CLINICAL-TRANSLATIONAL RESEARCH SYMPOSIUM

POSTER **ABSTRACTS**

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RESEARCH PLAN FOR A CASE REPORT OF D-LYXO-HEXULOSE TREATMENT IN AN INFANT WITH **PRADER-WILLI SYNDROME**

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Prader-Willi Syndrome is a complex genetic disorder involving a nation for D-lyxo-hexulose to treat Prader-Willi Syndrome. Dvelopment of obesity remain unaffected. To fulfill this unmet drome and a larger subsequent clinical trial. need, we have submitted an application for orphan drug desig-

dysfunctional hypothalamic-pituitary axis and has an estimated lyxo-hexulose is a C4 epimer of fructose with comparable prevalence of 1/15,000, which is equivalent to 40,000 affected sweetness to sucrose, and has regulatory approval for use as a individuals in the United States. The symptoms of Prader-Willi food additive. It has previously shown beneficial effects on sa-Syndrome include hypotonia, hypogonadism, impaired intellec- tiety in clinical studies with healthy individuals and weight loss tual development, short stature, and excessive hyperphagia in clinical studies with Type 2 Diabetes Mellitus patients, but its leading to severe obesity. Patients with Prader-Willi Syndrome effects on satiety and weight loss have not yet been evaluated have a six-fold increased risk of premature death compared to in Prader-Willi Syndrome. Thus, we are preparing to conduct an healthy controls, most often due to obesity-related complica- exploratory case study for the efficacy of D-lyxo-hexulose treattions. Although treatment with recombinant human growth ment in an infant with Prader-Willi syndrome. The results of this hormone shows beneficial effects on many of the symptoms of case study will be used in the future to support the approval of Prader-Willi Syndrome, the excessive hunger and resulting de- orphan drug status for D-lyxo-hexulose in Prader-Willi Syn-

Utility of the CAARS Validity Scales in Identifying Feigned ADHD, Random Responding, and Genuine ADHD

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quency Index (CII), as well as for the Inconsistency Index (INC).

feigning.

Results: Overall, the INC showed moderate sensitivity to random responding (.44-.63) and fairly high specificity to ADHD (.86 -.91). The CII demonstrated modest sensitivity to malingered

Objective: Due to recent concern about malingered self-report ADHD (.31-.46) and excellent specificity to genuine ADHD (.91 of symptoms of attention- deficit/hyperactivity disorder (ADHD) -.95). Sequential application of validity scales had correct classiin college students, there is an urgent need for scales that can fication rates for honest (93.1%), ADHD (81.0%), malingering detect feigning of this disorder. The present study provided fur- (57.1%), half random (42.3%), and full random (92.9%). Of note, ther validation data for a recently developed validity scale for the INC and CII flagged more malingerers as invalid when apthe Conners' Adult ADHD Rating Scale (CAARS), the CAARS Infre- plied in a stepwise manner (57.1%), as opposed to when using the CII alone (34.3%).

Participants and Methods: A total of 139 undergraduate stu- Conclusions: Although the present study demonstrated modest dents completed the CAARS; 21 individuals with diagnoses of sensitivity in the detection of feigning, the fact that 43-69% of ADHD, 29 individuals responding honestly, 54 individuals re- malingerers went undetected suggests the need for more responding randomly to either all or half of the CAARS items, and search. This study has added to the literature by demonstrating 35 individuals instructed to malinger ADHD while avoiding de- the utility of the CAARS validity scales working together to distection. A financial incentive of \$25 was offered for successful tinguish between various response sets. Finally, if using the algorithm clinically, clinicians should have strong specificity and at least modest sensitivity in the detection of feigning on the CAARS, provided results are successfully cross-validated.