AcuPebble® SA100

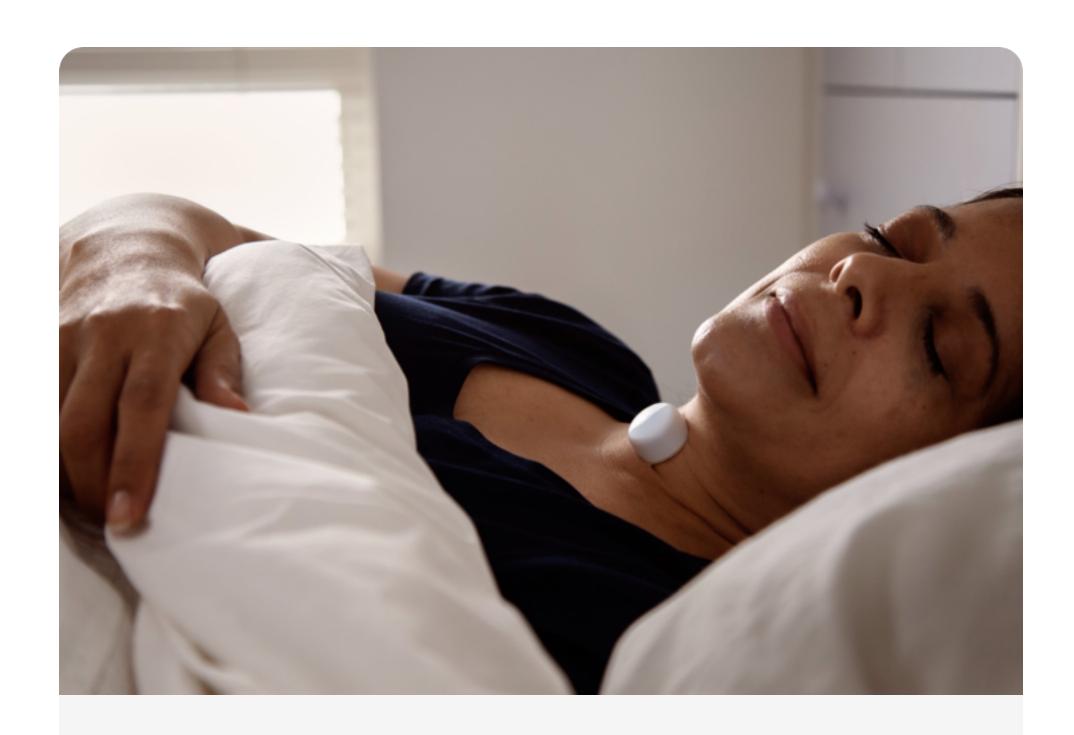
The first medical device to obtain the CE mark for the automated diagnosis of Obstructive Sleep Apnoea



Clinically validated diagnosis

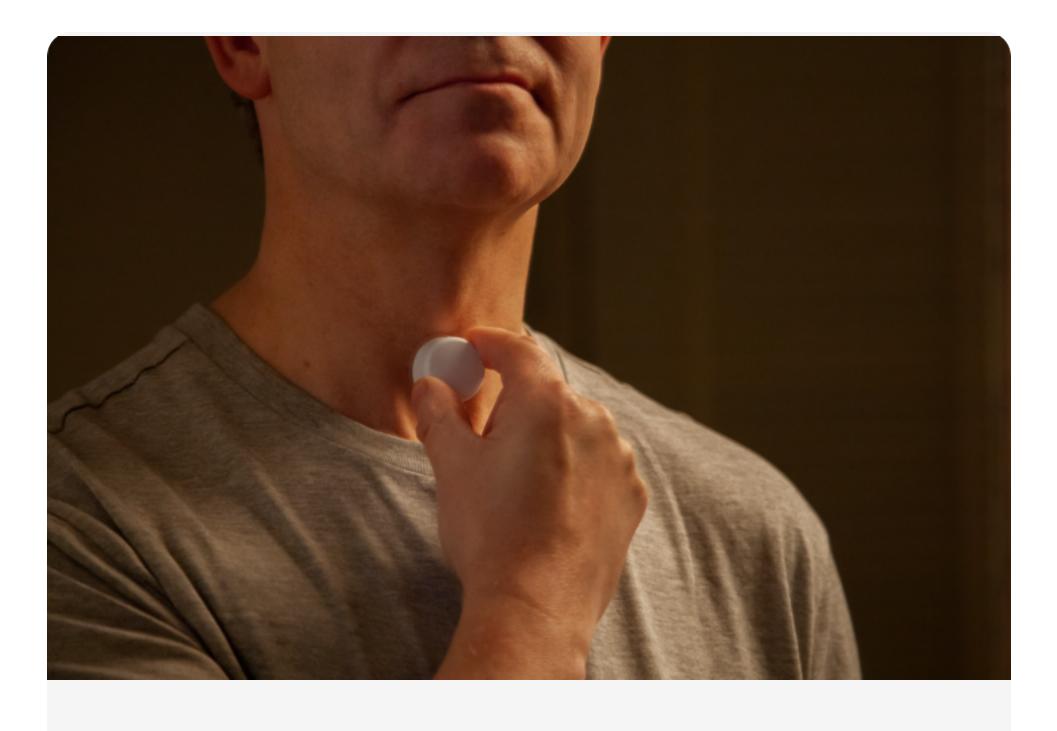
AcuPebble SA100 automated sleep apnoea diagnosis was validated in a powered clinical trial at the NHS Royal Free Hospital in London.

