Mo-S-080
Clinical implications of ADHD latent class subtypes, dimensionality and emotional dysregulation
W. Chen
Child and Adolescent Psychiatry, University of Southampton, Southampton, UK

The nosological definition of ADHD has been the subject of controversies, as exemplified by debates surrounding its DSM-V revision, dimensionality, categorical subtypes and the temporal stability of ADHD as a diagnostic construct. Furthermore, the close relationship between Emotional Dysregulation and core ADHD symptoms suggests a shared underlying deficit in ‘self-control’, implicating Emotional Dysregulation an integral aspect of ADHD. This presentation contributes towards these debates by sharing new research data regarding the quantitative genetic consideration and latent class (LC) subtypes of the ADHD diagnosis; and, more specifically, how to improve the temporal stability of ADHD as a diagnosis, in relation to its subtyping and the clinically important “lost tributes” (i.e. the LC mild combined subtype of ADHD) – hitherto left unrecognized and “homeless” within DSM-IV and DSM-V proposals. Furthermore, new data will be presented on the genetic validity of Emotional Dysregulation symptoms and on the patterns of association between Emotional Dysregulation, ADHD latent subtypes and other comorbid symptoms.

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Mo-S-081
DSM-V conundrums and the restrictive-inattentive subtype
R.G. Klein
Child and Adolescent Psychiatry, New York Langone Medical Center, New York, NY, United States of America

The DSM-IV diagnosis of Attention/Hyperactivity Disorder (ADHD) stipulates three types, each emphasizing different aspects of the clinical dysfunctions subsumed within ADHD: Inattention, Hyperactivity and Impulsivity. The Combined Type indicates the presence of sufficient criteria to qualify for both inattention and hyperactivity/impulsivity symptomatology. This subtype is the best studied, and may be most common. The Predominantly Hyperactive Type is applied to individuals who meet diagnostic criteria for hyperactivity/impulsive symptoms, but not inattention, and is uncommon. In contrast, Predominantly Inattentive Type encompasses instances when diagnostic criteria are met for inattention symptoms, but not hyperactivity/impulsivity. This subtype may pose diagnostic conundrums. It applies to individuals who in the past may have had the full complement of inattention, as well as hyperactivity and impulsivity, but now meet diagnostic criteria only for inattention. The diagnosis is also applicable to those with a negative history of hyperactivity and impulsivity, thus leading to diagnostic heterogeneity. The presentation will address clinical implications of the ADHD Predominantly Inattentive Type, and potential approaches by the DSM-5 to refine diagnostic classification of ADHD, Predominantly Inattentive Type.

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From perception to memory in ASD

Mo-S-082
Atypical processing of emotional faces

Conclusions.– Inattentiveness appears to be a prominent and persistent feature of ADHD-combined type in older subjects and should be weighted accordingly in diagnosis. One common set of definitions is appropriate for both genders, but with a lower symptom threshold for females.

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Mo-S-083
Atypical perception processing and its relationship to memory
B. Guillery-Girard∗, K. Lebretong, G. Marcaggi b, L. Bon a, A. Hamel-Desbrûreses, F. Bonnet-Brilhault c, C. Barthélémy c, J. Baleyte b, F. Eustache s
a Unité Inserm-EPHE, université de Caen U1077, Caen cedex, France
b Service de psychiatrie de l’enfant et de l’adolescent, CHU de Caen, Caen, France
c UMRS Inserm 930, CNRS ERL 3106, université François-Rabelais, Tours, France
∗Corresponding author.

Social deficits are one of the most striking manifestations of autism spectrum disorders. Among these social deficits, the recognition and understanding of emotional facial expressions has been widely reported to be affected. We investigated emotional face processing in high functioning children with autism and in two groups of typically developing children (chronological age-matched and verbal equivalent age-matched) using event related potentials. Our results suggest that the emotional and facial processing difficulties in autism could start from atypicalities in visual perceptual processes involving rapid feedback to primary visual areas. We also investigated the mental representation of faces, or face concept by comparing face drawings in children with autism, deaf children and controls. We found an atypical face concept in ASD that did show similarities with the one of deaf children. These findings further suggest that impairments in social interaction in ASD may be impacted by primary sensory deficits.

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Mo-S-084
Episodic memory in ASD: Recent developments
D. Bowler
Department of Psychology, City University London, London, UK

The findings of a range of different experimental paradigms have now established that individuals from the high-functioning end of the autism spectrum recollect the personally-experienced past in ways that are different from that of typical individuals. Similar difficulties have also been reported for pre-experiencing the future – so-called ‘episodic future thinking’. These atypicalities help us to understand autism spectrum disorders in a number of different ways. First, they provide a reliable way of investigating underlying brain atypicalities in autism. Research will be presented that shows different patterns of event-related scalp potentials and fMRI activations in individuals with autism when performing episodic and semantic memory tasks. Episodic memory research has also pro-

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