suggested associations between TS and ADHD and antistreptococcal antibodies (PANDAS = pediatric autoimmune neuropsychiatric disorders associated with streptococcal infections). Since postinfectious autoimmune processes might generally play a role in the pathophysiology of neuropsychiatric disorders, we included antistreptolysin O (ASLO) and antistreptodornase (ASD) in our routine laboratory measures in our outpatient clinic.

Methods.— Determination of ASL and ASD titer in routine laboratory check-ups in the outpatient clinic of the Department of Child and Adolescent Psychiatry at the University Hospital Ulm.

Results.— Two hundred and fifty-eight measurements distributed on the following diagnoses: 57 tic disorders, 58 ADHD, 16 OCD, ten anxiety, 60 depression, 57 conduct disorder. Results revealed that the frequency of elevated ASL and/or ASD titer did not differ between diagnostic groups. Boys showed more often elevated titers than girls.

Conclusion.—Neuroimmunological factors might contribute to the development of neuropsychiatric disorders in a subgroup of children, especially males, but does not seem to predispose specifically to tic disorders or ADHD.

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Mo-S-129

Variability of performance and within neurobiological measures in children with TS

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Behavioral variability is an important developmental marker and considered negatively related to the ability to exert cognitive control. Along with other developmental domains, children with ADHD have a well-documented impairment, possibly a developmental lag, with a higher rate of behavioral variability compared with controls. Little attention has been paid to behavioral variability in children with TS. We thus aimed to map both cognitive control and brain activity as measured with electrophysiology in a speeded forced-choice visual task (modified Eriksen flanker task) in children aged 8–12 years with TS with and without comorbid ADHD and in healthy control children. In the context, that variability of RT correlated inversely with age in all groups, our preliminary data (78 participants) show that children with TS with and without comorbidity have longer RT’s than the control children and higher variability of RT’s compared with controls and children with ADHD.

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Mo-S-130

Does active tic suppression result in a paradoxical rebound in tic frequency and intensity?

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Gilles de la Tourette syndrome is a chronic motor and vocal tic disorder. Recently, it has been suggested that not only medical treatment but also behavioural therapy using Habit Reversal Training (HRT) is effective in the treatment of tics. HRT aims to increase patients’ tic awareness and to develop a competing response in order to replace annoying tics with this competing, more comfortable or socially acceptable movement. HRT is based on the presence of a premonitory urge before the tic. Medical doctors and patients, however, expressed the concern that HRT may result in a “rebound” effect, a paradoxical increase in tics (above baseline levels) after tic suppression. Recent studies, however, demonstrated that tic frequency during post-suppression was higher than during suppression, but lower than baseline levels. Limitations of available studies are the small number of patients included and patients’ age (only children). We, therefore, investigated the “rebound” effect in a large group of adults (n = 40). Since adults can suppress their tics more effective than children, it can be speculated that the “rebound” effect is different in children compared to adults. We investigated not only the patients’ subjective experience on the degree of tic suppression and “rebound” but also used a validated video tic rating.

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The diagnostically homeless: towards a multidimensionnal approach of the PDD-NOS

Mo-S-131

Diagnostically homeless from DSM

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Children with developmental and complex behavior disorders tend to present to clinics with multiple domains of dysfunction including the areas of mood regulation, attention, and thinking. Common within clinical settings, little is known about these children longitudinally or therapeutically. The reasons for the lack of knowledge and progress as it pertains to these youth are complicated, but clearly research on these children has been hampered by the fact that they do not fit into our nosological categories. They are not given a label with criteria. Diagnostically homeless, they are thus either excluded from studies as not meeting criteria for an autism spectrum disorder, mood disorder, schizophrenia, or mood disorder, or are included in samples with conditions like attention deficit hyperactivity disorder adding to the heterogeneity of those conditions when they have more than that. The goal of this talk is to further explicate the problem and suggest possible solutions.

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Mo-S-132

Dys Harmony, multiple complex developmental disorder or pervasive developmental disorder-NOS?

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Su-S-132 bis

Relevance of a subtype of PDD-NOS: “Multiple Complex Developmental Disorder (MCDD)”

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Objectives.—Improve diagnosis and treatment of children presenting psychotic symptoms.