- Validated diagnosis equivalent to ambulatory gold-standard (multi-channel polygraphy followed by manual specialist interpretation).
- ▶ Validated **AHI and ODI based diagnoses** for both 3% and 4% desaturation criteria with high accuracy (94% PPV, 98% NPV).



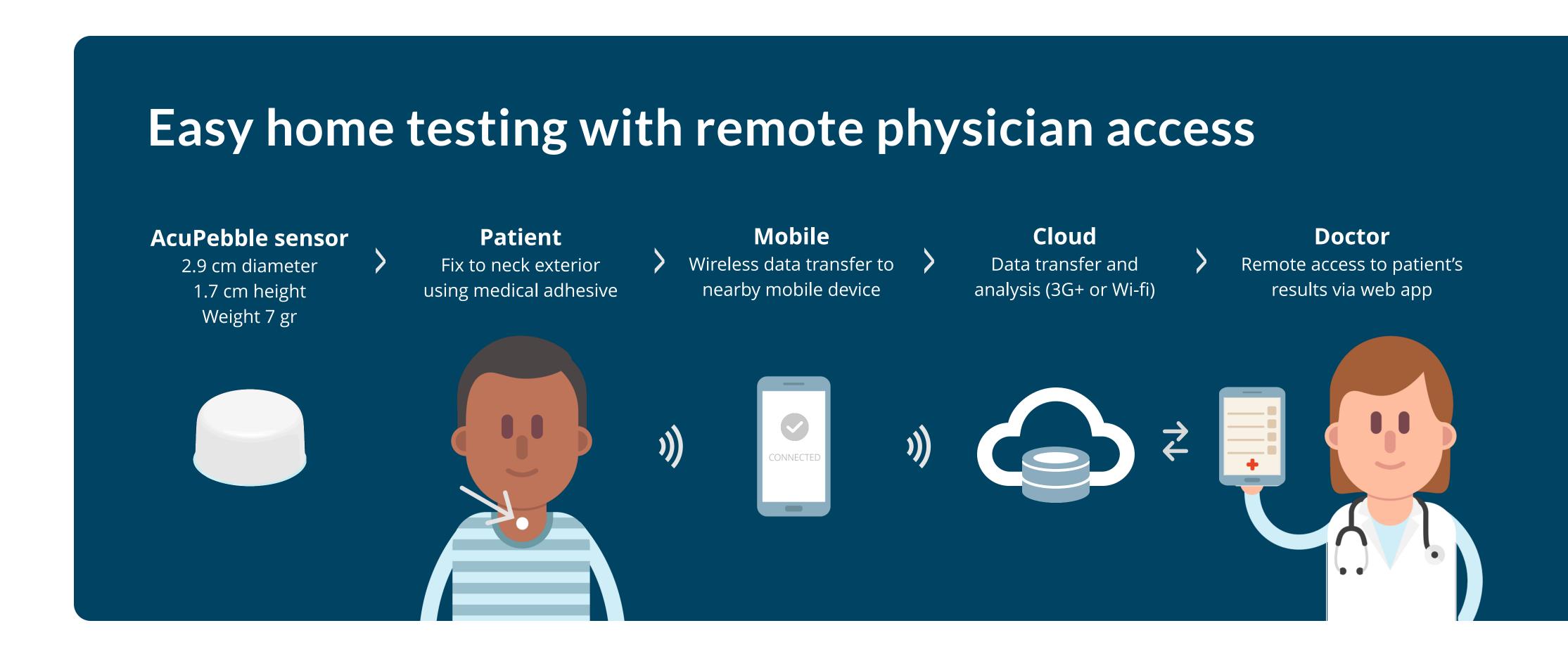
Patient-friendly design

- **Easy to use**: as simple as peeling off an adhesive and putting it on.
- Non-invasive: allows patients to have a more natural sleep at home.
- No training required: avoids unnecessary trips to the clinic.



