6 (38.5, 192.9) | 125 (109.2, 155) | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis Stage | OAUC (95%CI) | DAVA | AdAUC (95%CI) | Aim | Cut-off | Sensitivity | Specificity | NPV | PPV | Accuracy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| All patients (n=435) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FibroTouch, kPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 52 | 0.89 (0.76-0.84) | 2.1 | 0.84 (0.80-0.88) | Sensitivity ≥ 90 | ≤ 5.14 | 90.04% | 37.11% | 74.74% | 63.82% | 66.21% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 53 | 0.88 (0.85-0.91) | 2.1 | 0.82 (0.80-0.95) | Specificity ≥ 90 | ≥ 10.8 | 91.87% | 92.21% | 62.03% | 87.94% | 69.20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 54 | 0.89 (0.86-0.92) | 2.1 | 0.83 (0.80-0.96) | Sensitivity ≥ 90 | ≤ 8.3 | 90.37% | 68.01% | 65.61% | 48.76% | 73.78% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 90 | ≥ 13.2 | 70.80% | 90.00% | 85.51% | 71.17% | 84.83% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Sensitivity ≥ 80 | ≤ 11.5 | 86.37% | 78.80% | 82.34% | 36.82% | 60.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 80 | ≥ 18.2 | 66.04% | 90.03% | 95.01% | 47.30% | 86.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FibroScan, kPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 52 | 0.82 (0.78-0.86) | 2.1 | 0.86 (0.82-0.95) | Sensitivity ≥ 90 | ≤ 5.8 | 90.04% | 48.01% | 79.65% | 67.81% | 70.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 53 | 0.87 (0.83-0.90) | 2.1 | 0.91 (0.87-0.94) | Specificity ≥ 90 | ≥ 10 | 55.18% | 90.21% | 62.09% | 87.50% | 71.50% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 54 | 0.92 (0.88-0.94) | 2.1 | 0.96 (0.92-0.98) | Sensitivity ≥ 90 | ≤ 8.3 | 90.37% | 71.12% | 65.38% | 52.31% | 75.98% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 90 | ≥ 11.8 | 68.14% | 90.00% | 88.89% | 70.64% | 84.30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Sensitivity ≥ 80 | ≤ 10.4 | 86.37% | 76.70% | 86.39% | 35.84% | 78.89% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 80 | ≥ 16.5 | 66.04% | 90.05% | 95.00% | 47.95% | 87.07% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHB patients (n=237) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FibroTouch, kPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 52 | 0.77 (0.71-0.82) | 2.31 | 0.80 (0.74-0.85) | Sensitivity ≥ 90 | ≤ 5.8 | 90.32% | 30.97% | 75.60% | 61.04% | 63.23% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 53 | 0.82 (0.82-0.91) | 2.31 | 0.80 (0.80-0.94) | Specificity ≥ 90 | ≥ 10.2 | 41.94% | 90.27% | 61.54% | 83.95% | 69.89% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 54 | 0.89 (0.85-0.92) | 2.31 | 0.83 (0.80-0.96) | Sensitivity ≥ 90 | ≤ 7.6 | 91.23% | 62.78% | 97.37% | 44.08% | 67.36% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 90 | ≥ 10.7 | 66.67% | 90% | 62.61% | 61.22% | 61.61% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Sensitivity ≥ 80 | ≤ 8.1 | 92.86% | 61.72% | 99.04% | 22.37% | 38.31% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 80 | ≥ 13.3 | 78.37% | 90.43% | 91.79% | 38.98% | 81.84% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FibroScan, kPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 52 | 0.81 (0.75-0.86) | 2.31 | 0.84 (0.78-0.89) | Sensitivity ≥ 90 | ≤ 5.8 | 91.23% | 51.32% | 79.62% | 67.81% | 70.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 53 | 0.88 (0.83-0.91) | 2.31 | 0.91 (0.80-0.94) | Specificity ≥ 90 | ≥ 10 | 42.34% | 91.15% | 63.09% | 87.50% | 71.50% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 54 | 0.94 (0.91-0.97) | 2.31 | 0.97 (0.94-1.00) | Sensitivity ≥ 90 | ≤ 6.9 | 91.23% | 61.67% | 95.42% | 41.62% | 63.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 90 | ≥ 10.3 | 68.42% | 90% | 61.67% | 62.54% | 61.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Sensitivity ≥ 80 | ≤ 8.1 | 92.86% | 77.90% | 99.30% | 30.91% | 73.27% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Specificity ≥ 80 | ≥ 11.3 | 78.57% | 90.43% | 97.46% | 37.82% | 81.11% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Результат | <p>- AUROC iLivTouch был аналогичен FibroScan для диагностики значительного фиброза, тяжелого фиброза или цирроза печени; AUROC iLivTouch был выше, чем у APRI или FIB-4 ($p < 0,001$). Была выявлена значимая корреляция ($\rho = 0,85$, $p < 0,001$) между iLivTouch и FibroScan для жесткости печени. - Общая диагностическая точность iLivTouch при значительном фиброзе, тяжелом фиброзе или циррозе была 73,3%, 83,2% или 84,1% соответственно. Нет существенных различий между iLivTouch и FibroScan в отношении чувствительности, специфичности, отрицательной прогностической ценности, положительной прогностической ценности и точности. - Оптимальные значения отсечения для каждой стадии фиброза были одинаковыми между iLivTouch и FibroScan.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Заключение | <p>iLivTouch является ценным диагностическим инструментом для диагностики фиброза печени с хорошей диагностической точностью, которая была сопоставима с точностью FibroScan, но превосходит таковую APRI и FIB-4.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

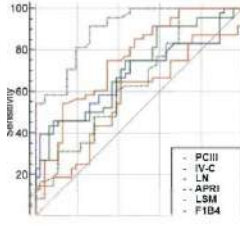
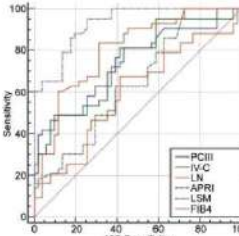
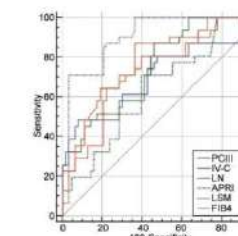
Неалкогольная жировая болезнь печени

Диагностика стеатоза печени

| Ссылка | Эталонная неинвазивная диагностика стеатоза печени с использованием параметра ослабления жира, измеренного с помощью iLivTouch, и нового алгоритма у пациентов с ХГВ Hong Deng, ZhiLiang Gao, et al. Hepat Mon, 2016 September, 16(9), e40263. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--|-------|--------------|----------|---------------------------|---------|---------------------------|-------|-------|--------|--------|--------|--------|-----|-----|-------|-------------|----------|---------|-------|-------|------|------|------|------|------|-------|-------------|----------|---------|-------|-------|------|-------|------|------|------|-------|-------------|----------|---------|-------|-------|------|------|------|------|------|-------|-------------|----------|---------|--------|-------|-------|-------|------|-------|-------------|-----|-------|-------------|----------|-----|-------|-------|------|------|------|------|
| Цель | <ul style="list-style-type: none"> - Оценка диагностических характеристик параметра ослабления жира (UAP), измеренного с помощью iLivTouch. - Новый алгоритм оценки стеатоза печени у пациентов с ХГВ по сравнению с биопсией печени. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Методы | <ul style="list-style-type: none"> - Показатели UAP и жирового индекса были оценены при помощи AUROC. - 254 пациентам с ХГВ была проведена одновременная биопсия печени, биохимическое исследование крови, исследование iLivTouch. - Новый алгоритм, основанный на четырех факторах (UAP; индекс массы тела, ИМТ; липопротеины высокой плотности, ЛПВП; аполипопротеин В, АПОВ) определялся следующим образом: жировой индекс=10*ep/(1+ep) и P=-2,75+0,028 В UAP (дБ/м)+0,409 ИМТ (Кг/м2)-2,482 ЛПВП (ммоль/Л)+1,979 АПОБ (г/Л). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Цифры и таблицы | <p>Figure 1. Boxplots Showing FAP According to Hepatic Steatosis Stage</p> <table border="1"> <thead> <tr> <th></th> <th>Steatosis, %</th> <th>AUROC</th> <th>95% CI</th> <th>P Value</th> <th>Cutoff Value^a</th> <th>Sc, %</th> <th>Sp, %</th> <th>LR+</th> <th>LR-</th> <th>PPV, %</th> <th>NPV, %</th> </tr> </thead> <tbody> <tr> <td rowspan="4">FAP</td> <td>≥ 5</td> <td>0.833</td> <td>0.758-0.885</td> <td>< 0.0001</td> <td>> 234.1</td> <td>82.46</td> <td>68.70</td> <td>2.63</td> <td>0.26</td> <td>56.6</td> <td>88.8</td> </tr> <tr> <td>≥ 10</td> <td>0.925</td> <td>0.874-0.959</td> <td>< 0.0001</td> <td>> 234.3</td> <td>94.44</td> <td>77.27</td> <td>4.36</td> <td>0.072</td> <td>32.7</td> <td>95.2</td> </tr> <tr> <td>≥ 20</td> <td>0.967</td> <td>0.895-0.994</td> <td>< 0.0001</td> <td>> 246.9</td> <td>87.50</td> <td>84.85</td> <td>5.52</td> <td>0.85</td> <td>21.2</td> <td>95.3</td> </tr> <tr> <td>≥ 30</td> <td>0.972</td> <td>0.935-0.991</td> <td>< 0.0001</td> <td>> 261.2</td> <td>100.00</td> <td>93.45</td> <td>15.27</td> <td>0.001</td> <td>26.7</td> <td>100.0</td> </tr> <tr> <td>Fatty index</td> <td>> 0</td> <td>0.807</td> <td>0.740-0.863</td> <td>< 0.0001</td> <td>1.5</td> <td>77.89</td> <td>76.52</td> <td>3.29</td> <td>0.39</td> <td>62.0</td> <td>87.1</td> </tr> </tbody> </table> | | Steatosis, % | AUROC | 95% CI | P Value | Cutoff Value ^a | Sc, % | Sp, % | LR+ | LR- | PPV, % | NPV, % | FAP | ≥ 5 | 0.833 | 0.758-0.885 | < 0.0001 | > 234.1 | 82.46 | 68.70 | 2.63 | 0.26 | 56.6 | 88.8 | ≥ 10 | 0.925 | 0.874-0.959 | < 0.0001 | > 234.3 | 94.44 | 77.27 | 4.36 | 0.072 | 32.7 | 95.2 | ≥ 20 | 0.967 | 0.895-0.994 | < 0.0001 | > 246.9 | 87.50 | 84.85 | 5.52 | 0.85 | 21.2 | 95.3 | ≥ 30 | 0.972 | 0.935-0.991 | < 0.0001 | > 261.2 | 100.00 | 93.45 | 15.27 | 0.001 | 26.7 | 100.0 | Fatty index | > 0 | 0.807 | 0.740-0.863 | < 0.0001 | 1.5 | 77.89 | 76.52 | 3.29 | 0.39 | 62.0 | 87.1 |
| | Steatosis, % | AUROC | 95% CI | P Value | Cutoff Value ^a | Sc, % | Sp, % | LR+ | LR- | PPV, % | NPV, % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FAP | ≥ 5 | 0.833 | 0.758-0.885 | < 0.0001 | > 234.1 | 82.46 | 68.70 | 2.63 | 0.26 | 56.6 | 88.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≥ 10 | 0.925 | 0.874-0.959 | < 0.0001 | > 234.3 | 94.44 | 77.27 | 4.36 | 0.072 | 32.7 | 95.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≥ 20 | 0.967 | 0.895-0.994 | < 0.0001 | > 246.9 | 87.50 | 84.85 | 5.52 | 0.85 | 21.2 | 95.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≥ 30 | 0.972 | 0.935-0.991 | < 0.0001 | > 261.2 | 100.00 | 93.45 | 15.27 | 0.001 | 26.7 | 100.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fatty index | > 0 | 0.807 | 0.740-0.863 | < 0.0001 | 1.5 | 77.89 | 76.52 | 3.29 | 0.39 | 62.0 | 87.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Результат | <ul style="list-style-type: none"> - Разница в UAP была значительной ($P < 0.001$) между пациентами только с СНВ и пациентами СНВ с печеночным стеатозом - Оптимальные значения среза UAP для стеатоза печени $> 0, 5\%, 10\%, 20\%$ и 30% были 224.1, 230.6, 235.5, 246.9, и 261,1 дБ/м, а AUROC составляла 0,833, 0,801, 0,915, 0,917 и 0,972 соответственно. - Оптимальное значение среза жирового индекса для диагностики стеатоза печени составляло 1,5, а AUROC был 0.807. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Заключение | UAP-это точный, надежный и неинвазивный подход, который также может быть объединен с другими метаболическими биомаркерами для всестороннего выявления и количественной оценки стеатоза печени. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

