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Summary

ASSESSMENT OF LIVER STIFFNESS IN SUBJECTS WITH NON-ALCOHOLIC FATTY LIVER DISEASE WITH ILIVTOUCH AND FIBROSCAN: RESULTS OF PROSPECTIVE TRIAL

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A comparative study of FibroScan 502 and iLivTouch FT200 for liver stiffness measurement in 105 patients with non-alcoholic fatty liver disease found moderate correlation but significant differences in values and low agreement in fibrosis staging.

KEY POINTS

- iLivTouch achieved higher success rate than FibroScan (86.9±19% vs 68.7±29%, p<0.001), particularly in patients with BMI >35 kg/m^2 where FibroScan failed in 5 cases but iLivTouch succeeded.
- Liver stiffness values differed significantly overall (9.6±6.6 kPa iLivTouch vs 6.9±4.5 kPa FibroScan, p<0.0001) despite moderate correlation (Spearman R=0.56).
- In advanced fibrosis (F2+, n=29), device values were similar (p=0.2), but in mild fibrosis (F0-1, n=71) iLivTouch values were significantly higher (7.4±3.0 kPa vs 4.9±1.0 kPa, p<0.001).
- Agreement in fibrosis stage classification using manufacturer cut-offs was low to moderate, ranging from 42.9% for F1 to 70% for F4.
- Authors suggest new cut-off values for iLivTouch may be needed to improve accuracy for fibrosis staging in NAFLD patients.

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