**INTRODUCTION**

**Background Client Information**
- 4 ½ year old male referred to Munroe-Meyer Institute’s Kearney Health Clinic by pediatrician in 9/08.
- Biological mother in federal prison; client living with guardians for four months prior to intake; prenatal exposure to methamphetamine (MA), alcohol, and nicotine.
- Seizures started at 9 months of age, controlled with medication. Had at least two seizures in last year.
- Global developmental delays; Communication at age 4.
- Medications within last year: Clonidine, Risperdal, (Rasmussen, Horne, & Witol, 2006).

**Presenting Concerns**
- Profanity (repetitive use of F**), aggression (self & others).
- Seizures started at 9 months of age, controlled with medication. Had at least two seizures in last year.
- Global developmental delays; Communication at age 4.
- Medications within last year: Clonidine, Risperdal, (Rasmussen, Horne, & Witol, 2006).

**Relevant Literature**
- Literature is limited on effects of prenatal exposure to MA, specifically in differentiating these effects from those of postnatal environmental exposure and a deprived early environment. (Derauf et al., 2008).
- MA exposure may lead to: Reduced brain structure in areas associated with learning new information, deficits in sustained attention, delays in verbal memory, and psychosocial risks as result of maladaptive, abusive, or neglectful parenting (Derauf et al., 2008).

**Prenatal exposure to alcohol linked to deficits including decreased intelligence, developmental delays, impairment in memory and judgment, and attention deficits (Rasmussen, Home, & Witol, 2006).**

**Obstacles to Progress**
- Guardians reportedly implemented recommendations with good to excellent integrity, with >75% treatment integrity.
- Despite adherence to recommendations, progress was slower and more variable than what is seen in >90% of clients.
- Demonstrated atypical responses to attention, tangibles, and opportunities for escape.
- Demonstrated unpredictable regression of behaviors.

**Focus of further treatment**
- Guardians are generally happy with improvements made. Behavior at home is typically reported to be under control. Guardians no longer have regularly scheduled appointments.
- Functional analysis of profanity
- Possible hypotheses: attention-seeking
- Sensory stimulation

**Major remaining concerns include:**
- Further establishment and generalization of instructional control
- Improving peer interaction/independent play skills
- Improving public behavior/safety in public
- Extinguishing profanity in all environments

**REFERENCES**