Cost-effective solution

- Accurate automatic diagnosis: more tests with the same resources.
- Simple and fast: no need to train patients; reduced waiting times.
- Reliable: reduces invalid tests that must be repeated.



Reduce the burden for patients with remote testing

- The device can be sent to patients by post, avoiding unnecessary trips.
- Less time off work needed, reducing the associated socio-economic impact.
- No risk of contagion, as the sensor can either be disposed of or easily disinfected.

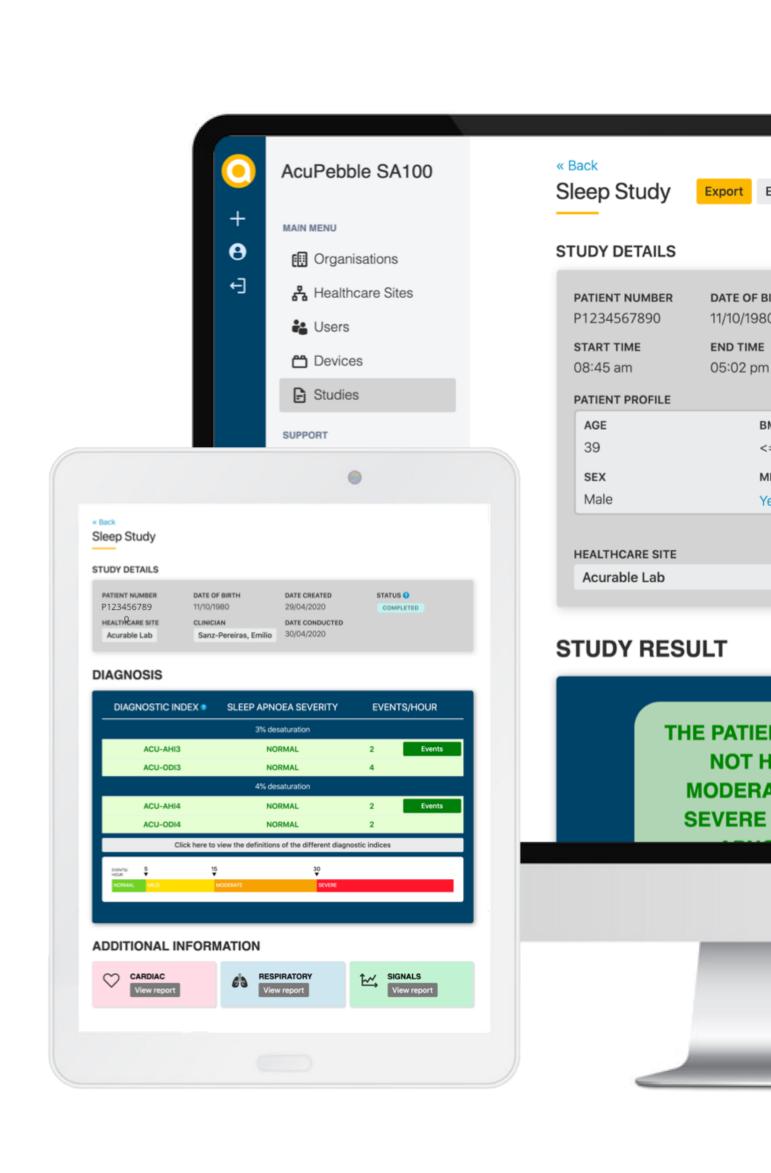
Detailed sleep study report

DIAGNOSIS DETAILS

- Overall diagnosis (test result and severity).
- ► AHI obtained from flow reductions and 3% desaturation (as per current AASM criteria).
- ► AHI obtained from flow reductions and 4% desaturation.
- ▶ ODI using 3% desaturation and 4% desaturation.
- All parameters obtained from estimation of sleep time.

ADDITIONAL INFORMATION

- Classification of events.
- Respiratory and cardiac features analysis.



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