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Autism Diagnostic Interview (ADI™-R)**

Availability:	Please visit this website for more information about the instrument: Autism Diagnostic Interview Link
Classification:	Supplemental: Mitochondrial Disease (Mito)
Short Description of Instrument:	The Autism Diagnostic Interview (ADI™-R) is a semi-structured instrument given to parents of individuals with possible autism and is used to diagnose autism, plan treatment and distinguish autism from other developmental disorders. It consists of 111 items, focusing on three main areas(i) quality of reciprocal social interaction, (ii) communication and language, and (iii) repetitive, restricted and stereotyped patterns of behaviour. In general items are coded 0 (no evidence of abnormality), 1 (some evidence of abnormality), and 2 (evidence of marked abnormality). Higher scores are indicative of greater abnormality, resulting in a classification of ‘autism’ or ‘no autism’. In contrast to the <i>ADOS</i> , the severity of autistic symptomatology is not assessed by the <i>ADI-R</i> .
Rationale/ Justification	<p>Strengths:The ADI-R is an interview based diagnostic tool for ASD and easier to administer than the ADOS.</p> <p>Weaknesses: The tool does not break down the severity of symptoms. May over call ASD in children and adults with intellectual disabilities.</p> <p>Specific to Mitochondrial Disease: : Autism spectrum disorders have been reported in individuals with mitochondrial disorders. The ADI-R is one of the two gold standard methods of diagnosis ASD in children and Adults. There have been no studies to validate the assessment in individuals with mitochondrial disorders.</p>
Scoring:	Each item is rated on a 0-9 scale, with an autism diagnosis indicated when scores in threespecific behavioral areas are above cutoff scores.
References:	<p>Le Couteur, A., Lord, C., & Rutter, M. (2003). Autism Diagnostic Interview-Revised (ADI-R). Retrieved Mar. 5, 2009, from Autism Genetic Resource Exchange, Los Angeles, CA.</p> <p>Lord, C., Rutter, M., & Le Couteur, A. (1994). Autism diagnostic interview-revised: A revised version of a diagnostic interview for caregivers of individuals with possible pervasive developmental disorders. <i>Journal of Autism and Developmental Disorders</i>, 24(5), 659-685</p> <p>Kylie M. Gray Æ Bruce J. Tonge Æ Deborah J. Sweene Using the Autism Diagnostic Interview-Revised and the Autism Diagnostic Observation Schedule with Young Children with Developmental Delay: Evaluating Diagnostic Validity. <i>J Autism Dev Disord</i> (2008) 38:657–667</p>