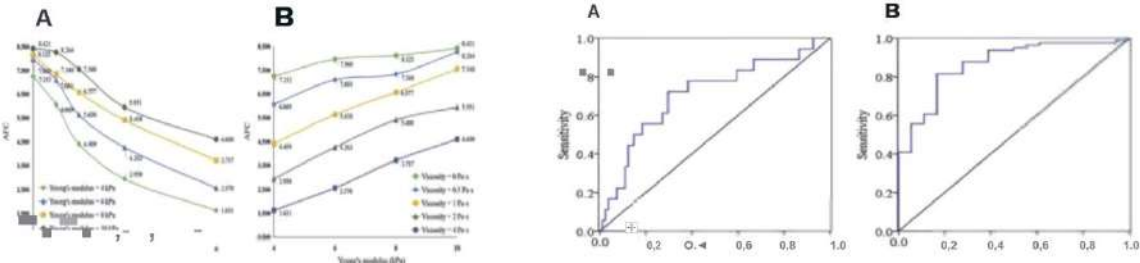
Хронические заболевания печени

Диагностика фиброза печени

| Ссылка | <p>Диагностическая ценность различных неинвазивных показателей в диагнозе хронического фиброза печени X.Z. YANG и др. Европейский обзор медицинских и фармакологических наук, 2018, 22: 479-485.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Цель | <p>Оценить диагностическую ценность различных неинвазивных индикаторов фиброза печени у пациентов с хроническим заболеванием печени.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Методы | <p>- 95 пациентов с биопсией печени. Были собраны данные о стандартных клинических и лабораторных исследованиях, включая возраст, пол, привычный образ жизни, биохимию, фиброз сыворотки и iLivTouch. - Были рассчитаны баллы APRI и FIB4. - Пациенты были сгруппированы в соответствии с патологической стадией печени для анализа корреляции между фиброзом, APRI, показателем FIB4 и iLivTouch. - Характеристики S2, S3 и S4 были проанализированы для расчета площади под кривой</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Цифры и таблицы | <div style="display: flex; justify-content: space-around;">    </div> <p style="text-align: center; font-size: small;">Рисунок 3. Интегральная ROC = A4</p> <table border="1" style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Item</th> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> </tr> </thead> <tbody> <tr> <td>APRI</td> <td>1.06 ± 0.20</td> <td>0.75 ± 0.09*</td> <td>1.06 ± 0.33**</td> <td>1.57 ± 0.52***</td> <td>1.66 ± 0.36***</td> </tr> <tr> <td>LSM</td> <td>6.80 ± 1.86</td> <td>6.44 ± 2.25*</td> <td>6.23 ± 1.67**</td> <td>6.84 ± 2.16***</td> <td>8.97 ± 1.96***</td> </tr> <tr> <td>ALT</td> <td>77.68 ± 10.46</td> <td>82.93 ± 13.95</td> <td>88.60 ± 32.68</td> <td>96.17 ± 21.49</td> <td>61.84 ± 8.24</td> </tr> <tr> <td>AST</td> <td>53.11 ± 6.9</td> <td>53.61 ± 9.07</td> <td>64.20 ± 11.92</td> <td>63.00 ± 11.53</td> <td>57.97 ± 4.05</td> </tr> <tr> <td>GGT</td> <td>116.26 ± 42.52</td> <td>84.75 ± 19.26</td> <td>123.8 ± 44.70</td> <td>60.75 ± 15.37</td> <td>88.94 ± 8.78</td> </tr> <tr> <td>TG</td> <td>3.30 ± 0.41</td> <td>3.10 ± 0.31</td> <td>1.79 ± 0.66</td> <td>3.92 ± 0.44</td> <td>3.28 ± 0.24</td> </tr> <tr> <td>CHOL</td> <td>2.46 ± 0.42</td> <td>2.05 ± 0.26</td> <td>4.38 ± 0.67</td> <td>2.64 ± 0.54</td> <td>2.65 ± 0.37</td> </tr> <tr> <td>BMI</td> <td>23.11 ± 0.68</td> <td>24.63 ± 0.61</td> <td>25.32 ± 1.46</td> <td>24.42 ± 0.71</td> <td>25.23 ± 0.80</td> </tr> <tr> <td>FIB4</td> <td>4.36 ± 0.69</td> <td>3.92 ± 0.45*</td> <td>3.99 ± 0.47**</td> <td>6.14 ± 0.87***</td> <td>6.88 ± 0.48***</td> </tr> <tr> <td>PCIII</td> <td>27.89 ± 2.14</td> <td>26.68 ± 1.43*</td> <td>24.91 ± 3.52**</td> <td>36.42 ± 3.98***</td> <td>52.28 ± 6.61***</td> </tr> <tr> <td>IVC</td> <td>26.91 ± 2.42</td> <td>28.02 ± 2.12*</td> <td>27.04 ± 3.47**</td> <td>35.31 ± 4.56***</td> <td>51.49 ± 5.63***</td> </tr> <tr> <td>LN</td> <td>19.19 ± 2.42</td> <td>18.29 ± 2.69*</td> <td>13.40 ± 4.72**</td> <td>10.37 ± 1.97**</td> <td>37.9 ± 14.24***</td> </tr> <tr> <td>HA</td> <td>68.05 ± 7.21</td> <td>106.65 ± 25.91*</td> <td>91.05 ± 13.26**</td> <td>83.4 ± 13.16***</td> <td>124.33 ± 21.36***</td> </tr> </tbody> </table> <table border="1" style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Model</th> <th>LV Stage</th> <th>AUC</th> <th>Criterion</th> <th>95% CI</th> <th>p value</th> <th>SE</th> <th>SP</th> </tr> </thead> <tbody> <tr> <td rowspan="4">PCIII</td> <td>S2</td> <td>0.687</td> <td>43.25</td> <td>0.588-0.778</td> <td>0.000</td> <td>36.6</td> <td>97.9</td> </tr> <tr> <td>S3</td> <td>0.763</td> <td>38.36</td> <td>0.643-0.827</td> <td>0.000</td> <td>48.8</td> <td>92.4</td> </tr> <tr> <td>S4</td> <td>0.711</td> <td>43.25</td> <td>0.609-0.799</td> <td>0.000</td> <td>48.4</td> <td>92.2</td> </tr> <tr> <td>S5</td> <td>0.710</td> <td>40.97</td> <td>0.608-0.799</td> <td>0.000</td> <td>42.7</td> <td>93.6</td> </tr> <tr> <td rowspan="4">IV-C</td> <td>S2</td> <td>0.703</td> <td>27.39</td> <td>0.645-0.829</td> <td>0.000</td> <td>81.4</td> <td>98.6</td> </tr> <tr> <td>S3</td> <td>0.756</td> <td>27.39</td> <td>0.636-0.836</td> <td>0.000</td> <td>87.1</td> <td>94.7</td> </tr> <tr> <td>S4</td> <td>0.768</td> <td>17.12</td> <td>0.662-0.869</td> <td>0.000</td> <td>84.6</td> <td>97.4</td> </tr> <tr> <td>S5</td> <td>0.798</td> <td>17.12</td> <td>0.692-0.897</td> <td>0.1</td> <td>67.4</td> <td>97.7</td> </tr> <tr> <td rowspan="4">LN</td> <td>S2</td> <td>0.789</td> <td>19.33</td> <td>0.679-0.824</td> <td>0.000</td> <td>71</td> <td>91.9</td> </tr> <tr> <td>S3</td> <td>0.845</td> <td>6.38</td> <td>0.740-0.743</td> <td>0.000</td> <td>100</td> <td>29.8</td> </tr> <tr> <td>S4</td> <td>0.841</td> <td>8.38</td> <td>0.740-0.740</td> <td>0.000</td> <td>100</td> <td>28.9</td> </tr> <tr> <td>S5</td> <td>0.842</td> <td>9.38</td> <td>0.737-0.738</td> <td>0.000</td> <td>71</td> <td>65.9</td> </tr> <tr> <td rowspan="4">LSM</td> <td>S2</td> <td>0.903**</td> <td>9.1</td> <td>0.822-0.953</td> <td>0.000</td> <td>91.7</td> <td>74.5</td> </tr> <tr> <td>S3</td> <td>0.909**</td> <td>9.2</td> <td>0.832-0.971</td> <td>0.000</td> <td>93.3</td> <td>75</td> </tr> <tr> <td>S4</td> <td>0.908**</td> <td>14.1</td> <td>0.818-0.938</td> <td>0.000</td> <td>71</td> <td>96.9</td> </tr> <tr> <td>S5</td> <td>0.725</td> <td>6.2</td> <td>0.625-0.838</td> <td>0.000</td> <td>54.17</td> <td>83.0</td> </tr> <tr> <td rowspan="2">FIB4</td> <td>S3</td> <td>0.787*</td> <td>3.11</td> <td>0.688-0.880</td> <td>0.000</td> <td>82.13</td> <td>66.08</td> </tr> <tr> <td>S4</td> <td>0.777*</td> <td>3.13</td> <td>0.679-0.856</td> <td>0.000</td> <td>87.1</td> <td>62.5</td> </tr> </tbody> </table> <table border="1" style="width: 100%; font-size: x-small;"> <thead> <tr> <th>LV-Stage</th> <th>AUC</th> <th>Criterion</th> <th>95% CI</th> <th>p</th> <th>SE</th> <th>SP</th> </tr> </thead> <tbody> <tr> <td>S2</td> <td>0.933</td> <td>6.9</td> <td>0.692-0.998</td> <td>0.000</td> <td>100</td> <td>80</td> </tr> <tr> <td>S3</td> <td>0.979</td> <td>10.4</td> <td>0.729-1</td> <td>0.000</td> <td>100</td> <td>91.67</td> </tr> <tr> <td>S4</td> <td>0.979</td> <td>10.4</td> <td>0.729-1</td> <td>0.000</td> <td>100</td> <td>91.67</td> </tr> </tbody> </table> <table border="1" style="width: 100%; font-size: x-small;"> <thead> <tr> <th></th> <th>Model</th> <th>B</th> <th>Std</th> <th>Beta</th> <th>t</th> <th>p</th> <th>95% CI</th> </tr> </thead> <tbody> <tr> <td>Gender</td> <td>-1.301</td> <td>1.126</td> <td>-0.116</td> <td>-1.155</td> <td>.251</td> <td>-3.540</td> <td>0.937</td> </tr> <tr> <td>Age</td> <td>-0.052</td> <td>0.048</td> <td>-0.108</td> <td>-1.079</td> <td>0.284</td> <td>-0.147</td> <td>0.044</td> </tr> <tr> <td>ALB</td> <td>-0.324</td> <td>0.104</td> <td>-0.335</td> <td>-3.134</td> <td>0.002</td> <td>-0.530</td> <td>-0.119</td> </tr> <tr> <td>ALT</td> <td>-0.054</td> <td>0.016</td> <td>-0.698</td> <td>-3.445</td> <td>0.001</td> <td>-0.085</td> <td>-0.023</td> </tr> <tr> <td>AST</td> <td>0.071</td> <td>0.026</td> <td>0.570</td> <td>2.749</td> <td>0.007</td> <td>0.020</td> <td>0.122</td> </tr> <tr> <td>BMI</td> <td>0.257</td> <td>0.135</td> <td>0.189</td> <td>1.902</td> <td>0.061</td> <td>-0.012</td> <td>0.526</td> </tr> <tr> <td>FAP</td> <td>0.025</td> <td>0.010</td> <td>0.257</td> <td>2.548</td> <td>0.012</td> <td>0.006</td> <td>0.045</td> </tr> </tbody> </table> | Item | S1 | S2 | S3 | S4 | S5 | APRI | 1.06 ± 0.20 | 0.75 ± 0.09* | 1.06 ± 0.33** | 1.57 ± 0.52*** | 1.66 ± 0.36*** | LSM | 6.80 ± 1.86 | 6.44 ± 2.25* | 6.23 ± 1.67** | 6.84 ± 2.16*** | 8.97 ± 1.96*** | ALT | 77.68 ± 10.46 | 82.93 ± 13.95 | 88.60 ± 32.68 | 96.17 ± 21.49 | 61.84 ± 8.24 | AST | 53.11 ± 6.9 | 53.61 ± 9.07 | 64.20 ± 11.92 | 63.00 ± 11.53 | 57.97 ± 4.05 | GGT | 116.26 ± 42.52 | 84.75 ± 19.26 | 123.8 ± 44.70 | 60.75 ± 15.37 | 88.94 ± 8.78 | TG | 3.30 ± 0.41 | 3.10 ± 0.31 | 1.79 ± 0.66 | 3.92 ± 0.44 | 3.28 ± 0.24 | CHOL | 2.46 ± 0.42 | 2.05 ± 0.26 | 4.38 ± 0.67 | 2.64 ± 0.54 | 2.65 ± 0.37 | BMI | 23.11 ± 0.68 | 24.63 ± 0.61 | 25.32 ± 1.46 | 24.42 ± 0.71 | 25.23 ± 0.80 | FIB4 | 4.36 ± 0.69 | 3.92 ± 0.45* | 3.99 ± 0.47** | 6.14 ± 0.87*** | 6.88 ± 0.48*** | PCIII | 27.89 ± 2.14 | 26.68 ± 1.43* | 24.91 ± 3.52** | 