

SUN. **S**peech **U**nderstanding in **N**oise.

The hearing ability screening test



The ability to hear and communicate is a key to quality of life.

The goal of hearing screening in adults is to identify possible diminished hearing ability that might impair communication or limit social life.

Pleasurable interactive screening audiometry for children and adults.



Senti

Reliable audiometry combining fast screening methods and objective diagnostics in a handheld instrument with touch-screen.



Sentiero

Path medical focuses on objective and subjective audiological diagnostics including (pre)school and adult hearing screening. We also provide and support tracking solutions and consulting services.

We need it every day ...

Speech Understanding in Noise - The earlier sign of an initial hearing impairment in adults is the difficulty to understand speech in noise or challenging situations, such as crowded places, streets, at a dinner or a party. The Senti – SUN test includes a fast and automated speech in noise procedure specifically designed to test hearing ability.

... and it's easy to test.

Short test time – The test procedure presents a short sequence of speech stimuli in background noise. SUN scores the number of correctly identified stimuli and determines whether hearing ability is within or below the normal range. The test time per ear is less than 1 min.

Direct and easy interactions – For each stimulus in the test sequence, SUN provides three alternative responses and the subject directly selects the perceived stimulus by touching the screen. The procedure is easy, fast, and enjoyable. The test does not require specific memory or reading skills, and is suitable for adults of any age.

Test reliability – The test proved to be robust for use in non clinical settings, and does not necessarily require interaction with a tester. Results of a large population study confirm that the test outcomes are highly correlated with standard audiological measures.



Time	Test history	Result
SUN	R 01.06.2010 10:21	✓
MAGIC	L 28.05.2010 16:35	✓
MAGIC	R 28.05.2010 16:35	⚠
PTA	R 28.05.2010 16:30	✓
MAG25	L 28.05.2010 12:25	✓
PTA	R 27.04.2010 13:53	✓

Features

- Three-alternative multiple-choice
- Set of (twelve/fifteen) VCVs in speech-shaped noise
- Different language options
- Touch-screen interface
- Speech level: user selectable, automatically decreasing SNR
- Result: clear green/yellow/red score

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