Socially Assistive Robots for Children with Cerebral Palsy
A Meta-Analysis

**Purpose**
Do children with CP find SARs engaging?

1. Do the aesthetic and functional design criteria of the SAR impact engagement?
2. Do the age and specific diagnosis of the child impact the SARs ability to engage the child?
3. Do interventionists support the use of SARs for therapeutic interventions for children with CP?

**Methods**

- **Records yielded after preliminary search**: 583 records
- **Total studies included**: 9 studies
- **Unique SAR designs**: NAO, CosmoBot, MARKO, Glus, ISR-RobotHead
- **Participants with identifying information**: 24 participants with ages 2-18 years, inclusion of a SAR

**Results**

SARs can be effectively used to engage children with CP in therapeutic interventions

**Improvements:**
1. Aesthetic and functional design with the goal of being engaging
2. Augmented therapeutic programming that are task specific and goal oriented
3. Therapeutic success metrics