36.42 ± 3.98*** | 52.28 ± 6.61*** | IVC | 26.91 ± 2.42 | 28.02 ± 2.12* | 27.04 ± 3.47** | 35.31 ± 4.56*** | 51.49 ± 5.63*** | LN | 19.19 ± 2.42 | 18.29 ± 2.69* | 13.40 ± 4.72** | 10.37 ± 1.97** | 37.9 ± 14.24*** | HA | 68.05 ± 7.21 | 106.65 ± 25.91* | 91.05 ± 13.26** | 83.4 ± 13.16*** | 124.33 ± 21.36*** | Model | LV Stage | AUC | Criterion | 95% CI | p value | SE | SP | PCIII | S2 | 0.687 | 43.25 | 0.588-0.778 | 0.000 | 36.6 | 97.9 | S3 | 0.763 | 38.36 | 0.643-0.827 | 0.000 | 48.8 | 92.4 | S4 | 0.711 | 43.25 | 0.609-0.799 | 0.000 | 48.4 | 92.2 | S5 | 0.710 | 40.97 | 0.608-0.799 | 0.000 | 42.7 | 93.6 | IV-C | S2 | 0.703 | 27.39 | 0.645-0.829 | 0.000 | 81.4 | 98.6 | S3 | 0.756 | 27.39 | 0.636-0.836 | 0.000 | 87.1 | 94.7 | S4 | 0.768 | 17.12 | 0.662-0.869 | 0.000 | 84.6 | 97.4 | S5 | 0.798 | 17.12 | 0.692-0.897 | 0.1 | 67.4 | 97.7 | LN | S2 | 0.789 | 19.33 | 0.679-0.824 | 0.000 | 71 | 91.9 | S3 | 0.845 | 6.38 | 0.740-0.743 | 0.000 | 100 | 29.8 | S4 | 0.841 | 8.38 | 0.740-0.740 | 0.000 | 100 | 28.9 | S5 | 0.842 | 9.38 | 0.737-0.738 | 0.000 | 71 | 65.9 | LSM | S2 | 0.903** | 9.1 | 0.822-0.953 | 0.000 | 91.7 | 74.5 | S3 | 0.909** | 9.2 | 0.832-0.971 | 0.000 | 93.3 | 75 | S4 | 0.908** | 14.1 | 0.818-0.938 | 0.000 | 71 | 96.9 | S5 | 0.725 | 6.2 | 0.625-0.838 | 0.000 | 54.17 | 83.0 | FIB4 | S3 | 0.787* | 3.11 | 0.688-0.880 | 0.000 | 82.13 | 66.08 | S4 | 0.777* | 3.13 | 0.679-0.856 | 0.000 | 87.1 | 62.5 | LV-Stage | AUC | Criterion | 95% CI | p | SE | SP | S2 | 0.933 | 6.9 | 0.692-0.998 | 0.000 | 100 | 80 | S3 | 0.979 | 10.4 | 0.729-1 | 0.000 | 100 | 91.67 | S4 | 0.979 | 10.4 | 0.729-1 | 0.000 | 100 | 91.67 | | Model | B | Std | Beta | t | p | 95% CI | Gender | -1.301 | 1.126 | -0.116 | -1.155 | .251 | -3.540 | 0.937 | Age | -0.052 | 0.048 | -0.108 | -1.079 | 0.284 | -0.147 | 0.044 | ALB | -0.324 | 0.104 | -0.335 | -3.134 | 0.002 | -0.530 | -0.119 | ALT | -0.054 | 0.016 | -0.698 | -3.445 | 0.001 | -0.085 | -0.023 | AST | 0.071 | 0.026 | 0.570 | 2.749 | 0.007 | 0.020 | 0.122 | BMI | 0.257 | 0.135 | 0.189 | 1.902 | 0.061 | -0.012 | 0.526 | FAP | 0.025 | 0.010 | 0.257 | 2.548 | 0.012 | 0.006 | 0.045 |
| Item | S1 | S2 | S3 | S4 | S5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APRI | 1.06 ± 0.20 | 0.75 ± 0.09* | 1.06 ± 0.33** | 1.57 ± 0.52*** | 1.66 ± 0.36*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSM | 6.80 ± 1.86 | 6.44 ± 2.25* | 6.23 ± 1.67** | 6.84 ± 2.16*** | 8.97 ± 1.96*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT | 77.68 ± 10.46 | 82.93 ± 13.95 | 88.60 ± 32.68 | 96.17 ± 21.49 | 61.84 ± 8.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AST | 53.11 ± 6.9 | 53.61 ± 9.07 | 64.20 ± 11.92 | 63.00 ± 11.53 | 57.97 ± 4.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GGT | 116.26 ± 42.52 | 84.75 ± 19.26 | 123.8 ± 44.70 | 60.75 ± 15.37 | 88.94 ± 8.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TG | 3.30 ± 0.41 | 3.10 ± 0.31 | 1.79 ± 0.66 | 3.92 ± 0.44 | 3.28 ± 0.24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHOL | 2.46 ± 0.42 | 2.05 ± 0.26 | 4.38 ± 0.67 | 2.64 ± 0.54 | 2.65 ± 0.37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMI | 23.11 ± 0.68 | 24.63 ± 0.61 | 25.32 ± 1.46 | 24.42 ± 0.71 | 25.23 ± 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIB4 | 4.36 ± 0.69 | 3.92 ± 0.45* | 3.99 ± 0.47** | 6.14 ± 0.87*** | 6.88 ± 0.48*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCIII | 27.89 ± 2.14 | 26.68 ± 1.43* | 24.91 ± 3.52** | 36.42 ± 3.98*** | 52.28 ± 6.61*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IVC | 26.91 ± 2.42 | 28.02 ± 2.12* | 27.04 ± 3.47** | 35.31 ± 4.56*** | 51.49 ± 5.63*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LN | 19.19 ± 2.42 | 18.29 ± 2.69* | 13.40 ± 4.72** | 10.37 ± 1.97** | 37.9 ± 14.24*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HA | 68.05 ± 7.21 | 106.65 ± 25.91* | 91.05 ± 13.26** | 83.4 ± 13.16*** | 124.33 ± 21.36*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Model | LV Stage | AUC | Criterion | 95% CI | p value | SE | SP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCIII | S2 | 0.687 | 43.25 | 0.588-0.778 | 0.000 | 36.6 | 97.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S3 | 0.763 | 38.36 | 0.643-0.827 | 0.000 | 48.8 | 92.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S4 | 0.711 | 43.25 | 0.609-0.799 | 0.000 | 48.4 | 92.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S5 | 0.710 | 40.97 | 0.608-0.799 | 0.000 | 42.7 | 93.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IV-C | S2 | 0.703 | 27.39 | 0.645-0.829 | 0.000 | 81.4 | 98.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S3 | 0.756 | 27.39 | 0.636-0.836 | 0.000 | 87.1 | 94.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S4 | 0.768 | 17.12 | 0.662-0.869 | 0.000 | 84.6 | 97.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S5 | 0.798 | 17.12 | 0.692-0.897 | 0.1 | 67.4 | 97.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LN | S2 | 0.789 | 19.33 | 0.679-0.824 | 0.000 | 71 | 91.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S3 | 0.845 | 6.38 | 0.740-0.743 | 0.000 | 100 | 29.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S4 | 0.841 | 8.38 | 0.740-0.740 | 0.000 | 100 | 28.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S5 | 0.842 | 9.38 | 0.737-0.738 | 0.000 | 71 | 65.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSM | S2 | 0.903** | 9.1 | 0.822-0.953 | 0.000 | 91.7 | 74.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S3 | 0.909** | 9.2 | 0.832-0.971 | 0.000 | 93.3 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S4 | 0.908** | 14.1 | 0.818-0.938 | 0.000 | 71 | 96.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S5 | 0.725 | 6.2 | 0.625-0.838 | 0.000 | 54.17 | 83.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIB4 | S3 | 0.787* | 3.11 | 0.688-0.880 | 0.000 | 82.13 | 66.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S4 | 0.777* | 3.13 | 0.679-0.856 | 0.000 | 87.1 | 62.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LV-Stage | AUC | Criterion | 95% CI | p | SE | SP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S2 | 0.933 | 6.9 | 0.692-0.998 | 0.000 | 100 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S3 | 0.979 | 10.4 | 0.729-1 | 0.000 | 100 | 91.67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S4 | 0.979 | 10.4 | 0.729-1 | 0.000 | 100 | 91.67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Model | B | Std | Beta | t | p | 95% CI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gender | -1.301 | 1.126 | -0.116 | -1.155 | .251 | -3.540 | 0.937 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age | -0.052 | 0.048 | -0.108 | -1.079 | 0.284 | -0.147 | 0.044 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALB | -0.324 | 0.104 | -0.335 | -3.134 | 0.002 | -0.530 | -0.119 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT | -0.054 | 0.016 | -0.698 | -3.445 | 0.001 | -0.085 | -0.023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AST | 0.071 | 0.026 | 0.570 | 2.749 | 0.007 | 0.020 | 0.122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMI | 0.257 | 0.135 | 0.189 | 1.902 | 0.061 | -0.012 | 0.526 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FAP | 0.025 | 0.010 | 0.257 | 2.548 | 0.012 | 0.006 | 0.045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Результаты | <p>- Статистической разницы по возрасту, ALT, AST, GGT, BMI, TG, CHOL и GLU не выявлено ($p > 0,05$). Измерение жесткости печени (LSM), APRI, FIB4, PCIII, CIV, LN и HA показали статистическую значимость ($p < 0,05$). - PCIII, IV-C, LN, APR1, LSM и FIB4 положительно коррелировали со стадией фиброза печени ($p < 0,05$). - Анализ кривой ROC показал, что LSM и FIB4 показали хорошие прогнозы различных стадий фиброза при хроническом заболевании печени с AUC более 0,7. - AUC LSM при диагностике цирроза печени (S4) достигла 0,908. - На его точность повлияло воспаление печени.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Заключение | <p>- Значение LSM в iLivTouch показало высокое совпадение со стадией фиброза печени. - LSM является ценным неинвазивным методом оценки прогрессирования фиброза печени при хроническом заболевании печени.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Хронический гепатит В

