

Does the device detect a real pelvic floor contraction?

Simultaneous ultrasound check of the EMG signal.

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THE TEST

51 asymptomatic women

EMG detection and bladder-base movement were observed during the same contraction.

Conti4All portable EMG biofeedback device

Ultrasound: Samsung HM70 EVO (WH), C2-8 probe

WHAT WE FOUND

100.0%

Concurrent detection

Exact 95% CI: 93.0–100.0%

TAKE-HOME MESSAGE

EMG feedback is feasible during ultrasound-confirmed pelvic floor activation.

Prospective studies with synchronized raw device and ultrasound data, including negative and repeated trials, are needed for full validation before testing in women with urinary incontinence.