The relevant work by **Shin (2025)** in human-AI interaction focuses on the psychological impact of generative AI, particularly how users' perceptions of **credibility, empathetic responsiveness, and algorithmic reasoning** influence trust and potential dependency, and how system biases shape design. The **Neurodivergent Scale for Interacting with Robots (NSIR)** can be applied to measure the user-reported outcomes of these factors.

Anthropomorphic Connection/Kinship

- Shin notes that AI systems incorporating emotional expression can deepen dependence. The NSIR can quantify this bond. Items like **"The robot is more like me than anyone else I know"** and **"I gave my robot a name"** would measure the strength of the personal connection that results from the "human-like" design choices discussed in the research.

Social Comfort/Trust

- Shin highlights the importance of "empathetic responsiveness" and "credibility" for user trust. The NSIR's **social comfort/trust** dimension directly assesses these aspects. Items like **"My robot can tell what I am feeling, when I am sad, it can tell I am sad"** and **"I believe that my robot is the same with me as it is with anyone"** measure the user's perception of the robot's consistency and understanding, which is crucial for building the appropriate level of trust.

Safety

- The research discusses "epistemological risks" like misinformation and algorithmic nudging, and the need for transparency to build trustworthiness. The NSIR's **safety** dimension provides a crucial user-reported measure that ensures the interaction environment is fundamentally safe. The item about undressing in front of the robot speaks to maintaining secure personal boundaries, a key consideration given the potential for dependency and nudging mentioned in Shin's work.

The NSIR translates the ethical and psychological considerations of the Shin paper into a practical, user-centric evaluation tool for the neurodivergent population.

Would you like to explore another article from the document, or perhaps a deeper dive into the concept of **"cyberchondria"** as it relates to HRI?