Диагностика фиброза печени на ранней стадии

| Ссылка | <p>Оценка значимости вязкоупругости в диагностике ранней стадии фиброза печени с помощью транзientной эластографии Huichun Xing и др. PLOS ONE DOI: 10.1371 / journal. pone. 0170073 20 января 2017 г.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|----------|-----|-----|-------|---------|----------|-------------------------|-------|-------|---------------|-------|-------|--------------|-------|-------|-------------|--------|--------|-------------|--------|--------|-----|--------|--------|-----|--------|--------|-------------------|--------|--------|--|-------------------------|---------|-----|----------|-------|-----|-------|-------|-----|--------|-------|-----|---------|-------|-----|---------|-------|------|-------|-------|------|-------|-------|
| Цель | <ul style="list-style-type: none"> - Комбинировать численное моделирование и клиническую оценку для определения индекса вязкоупругости ткани печени. - Улучшить качество ранней диагностики фиброза печени. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Методы | <ul style="list-style-type: none"> - Разработана идеализированная двумерная осесимметричная модель печени с конечными элементами для оценки влияния различных значений вязкоупругости на характеристики распространения поперечной волны. - 99 пациентов с хроническим гепатитом В прошли биопсию и рутинные анализы для определения стадии заболевания печени. - Измерение жесткости печени (LSM) и подгоночный коэффициент затухания поперечной волны (AFC) были рассчитаны на основе ультразвуковых данных, полученных при выполнении транзientной эластографии. - ROC-анализ использовался для оценки надежности и диагностической точности LSM и AFC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Цифры и таблицы | <div style="display: flex; justify-content: space-around;">  </div> <p style="text-align: center; font-size: small;">Fig 6. ROC curves for the LSM and AFC indices to differentiate F1 and F2 stages of liver fibrosis. (A) ROC curves of LSM. (B) ROC curves of AFC.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>LSM</th> <th>AFC</th> </tr> </thead> <tbody> <tr> <td>AUROC</td> <td>0.705**</td> <td>0.866***</td> </tr> <tr> <td>Significance (2-tailed)</td> <td>0.005</td> <td>0.000</td> </tr> <tr> <td>Cut-off value</td> <td>7.042</td> <td>2.256</td> </tr> <tr> <td>Youden index</td> <td>0.426</td> <td>0.648</td> </tr> <tr> <td>Sensitivity</td> <td>72.22%</td> <td>83.33%</td> </tr> <tr> <td>Specificity</td> <td>70.37%</td> <td>81.48%</td> </tr> <tr> <td>PPV</td> <td>35.14%</td> <td>50.00%</td> </tr> <tr> <td>NPV</td> <td>91.94%</td> <td>95.65%</td> </tr> <tr> <td>Diagnose accuracy</td> <td>70.71%</td> <td>81.82%</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>correlation coefficient</th> <th>P-value</th> </tr> </thead> <tbody> <tr> <td>LSM</td> <td>0.450***</td> <td>0.000</td> </tr> <tr> <td>Age</td> <td>0.046</td> <td>0.654</td> </tr> <tr> <td>BMI</td> <td>-0.019</td> <td>0.854</td> </tr> <tr> <td>ALT</td> <td>0.330**</td> <td>0.001</td> </tr> <tr> <td>AST</td> <td>0.265**</td> <td>0.006</td> </tr> <tr> <td>TBIL</td> <td>0.124</td> <td>0.221</td> </tr> <tr> <td>DBIL</td> <td>0.167</td> <td>0.098</td> </tr> </tbody> </table> | | LSM | AFC | AUROC | 0.705** | 0.866*** | Significance (2-tailed) | 0.005 | 0.000 | Cut-off value | 7.042 | 2.256 | Youden index | 0.426 | 0.648 | Sensitivity | 72.22% | 83.33% | Specificity | 70.37% | 81.48% | PPV | 35.14% | 50.00% | NPV | 91.94% | 95.65% | Diagnose accuracy | 70.71% | 81.82% | | correlation coefficient | P-value | LSM | 0.450*** | 0.000 | Age | 0.046 | 0.654 | BMI | -0.019 | 0.854 | ALT | 0.330** | 0.001 | AST | 0.265** | 0.006 | TBIL | 0.124 | 0.221 | DBIL | 0.167 | 0.098 |
| | LSM | AFC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUROC | 0.705** | 0.866*** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Significance (2-tailed) | 0.005 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cut-off value | 7.042 | 2.256 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Youden index | 0.426 | 0.648 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sensitivity | 72.22% | 83.33% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Specificity | 70.37% | 81.48% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PPV | 35.14% | 50.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NPV | 91.94% | 95.65% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnose accuracy | 70.71% | 81.82% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | correlation coefficient | P-value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSM | 0.450*** | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age | 0.046 | 0.654 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMI | -0.019 | 0.854 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT | 0.330** | 0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AST | 0.265** | 0.006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TBIL | 0.124 | 0.221 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DBIL | 0.167 | 0.098 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Результат | <ul style="list-style-type: none"> - По сравнению с LSM, AFC обеспечивает более высокую диагностическую точность для дифференциации ранних стадий фиброза печени, а именно стадии F1 и F2, с общей специфичностью 81,48%, чувствительностью 83,33% и диагностической точностью 81,82%. - На AFC влиял уровень LSM, ALT. Однако нет корреляции между AFC и возрастом, BMI, TBIL или DBIL. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Заключение | <p>Количественная оценка вязкоупругости ткани печени обеспечивает надежное измерение для выявления и дифференциации ранних стадий фиброза печени.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

