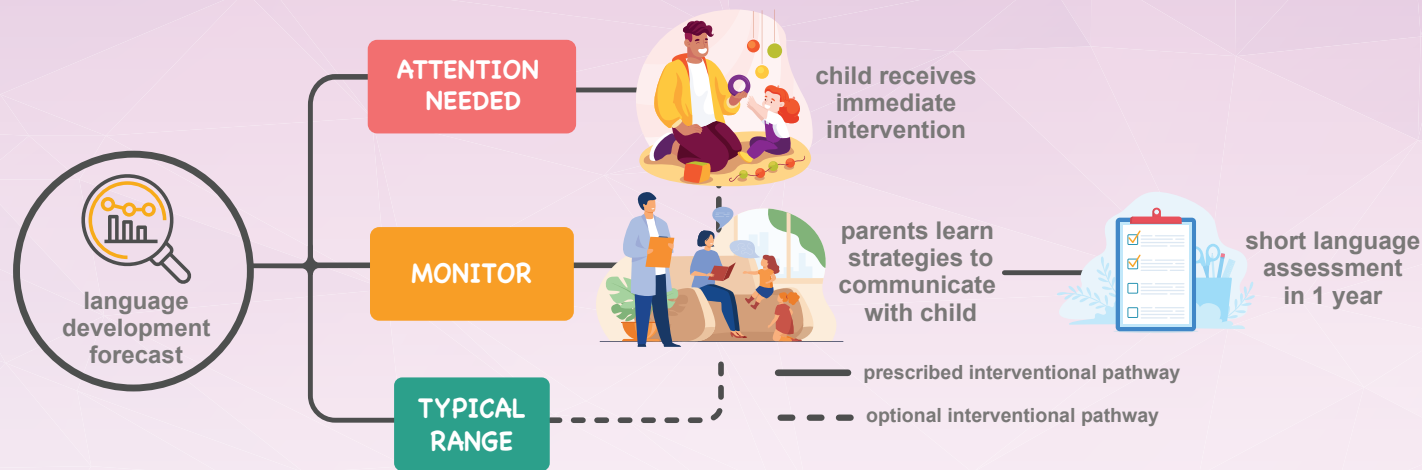


Application

- Precision Listening® brain technology is a 10-minute EEG test conducted on a baby while they are naturally sleeping to predict language impairment from infancy.
- EEG signals are analyzed by a patented AI-enabled predictive algorithm.
- Results indicate if the baby requires immediate attention for intervention, close monitoring for re-evaluation, or is in the typical language developmental range.

Three Intervention Options after EEG Test (Precision Listening®)



Scan for video demo



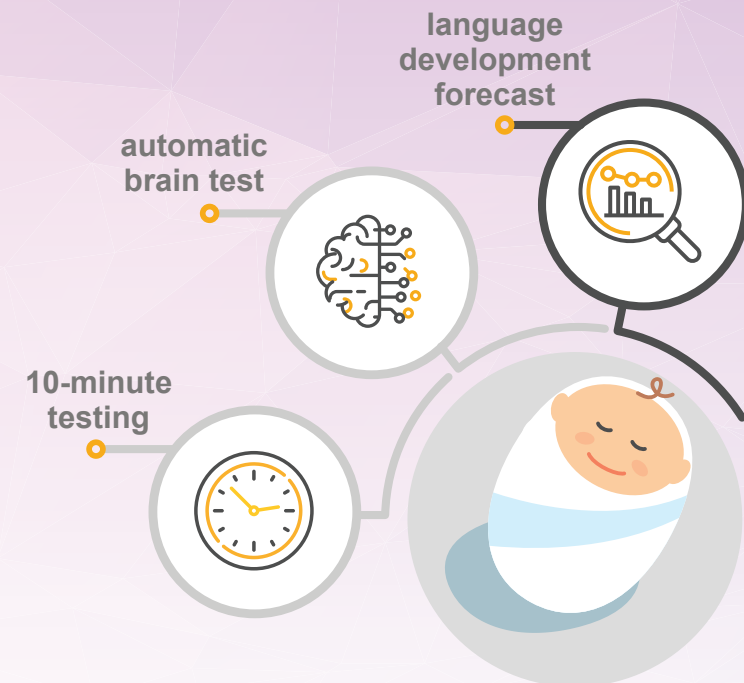
Precision Listening® technology is commercially available at

Foresight

Language and Learning Solutions Limited

Brain Tech for Babies

to predict Language Impairment



香港中文大學
The Chinese University of Hong Kong

Our Invention

Our invention is a 10-minute automatic brain test for babies to forecast whether they will grow up to have language impairment (marketed under the trade name **Precision Listening®**). It serves as an indicator for prescription of early intervention to reduce the impairment's impact.

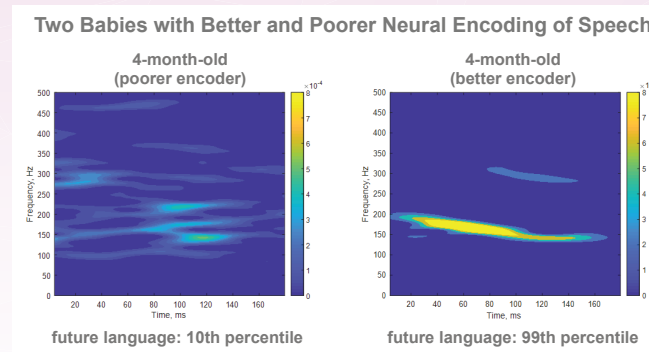
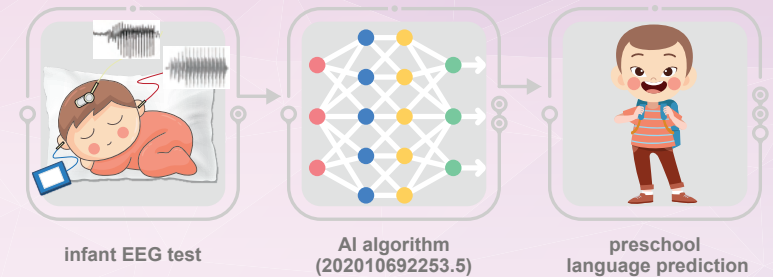
Background

- About 25% of children experience some form of language impairment.
- Early intervention administered in infancy and early toddlerhood is more effective than intervention prescribed in later childhood.
- Behavioural tests are not reliable to access infant's language development until they are 3 or 4 years old.
- Brain tech enables testing to predict language impairment in infancy, much earlier than current clinical behavioural testing.

Innovation

- Precision Listening®: An electroencephalography (EEG) test enabled by AI prediction algorithms to provide prognostic indications of language developmental outcome. (PRC Patent No. 202010692253.5.)
- Precision Listening® measures how precise an infant's nervous system encodes and differentiates speech sounds, and makes a prediction about the infant's language abilities in preschool years.
- Invented by linguists, cognitive neuroscientists and paediatricians at The Chinese University of Hong Kong based on a large and growing sample of infants (e.g., Wong et al., 2021).

Baby EEG (Precision Listening®) to Forecast Language Ability in Preschool Years



Scan for first research paper

