**Table 1. Descriptive statistics for the ultrasound wave attenuation coefficient with the use of the most common approaches by specialists in the ultrasound diagnostics and the authors’ algorithm, Me [Q1; Q3]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Steatosis grade** | **With of the most common approaches by specialists in the ultrasound diagnostics** | **With the authors’ algorithm** | **P vale** | **F test** | |
| **F** | **P value** |
| Steatosis grade 1 | 0.65 [0.56; 0.73] | 0.66 [0.65; 0.68] | 0.4 | – | – |
| Steatosis grade 2 | 0.74 [0.68; 0.81] | 0.78 [0.75; 0.80] | 0.010 | 0.141 | 5.506e-11 |
| Steatosis grade 3 | 0.77 [0.70; 0.86] | 0.85 [0.83; 0.88] | 0.003 | 0.082 | 7.61e-11 |

**Table 2. Comparative characteristics of the methods of quantitative ultrasound steatometry based on the contingency tables**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Method** | **Result (n = 271)** | | | | **Sensitivity** | **Specificity** |
| **TP** | **FN** | **FP** | **TN** |
| The authors’ algorithm | 155 | 18 | 6 | 92 | 0.896 | 0.939 |
| The most common “rules” used by specialists in the ultrasound diagnostics | 130 | 43 | 21 | 77 | 0.751 | 0.786 |

FN, false negative; FP, false positive; TN, true negative; TP, true positive

**Table 3. Comparison of the results of measurement of the ultrasound wave attenuation coefficient by the specialists with various working experience (n = 12), Me [Q1; Q3]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Steatosis grade** | **Working experience** | | | | **P value** |
| **1–3 years** | **11–20 years** | **4–10 years** | **Above 21 years** |
| No steatosis | 0.575 [0.566; 0.595] | 0.575 [0.556; 0.586] | 0.587 [0.574; 0.598] | 0.585 [0.573; 0.588] | 0.6 |
| Steatosis grade 1 | 0.685 [0.659; 0.704] | 0.691 [0.678; 0.704] | 0.660 [0.645; 0.698] | 0.693 [0.650; 0.701] | 0.3 |
| Steatosis grade 2 | 0.787 [0.746; 0.814] | 0.792 [0.758; 0.798] | 0.793 [0.757; 0.813] | 0.781 [0.746; 0.814] | > 0.9 |
| Steatosis grade 3 | 0.872 [0.861; 0.877] | 0.875 [0.848; 0.887] | 0.864 [0.857; 0.871] | 0.869 [0.847; 0.879] | 0.4 |