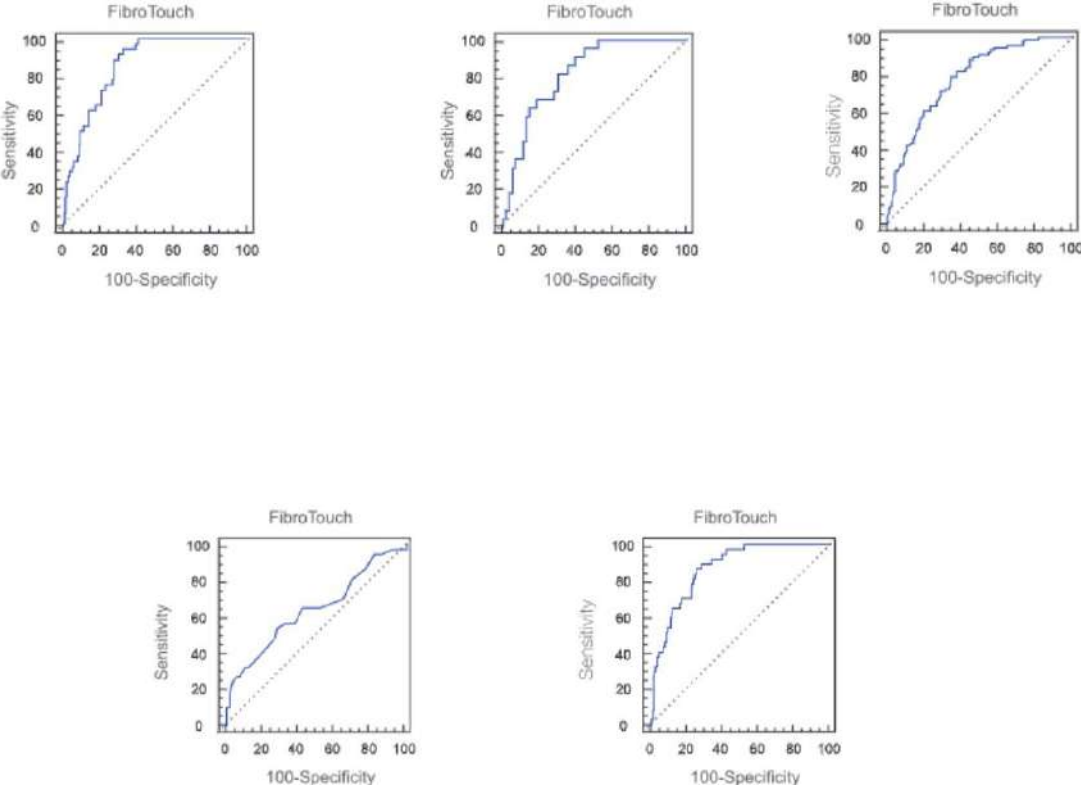
Цирроз печени и его осложнения

Прогнозирование риска EV и EVB

| Ссылка | Транзиентная Эластография определяет риск варикозного расширения вен пищевода и кровотечений у пациентов с циррозом печени, связанным с вирусом гепатита В. Ling Yang, et al. Ultrasound Quarterly, Volume00, Number00, Month 2018. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---------------------|-----------------|-----------------|-------------|-----------------|-------------|-------------|-------------|---|---------------------|----------------|----------------|----------------|----------------|-------|-----|------------------|-----------------|-----------------|-----------------|-------|------|-------------|-------------|-------------|--------------|-------|----------|--------------|--------------|--------------|---------------|-------|--------|---------------|----------------|--------------|-------------|-------------|---|-----|-----|---------------------|-------|-------|-------|---------|------|---------------------|-------|-------|-------|---------|-------|---------------------|-------|-------|-------|---------|-----------------|------------------|---------------------|-------|-------|-------|---------|-----|---------------------|-------|-------|-------|---------|------|---------------------|-------|-------|-------|--------|-----|------------------|---------------------|-------|-------|-------|-------|-----|---------------------|-------|-------|-------|-------|------|---------------------|------|-------|-------|--------|------|------------------|---------------------|-------|-------|-------|--------|-----|---------------------|-------|-------|-------|-------|------|---------------------|-------|-------|-------|-------|------|-----|---------------------|-------|-------|-------|---------|------|---------------------|-------|-------|-------|---------|-------|---------------------|-------|-------|-------|---------|------------------|---------------------|-------|-------|-------|-------|
| Цель | Проанализировать диагностическую точность жесткости печени для прогнозирования степени варикозного расширения вен пищевода и риска кровотечения из варикозного расширения вен пищевода (EVB) в случаях цирроза печени. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Методы | 88 пациентов с циррозом печени, связанным с гепатитом В, проходят эндоскопию по поводу варикозного расширения вен пищевода. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Цифры и таблицы | <table border="1" data-bbox="272 622 1082 757"> <caption>Esophageal Varices</caption> <thead> <tr> <th>Items</th> <th>Absent (n = 16)</th> <th>F1 (n = 20)</th> <th>F2 (n = 25)</th> <th>F3 (n = 27)</th> <th>P</th> </tr> </thead> <tbody> <tr> <td>Spleen diameter, mm</td> <td>111.79 ± 15.58</td> <td>140.79 ± 26.93</td> <td>148.57 ± 33.93</td> <td>167.06 ± 32.51</td> <td>0.000</td> </tr> <tr> <td>PSR</td> <td>1206.67 ± 508.10</td> <td>805.57 ± 580.91</td> <td>414.64 ± 207.30</td> <td>501.88 ± 339.78</td> <td>0.000</td> </tr> <tr> <td>LSPS</td> <td>1.01 ± 0.66</td> <td>2.93 ± 2.67</td> <td>6.71 ± 3.90</td> <td>12.16 ± 8.25</td> <td>0.000</td> </tr> <tr> <td>LSM, kPa</td> <td>10.25 ± 4.43</td> <td>12.54 ± 4.19</td> <td>23.55 ± 5.56</td> <td>40.91 ± 14.67</td> <td>0.000</td> </tr> </tbody> </table> <p data-bbox="272 745 820 763">LSPS, liver stiffness = spleen diameter/platelet count ratio score; PSR, platelet count/spleen diameter ratio.</p> <table border="1" data-bbox="347 808 1018 1084"> <thead> <tr> <th>Method</th> <th>Varices Grade</th> <th>AUROC (95% CI)</th> <th>Cutoff Value</th> <th>Sensitivity</th> <th>Specificity</th> <th>P</th> </tr> </thead> <tbody> <tr> <td rowspan="3">LSM</td> <td>≤G1</td> <td>0.894 (0.822-0.966)</td> <td>12.63</td> <td>0.836</td> <td>0.875</td> <td><0.0001</td> </tr> <tr> <td>≤GII</td> <td>0.958 (0.916-0.989)</td> <td>19.80</td> <td>0.870</td> <td>0.971</td> <td><0.0001</td> </tr> <tr> <td>≤GIII</td> <td>0.954 (0.912-0.995)</td> <td>23.85</td> <td>0.928</td> <td>0.836</td> <td><0.0001</td> </tr> <tr> <td rowspan="3">Spleen diameter</td> <td>Varices bleeding</td> <td>0.855 (0.774-0.936)</td> <td>26.27</td> <td>0.857</td> <td>0.747</td> <td><0.0001</td> </tr> <tr> <td>≤G1</td> <td>0.873 (0.781-0.964)</td> <td>130.0</td> <td>0.773</td> <td>0.851</td> <td><0.0001</td> </tr> <tr> <td>≤GII</td> <td>0.762 (0.639-0.884)</td> <td>146.5</td> <td>0.660</td> <td>0.786</td> <td><0.001</td> </tr> <tr> <td rowspan="3">PSR</td> <td>Varices bleeding</td> <td>0.767 (0.629-0.905)</td> <td>152.5</td> <td>0.688</td> <td>0.738</td> <td>0.002</td> </tr> <tr> <td>≤G1</td> <td>0.819 (0.663-0.975)</td> <td>156.5</td> <td>0.875</td> <td>0.780</td> <td>0.004</td> </tr> <tr> <td>≤GII</td> <td>0.833 (0.710-0.957)</td> <td>1035</td> <td>0.863</td> <td>0.750</td> <td><0.001</td> </tr> <tr> <td rowspan="3">LSPS</td> <td>Varices bleeding</td> <td>0.776 (0.646-0.905)</td> <td>353.9</td> <td>0.723</td> <td>0.751</td> <td><0.001</td> </tr> <tr> <td>≤G1</td> <td>0.644 (0.491-0.797)</td> <td>368.8</td> <td>0.500</td> <td>0.750</td> <td>0.095</td> </tr> <tr> <td>≤GII</td> <td>0.630 (0.443-0.818)</td> <td>339.5</td> <td>0.625</td> <td>0.750</td> <td>0.242</td> </tr> <tr> <td rowspan="3">LSPS</td> <td>≤G1</td> <td>0.926 (0.859-0.993)</td> <td>2.375</td> <td>0.818</td> <td>1.000</td> <td><0.0001</td> </tr> <tr> <td>≤GII</td> <td>0.941 (0.878-1.000)</td> <td>3.544</td> <td>0.900</td> <td>0.885</td> <td><0.0001</td> </tr> <tr> <td>≤GIII</td> <td>0.901 (0.820-0.996)</td> <td>6.934</td> <td>0.875</td> <td>0.875</td> <td><0.0001</td> </tr> <tr> <td>Varices bleeding</td> <td>0.818 (0.672-0.963)</td> <td>8.496</td> <td>0.750</td> <td>0.854</td> <td>0.004</td> </tr> </tbody> </table> <p data-bbox="347 1070 798 1088">LSPS, liver stiffness = spleen diameter/platelet count ratio score; PSR, platelet count/spleen diameter ratio.</p> <div data-bbox="272 1205 703 1413"> </div> <div data-bbox="1098 562 1505 1503"> </div> | | | | Items | Absent (n = 16) | F1 (n = 20) | F2 (n = 25) | F3 (n = 27) | P | Spleen diameter, mm | 111.79 ± 15.58 | 140.79 ± 26.93 | 148.57 ± 33.93 | 167.06 ± 32.51 | 0.000 | PSR | 1206.67 ± 508.10 | 805.57 ± 580.91 | 414.64 ± 207.30 | 501.88 ± 339.78 | 0.000 | LSPS | 1.01 ± 0.66 | 2.93 ± 2.67 | 6.71 ± 3.90 | 12.16 ± 8.25 | 0.000 | LSM, kPa | 10.25 ± 4.43 | 12.54 ± 4.19 | 23.55 ± 5.56 | 40.91 ± 14.67 | 0.000 | Method | Varices Grade | AUROC (95% CI) | Cutoff Value | Sensitivity | Specificity | P | LSM | ≤G1 | 0.894 (0.822-0.966) | 12.63 | 0.836 | 0.875 | <0.0001 | ≤GII | 0.958 (0.916-0.989) | 19.80 | 0.870 | 0.971 | <0.0001 | ≤GIII | 0.954 (0.912-0.995) | 23.85 | 0.928 | 0.836 | <0.0001 | Spleen diameter | Varices bleeding | 0.855 (0.774-0.936) | 26.27 | 0.857 | 0.747 | <0.0001 | ≤G1 | 0.873 (0.781-0.964) | 130.0 | 0.773 | 0.851 | <0.0001 | ≤GII | 0.762 (0.639-0.884) | 146.5 | 0.660 | 0.786 | <0.001 | PSR | Varices bleeding | 0.767 (0.629-0.905) | 152.5 | 0.688 | 0.738 | 0.002 | ≤G1 | 0.819 (0.663-0.975) | 156.5 | 0.875 | 0.780 | 0.004 | ≤GII | 0.833 (0.710-0.957) | 1035 | 0.863 | 0.750 | <0.001 | LSPS | Varices bleeding | 0.776 (0.646-0.905) | 353.9 | 0.723 | 0.751 | <0.001 | ≤G1 | 0.644 (0.491-0.797) | 368.8 | 0.500 | 0.750 | 0.095 | ≤GII | 0.630 (0.443-0.818) | 339.5 | 0.625 | 0.750 | 0.242 | LSPS | ≤G1 | 0.926 (0.859-0.993) | 2.375 | 0.818 | 1.000 | <0.0001 | ≤GII | 0.941 (0.878-1.000) | 3.544 | 0.900 | 0.885 | <0.0001 | ≤GIII | 0.901 (0.820-0.996) | 6.934 | 0.875 | 0.875 | <0.0001 | Varices bleeding | 0.818 (0.672-0.963) | 8.496 | 0.750 | 0.854 | 0.004 |
| Items | Absent (n = 16) | F1 (n = 20) | F2 (n = 25) | F3 (n = 27) | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen diameter, mm | 111.79 ± 15.58 | 140.79 ± 26.93 | 148.57 ± 33.93 | 167.06 ± 32.51 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PSR | 1206.67 ± 508.10 | 805.57 ± 580.91 | 414.64 ± 207.30 | 501.88 ± 339.78 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSPS | 1.01 ± 0.66 | 2.93 ± 2.67 | 6.71 ± 3.90 | 12.16 ± 8.25 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSM, kPa | 10.25 ± 4.43 | 12.54 ± 4.19 | 23.55 ± 5.56 | 40.91 ± 14.67 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method | Varices Grade | AUROC (95% CI) | Cutoff Value | Sensitivity | Specificity | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSM | ≤G1 | 0.894 (0.822-0.966) | 12.63 | 0.836 | 0.875 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GII | 0.958 (0.916-0.989) | 19.80 | 0.870 | 0.971 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GIII | 0.954 (0.912-0.995) | 23.85 | 0.928 | 0.836 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen diameter | Varices bleeding | 0.855 (0.774-0.936) | 26.27 | 0.857 | 0.747 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤G1 | 0.873 (0.781-0.964) | 130.0 | 0.773 | 0.851 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GII | 0.762 (0.639-0.884) | 146.5 | 0.660 | 0.786 | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PSR | Varices bleeding | 0.767 (0.629-0.905) | 152.5 | 0.688 | 0.738 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤G1 | 0.819 (0.663-0.975) | 156.5 | 0.875 | 0.780 | 0.004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GII | 0.833 (0.710-0.957) | 1035 | 0.863 | 0.750 | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSPS | Varices bleeding | 0.776 (0.646-0.905) | 353.9 | 0.723 | 0.751 | <0.001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤G1 | 0.644 (0.491-0.797) | 368.8 | 0.500 | 0.750 | 0.095 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GII | 0.630 (0.443-0.818) | 339.5 | 0.625 | 0.750 | 0.242 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSPS | ≤G1 | 0.926 (0.859-0.993) | 2.375 | 0.818 | 1.000 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GII | 0.941 (0.878-1.000) | 3.544 | 0.900 | 0.885 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ≤GIII | 0.901 (0.820-0.996) | 6.934 | 0.875 | 0.875 | <0.0001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Varices bleeding | 0.818 (0.672-0.963) | 8.496 | 0.750 | 0.854 | 0.004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Результат | <ul style="list-style-type: none"> - Степень варикозного расширения вен пищевода сильно коррелировала с измерением жесткости печени (LSM) и оценкой жесткости печени по отношению диаметра селезенки к тромбоцитам при циррозе. - По сравнению с данными эндоскопии, показатель LSM и показатель соотношения диаметра печени и селезенки к тромбоцитам при отсутствии варикозного расширения вен пищевода были следующими: AUROC, 0,894/0,926. чувствительность 0,836/0,818; и специфичность 0,875/1000 соответственно. - AUROC, чувствительность и специфичность LSM и отношение диаметра печени и селезенки к тромбоцитам оценка для прогнозирования варикозного расширения вен пищевода III степени составила 0,954 и 0,901 соответственно. AUROC LSM и оценка жесткости печени по диаметру селезенки по отношению к тромбоцитам для различения II и III степеней от степени I или отсутствие варикозного расширения вен пищевода составили 0,958 и 0,941 соответственно. - EVB был тесно связан с LSM и диаметром селезенки. AUROC, чувствительность и специфичность были 0,855/0,819, 0,857/0,875 и 0,747/0,780 соответственно. Между тем диаметр селезенки и LSM являются двумя независимыми факторами для прогнозирования EVB. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Заключение | <ul style="list-style-type: none"> - Эти данные свидетельствуют о том, что LSM и оценка жесткости печени по отношению диаметра селезенки к тромбоцитам могут точно исключить цирроз без варикозного расширения вен пищевода и дифференцировать пациентов с высоким и низким риском. - Кроме того, LSM и диаметр селезенки обладали отличными способностями предсказывать EVB. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

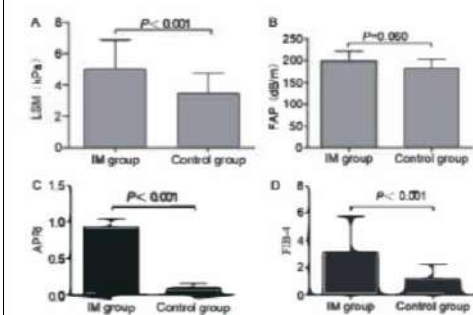
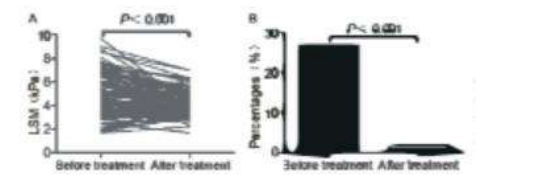
Гепатоцеллюлярная карцинома

