Early Audition Starts with the Family.



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CIICA
COCHLEAR IMPLANT INTERNATIONAL COMMUNITY OF ACTION. AISBL

Clínica Universidad de Navarra

Early Audition Starts with the Family

Do we need to be taught how to respond to a newborn?





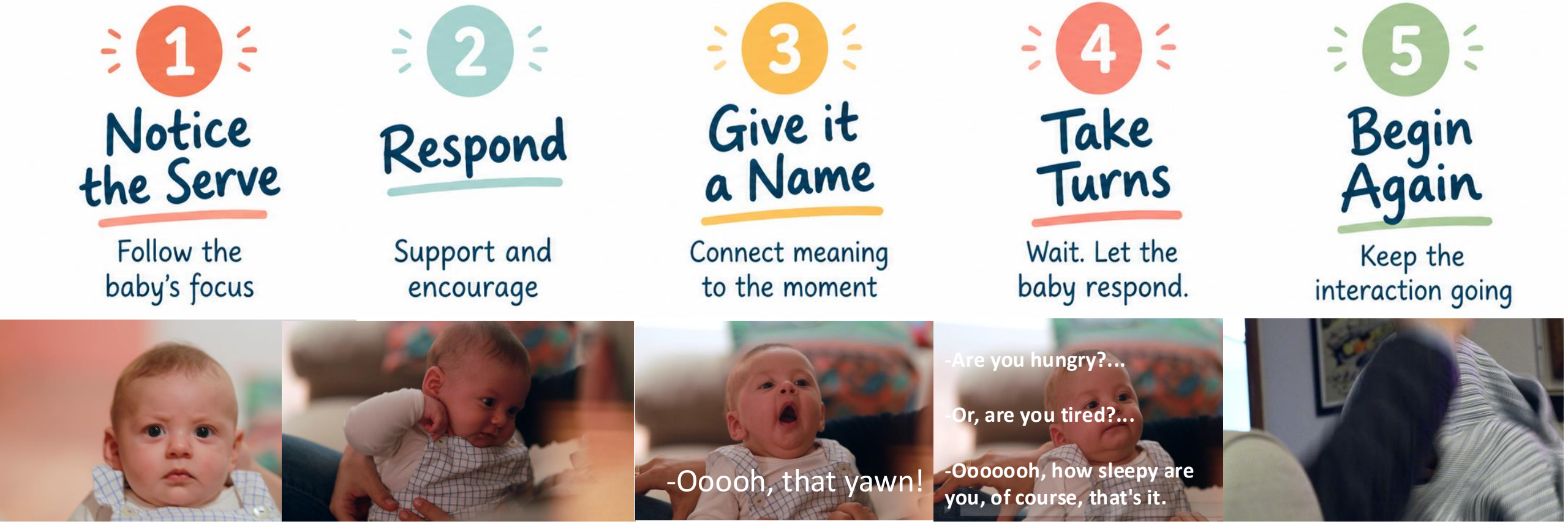




We are wired to notice, interpret and respond.

Serve and return — five everyday interactions

From an infant's first signal to a shared conversation



A baby's gesture becomes communication when an adult notices and responds.

Adapted from the five-step serve-and-return sequence in the original CIICA draft.

Make the trial productive

1. **VERIFY**
   RECD · prescriptive targets



2. **QUANTIFY**
   Aided audibility · SII



3. **OBSERVE**
   Family support



4. **TRACK**
   Use · functional progress



- Verify access
- Support the family
- Observe listening
- Act early if benefit is limited

The trial should inform action — not delay early implantation.

NICE TA566, 2019 · Mylanus et al., European consensus, 2026 · Cortical measures: potential adjunct, not a validated standalon e CI decision

The missing pathway: parent support

Start at diagnosis. Continue alongside audiological care.

AUDIOLOGICAL PATHWAY



FAMILY PATHWAY



A real example: Münster Parental Programme

29 parents · 24 children · improved parental responsiveness (p = .002)

Glanemann et al., 2013 · Kelly et al., 2022 · FCEI-DHH, 2024 · Results measure parenting behaviour, not long-term language outcomes

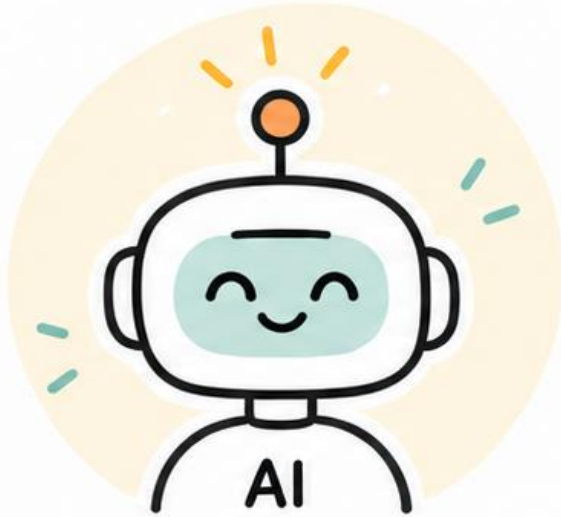
Children vs. ChatGPT

A final thought about what makes early learning possible



A CHILD

A few years



AN AI COMPARISON

92,000 years

The baby is already learning. Why are we still waiting to support the family?

Max Planck Institute for Psycholinguistics, 24 June 2025 · Rowland et al., Trends in Cognitive Sciences, 2026 · Analogy, not a literal experiment