Прогнозирование послеоперационной печеночной недостаточности (ПНЖП)

| | |
|-----------------|--|
| Ссылка | <p>Прогнозирование постгепатэктомического поражения печени с использованием транзиторной эластографии у пациентов с гепатоцеллюлярной карциномой, связанной с гепатитом В Jie-wen Lei, Jia Guo, et al. BMC Gastroenterology 2017 (17): 171.</p> |
| Цель | <p>Изучить применение предоперационных измерений жесткости печени (LSM) методом транзиторной эластографии для прогнозирования послеоперационной печеночной недостаточности (PHLF) у пациентов с гепатоцеллюлярной карциномой, связанной с гепатитом В.</p> |
| Методы | <ul style="list-style-type: none"> - 247 последовательных пациентов с гепатоцеллюлярной карциномой, связанной с гепатитом В, перенесли гепатэктомию. - Подробные предоперационные обследования, включая: LSM перед гепатэктомией. - Конечной точкой стало развитие PHLF. |
| Цифры и таблицы |  |
| Результат | <ul style="list-style-type: none"> - У всех пациентов был хронический гепатит В, определяемый как наличие поверхностного антигена гепатита В (HBsAg) в течение более 6 месяцев, и у 76 (30,8%) был цирроз печени. - PHLF наблюдалась у 37 (14,98%) пациентов. - Предоперационный LSM (OR, 1,21; 95% доверительный интервал, 95% ДИ: 1,13-1,29; P<0,001) и международное нормализованное соотношение (INR) (ИЛИ 1,07; 95% ДИ: 1,01-1,12; P<0,05) были выявлены как независимые факторы риска для PHLF, и новая модель была определена как индекс LSM INR (индекс LSM-INR=0,191*LSM+6,317*INR-11,154). - Оптимальные значения отсечения LSM и индекса LSM-INR для прогнозирования PHLF составили 14 кПа (AUC 0,86, 95% ДИ: 0,811-0,901, P<0,001) и -1,92 (AUC 0,87, 95% ДИ: 0,822-0,909, P<0,001) соответственно |
| Заключение | <p>LSM может быть полезен хирургам для принятия терапевтических решений у пациентов с гепатоцеллюлярной карциномой, связанной с гепатитом В.</p> |

Заболевания печени у детей

Характеристики эластографии печени у детей с ИМ

| Ссылка | Транзиентная эластография печени у детей с инфекционным мононуклеозом, находящихся в стационаре в южном Китае Fansen Zeng, Jinjun Chen, et al. Int J Clin Exp Med 2018, 11(7): 6932-6940 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|--------------|------------------------|------------------------|---|----------------|--|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|----|--------------------------------------|-----|--|---------------|--|--------------|--|-----|--------------------------------------|-----------|---------------------|--|--|------------------------|--|--|----|--------|---------|-------------|--------|---------|------------|-------|-------------|-------|--|--|--|--------|-------|-------------|-------|--|--|--|----------------|-------|-------------|-------|-------|-------------|-------|----------|-------|-------------|-------|--|--|--|----------|-------|-------------|-------|--|--|--|----------|-------|-------------|-------|-------|-------------|-------|------------|-------|-------------|-------|--|--|--|-------------------------|-------|-------------|-------|--|--|--|----------------------|-------|-------------|-------|-------|-------------|-------|-----------|-------|-------------|-------|-------|-------------|-------|---------------|-------|-------------|-------|--|--|--|---------------------------------------|-------|-------------|-------|--|--|--|------------------------|-------|-------------|-------|--|--|--|---|-----------|---------------------|--|--|------------------------|--|--|----|--------|---------|----|--------|---------|---------------------|-------|-------------|---------|-------|--------------|-------|------------|-------|-------------|---------|-------|-------------|-------|--------|-------|-------------|-------|--|--|--|----------------|-------|-------------|-------|--|--|--|----------|-------|-------------|---------|-------|--------------|-------|----------|-------|-------------|---------|-------|-------------|-------|----------|-------|--------------|---------|-------|-------------|-------|------------|-------|-------------|---------|-------|-------------|-------|-------------------------|-------|--------------|-------|--|--|--|-----------|-------|-------------|---------|-------|--------------|-------|---------------|-------|-------------|------|-------|-------------|-------|
| Цель | - Оценка целесообразности применения iLivTouch. - Изучение эластографических характеристик печени у детей с инфекционным мононуклеозом (ИМ), вызванным инфекцией, вызванной вирусом Эпштейна-Барра (ВЭБ), в Южном Китае. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Методы | - Исследования iLivTouch были проведены у 357 педиатрических пациентов (в возрасте 1,0-18,0 лет). - Фиброз печени оценивали с помощью измерения жесткости печени (LSM), а стеатоз печени определяли параметром затухания жира (UAP). - Затем эти результаты были сопоставлены между группой ИМ (n=112) и контрольной группой (n=238). - Факторы риска развития фиброза печени (LSM>6,5) были проанализированы с использованием однофакторного анализа и многомерного логистического регрессия. - Также был исследован LSM до и после терапии для группы ИМ. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Цифры и таблицы | <p>Таблица 1. Преобразование переменных</p> <table border="1" data-bbox="244 824 798 1131"> <thead> <tr> <th>Variables</th> <th>Assignment explanation</th> </tr> </thead> <tbody> <tr> <td>Age</td> <td>1="1 year ≤ age ≤ 3 years"; 2="3 years < age ≤ 7 years" 3="7 years < age ≤ 18 years"</td> </tr> <tr> <td>BMI percentile</td> <td>1="BMI percentile ≥ 90%"; 2="BMI percentile < 90%"</td> </tr> <tr> <td>ALT</td> <td>1="ALT > 40 U/L"; 2="ALT ≤ 40 U/L"</td> </tr> <tr> <td>GGT</td> <td>1="GGT > 60 U/L"; 2="GGT ≤ 60 U/L"</td> </tr> <tr> <td>ALB</td> <td>1="ALB ≥ 40 g/L"; 2="ALB < 40 g/L"</td> </tr> <tr> <td>DB</td> <td>1="DB > 7 μmol/L"; 2="DB ≤ 7 μmol/L"</td> </tr> <tr> <td>FAP</td> <td>1="FAP > 249 dB/m"; 2="FAP ≤ 249 dB/m"</td> </tr> <tr> <td>Size of liver</td> <td>1="normal size of liver"; 2="abnormal size of liver"</td> </tr> <tr> <td>EBV DNA load</td> <td>1="EBV DNA load ≥ 500 cps/MI"; 2="EBV DNA load < 500 cps/MI"</td> </tr> <tr> <td>LSM</td> <td>1="LSM > 6.5 kPa"; 2="LSM ≤ 6.5 kPa"</td> </tr> </tbody> </table>  <table border="1" data-bbox="798 1164 1356 1422"> <thead> <tr> <th rowspan="2">Variables</th> <th colspan="3">Univariate analysis</th> <th colspan="3">Multivariable analysis</th> </tr> <tr> <th>OR</th> <th>95% CI</th> <th>P value</th> <th>Adjusted OR</th> <th>95% CI</th> <th>P value</th> </tr> </thead> <tbody> <tr> <td>Age, years</td> <td>1.073</td> <td>0.960-1.198</td> <td>0.214</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Gender</td> <td>0.837</td> <td>0.359-1.953</td> <td>0.681</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BMI percentile</td> <td>0.978</td> <td>0.961-0.995</td> <td>0.011</td> <td>0.976</td> <td>0.957-0.995</td> <td>0.013</td> </tr> <tr> <td>ALT, U/L</td> <td>0.659</td> <td>0.283-1.537</td> <td>0.335</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GGT, U/L</td> <td>1.001</td> <td>0.995-1.006</td> <td>0.821</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ALB, g/L</td> <td>0.855</td> <td>0.762-0.959</td> <td>0.007</td> <td>0.866</td> <td>0.762-0.985</td> <td>0.028</td> </tr> <tr> <td>DB, μmol/L</td> <td>1.035</td> <td>0.953-1.124</td> <td>0.413</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLT, 10⁹/L</td> <td>1.000</td> <td>0.996-1.004</td> <td>0.917</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EBV DNA load, cps/MI</td> <td>1.000</td> <td>1.000-1.000</td> <td>0.045</td> <td>1.000</td> <td>1.000-1.000</td> <td>0.290</td> </tr> <tr> <td>FAP, dB/m</td> <td>1.020</td> <td>1.001-1.039</td> <td>0.036</td> <td>1.022</td> <td>1.001-1.044</td> <td>0.039</td> </tr> <tr> <td>Size of liver</td> <td>1.727</td> <td>0.720-4.141</td> <td>0.221</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Percentage of abnormal lymphocytes, %</td> <td>0.978</td> <td>0.935-1.024</td> <td>0.347</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Serum ferritin, μmol/L</td> <td>1.000</td> <td>0.999-1.001</td> <td>0.597</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>  | Variables | Assignment explanation | Age | 1="1 year ≤ age ≤ 3 years"; 2="3 years < age ≤ 7 years" 3="7 years < age ≤ 18 years" | BMI percentile | 1="BMI percentile ≥ 90%"; 2="BMI percentile < 90%" | ALT | 1="ALT > 40 U/L"; 2="ALT ≤ 40 U/L" | GGT | 1="GGT > 60 U/L"; 2="GGT ≤ 60 U/L" | ALB | 1="ALB ≥ 40 g/L"; 2="ALB < 40 g/L" | DB | 1="DB > 7 μmol/L"; 2="DB ≤ 7 μmol/L" | FAP | 1="FAP > 249 dB/m"; 2="FAP ≤ 249 dB/m" | Size of liver | 1="normal size of liver"; 2="abnormal size of liver" | EBV DNA load | 1="EBV DNA load ≥ 500 cps/MI"; 2="EBV DNA load < 500 cps/MI" | LSM | 1="LSM > 6.5 kPa"; 2="LSM ≤ 6.5 kPa" | Variables | Univariate analysis | | | Multivariable analysis | | | OR | 95% CI | P value | Adjusted OR | 95% CI | P value | Age, years | 1.073 | 0.960-1.198 | 0.214 | | | | Gender | 0.837 | 0.359-1.953 | 0.681 | | | | BMI percentile | 0.978 | 0.961-0.995 | 0.011 | 0.976 | 0.957-0.995 | 0.013 | ALT, U/L | 0.659 | 0.283-1.537 | 0.335 | | | | GGT, U/L | 1.001 | 0.995-1.006 | 0.821 | | | | ALB, g/L | 0.855 | 0.762-0.959 | 0.007 | 0.866 | 0.762-0.985 | 0.028 | DB, μmol/L | 1.035 | 0.953-1.124 | 0.413 | | | | PLT, 10 ⁹ /L | 1.000 | 0.996-1.004 | 0.917 | | | | EBV DNA load, cps/MI | 1.000 | 1.000-1.000 | 0.045 | 1.000 | 1.000-1.000 | 0.290 | FAP, dB/m | 1.020 | 1.001-1.039 | 0.036 | 1.022 | 1.001-1.044 | 0.039 | Size of liver | 1.727 | 0.720-4.141 | 0.221 | | | | Percentage of abnormal lymphocytes, % | 0.978 | 0.935-1.024 | 0.347 | | | | Serum ferritin, μmol/L | 1.000 | 0.999-1.001 | 0.597 | | | | <p>Таблица 3. Факторы, связанные с фиброзом в двух</p> <table border="1" data-bbox="798 824 1505 1086"> <thead> <tr> <th rowspan="2">Variables</th> <th colspan="3">Univariate analysis</th> <th colspan="3">Multivariable analysis</th> </tr> <tr> <th>OR</th> <th>95% CI</th> <th>P value</th> <th>OR</th> <th>95% CI</th> <th>P value</th> </tr> </thead> <tbody> <tr> <td>Group (control, IM)</td> <td>0.107</td> <td>0.049-0.236</td> <td>< 0.001</td> <td>3.188</td> <td>0.782-13.001</td> <td>0.106</td> </tr> <tr> <td>Age, years</td> <td>1.171</td> <td>1.074-1.278</td> <td>< 0.001</td> <td>1.084</td> <td>0.961-1.223</td> <td>0.191</td> </tr> <tr> <td>Gender</td> <td>1.165</td> <td>0.595-2.283</td> <td>0.656</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BMI percentile</td> <td>1.255</td> <td>0.423-2.722</td> <td>0.683</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ALT, U/L</td> <td>0.090</td> <td>0.043-0.186</td> <td>< 0.001</td> <td>3.277</td> <td>0.933-11.515</td> <td>0.046</td> </tr> <tr> <td>GGT, U/L</td> <td>1.011</td> <td>1.006-1.015</td> <td>< 0.001</td> <td>0.999</td> <td>0.992-1.005</td> <td>0.702</td> </tr> <tr> <td>ALB, g/L</td> <td>6.979</td> <td>3.447-14.131</td> <td>< 0.001</td> <td>0.471</td> <td>0.177-1.258</td> <td>0.133</td> </tr> <tr> <td>DB, μmol/L</td> <td>1.248</td> <td>1.120-1.390</td> <td>< 0.001</td> <td>1.230</td> <td>1.054-1.435</td> <td>0.008</td> </tr> <tr> <td>PLT, 10⁹/L</td> <td>1.611</td> <td>0.183-14.153</td> <td>0.667</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FAP, dB/m</td> <td>0.108</td> <td>0.033-0.355</td> <td>< 0.001</td> <td>2.941</td> <td>0.485-17.856</td> <td>0.241</td> </tr> <tr> <td>Size of liver</td> <td>0.382</td> <td>0.153-0.956</td> <td>0.04</td> <td>1.408</td> <td>0.416-4.767</td> <td>0.582</td> </tr> </tbody> </table> | Variables | Univariate analysis | | | Multivariable analysis | | | OR | 95% CI | P value | OR | 95% CI | P value | Group (control, IM) | 0.107 | 0.049-0.236 | < 0.001 | 3.188 | 0.782-13.001 | 0.106 | Age, years | 1.171 | 1.074-1.278 | < 0.001 | 1.084 | 0.961-1.223 | 0.191 | Gender | 1.165 | 0.595-2.283 | 0.656 | | | | BMI percentile | 1.255 | 0.423-2.722 | 0.683 | | | | ALT, U/L | 0.090 | 0.043-0.186 | < 0.001 | 3.277 | 0.933-11.515 | 0.046 | GGT, U/L | 1.011 | 1.006-1.015 | < 0.001 | 0.999 | 0.992-1.005 | 0.702 | ALB, g/L | 6.979 | 3.447-14.131 | < 0.001 | 0.471 | 0.177-1.258 | 0.133 | DB, μmol/L | 1.248 | 1.120-1.390 | < 0.001 | 1.230 | 1.054-1.435 | 0.008 | PLT, 10 ⁹ /L | 1.611 | 0.183-14.153 | 0.667 | | | | FAP, dB/m | 0.108 | 0.033-0.355 | < 0.001 | 2.941 | 0.485-17.856 | 0.241 | Size of liver | 0.382 | 0.153-0.956 | 0.04 | 1.408 | 0.416-4.767 | 0.582 |
| Variables | Assignment explanation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age | 1="1 year ≤ age ≤ 3 years"; 2="3 years < age ≤ 7 years" 3="7 years < age ≤ 18 years" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMI percentile | 1="BMI percentile ≥ 90%"; 2="BMI percentile < 90%" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT | 1="ALT > 40 U/L"; 2="ALT ≤ 40 U/L" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GGT | 1="GGT > 60 U/L"; 2="GGT ≤ 60 U/L" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALB | 1="ALB ≥ 40 g/L"; 2="ALB < 40 g/L" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DB | 1="DB > 7 μmol/L"; 2="DB ≤ 7 μmol/L" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FAP | 1="FAP > 249 dB/m"; 2="FAP ≤ 249 dB/m" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size of liver | 1="normal size of liver"; 2="abnormal size of liver" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EBV DNA load | 1="EBV DNA load ≥ 500 cps/MI"; 2="EBV DNA load < 500 cps/MI" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSM | 1="LSM > 6.5 kPa"; 2="LSM ≤ 6.5 kPa" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Variables | Univariate analysis | | | Multivariable analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | OR | 95% CI | P value | Adjusted OR | 95% CI | P value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age, years | 1.073 | 0.960-1.198 | 0.214 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gender | 0.837 | 0.359-1.953 | 0.681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMI percentile | 0.978 | 0.961-0.995 | 0.011 | 0.976 | 0.957-0.995 | 0.013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT, U/L | 0.659 | 0.283-1.537 | 0.335 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GGT, U/L | 1.001 | 0.995-1.006 | 0.821 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALB, g/L | 0.855 | 0.762-0.959 | 0.007 | 0.866 | 0.762-0.985 | 0.028 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DB, μmol/L | 1.035 | 0.953-1.124 | 0.413 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLT, 10 ⁹ /L | 1.000 | 0.996-1.004 | 0.917 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EBV DNA load, cps/MI | 1.000 | 1.000-1.000 | 0.045 | 1.000 | 1.000-1.000 | 0.290 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FAP, dB/m | 1.020 | 1.001-1.039 | 0.036 | 1.022 | 1.001-1.044 | 0.039 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size of liver | 1.727 | 0.720-4.141 | 0.221 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Percentage of abnormal lymphocytes, % | 0.978 | 0.935-1.024 | 0.347 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serum ferritin, μmol/L | 1.000 | 0.999-1.001 | 0.597 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Variables | Univariate analysis | | | Multivariable analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | OR | 95% CI | P value | OR | 95% CI | P value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Group (control, IM) | 0.107 | 0.049-0.236 | < 0.001 | 3.188 | 0.782-13.001 | 0.106 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Age, years | 1.171 | 1.074-1.278 | < 0.001 | 1.084 | 0.961-1.223 | 0.191 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gender | 1.165 | 0.595-2.283 | 0.656 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BMI percentile | 1.255 | 0.423-2.722 | 0.683 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALT, U/L | 0.090 | 0.043-0.186 | < 0.001 | 3.277 | 0.933-11.515 | 0.046 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GGT, U/L | 1.011 | 1.006-1.015 | < 0.001 | 0.999 | 0.992-1.005 | 0.702 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALB, g/L | 6.979 | 3.447-14.131 | < 0.001 | 0.471 | 0.177-1.258 | 0.133 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DB, μmol/L | 1.248 | 1.120-1.390 | < 0.001 | 1.230 | 1.054-1.435 | 0.008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLT, 10 ⁹ /L | 1.611 | 0.183-14.153 | 0.667 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FAP, dB/m | 0.108 | 0.033-0.355 | < 0.001 | 2.941 | 0.485-17.856 | 0.241 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Size of liver | 0.382 | 0.153-0.956 | 0.04 | 1.408 | 0.416-4.767 | 0.582 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Результат | - Из 357 обследованных детей 350 детей успешно прошли обследование на iLivTouch (98,0%; возрастной диапазон: 1,1-17,3 года; 209 мужчин). - Значения LSM (выраженные в среднем±SD) были значительно выше в группе ИМ (n=112, 5,1±1,8 кПа), чем в контрольной группе (n=238, 3,5±1,3 кПа; P<0,001). - Значения UAP не показали существенных различий между группой ИМ (198,9±23,1 дБ/м) и контрольной группой (183,6±19,9 дБ/м, P=0,060). - В группе ИМ, процент индекса массы тела (ИМТ) (P=0,011), сывороточный альбумин (ALB) (P=0,007), ВЭБ Согласно одномерному анализу, DNAload (P=0,045) и UAP (P=0,036) были связаны с фиброзом печени. - С помощью многомерного анализа, процентиль ИМТ≥90% (P=0,013), ALB<40 г/л (P=0,028) и UAP>249 дБ/м (P=0,039) рассматривались как независимые факторы, имеющие отношение к фиброзу печени. - После лечения LSM у детей с ИМ снизился (P<0,001). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Заключение | - Методология iLivTouch применима для скрининга жесткости печени у детей. - Жесткость печени быстро увеличивается у детей с ИМ, но уменьшается после лечения. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

