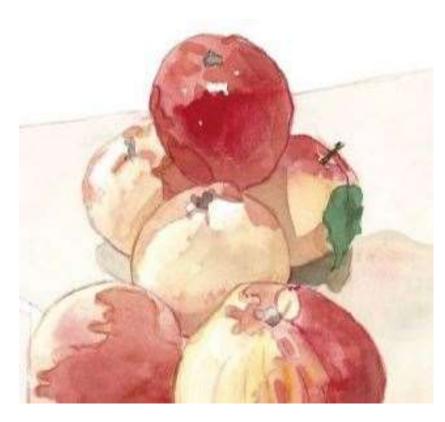


Gillberg Neuropsychiatry Centre Sahlgrenska Academy

Gothenburg ongoing research SF-BUP May 2023





(B) UNIVERSITY OF GOTHENBURG



www.gu.se/gnc





- Longitudinal follow-up studies 15-40 years later (age 20-60 years)
 - -Autism (population-based studies, n about 500)
 - -Asperger syndrome (representative, n about 100)
 - -IDD (n about 300, mild, moderate and severe included)
 - ADHD/DAMP (n about 200)
 - Anorexia nervosa (n 51)
 - -22q11del syndrome (n 100)





- PANS (n about 100 to date)
 - clinical symptoms, background, immunology, genetics, interventions including IVIG RCT, outcomes





- Regressive autism (n about 100)
 - clinical symptoms, background, immunology, genetics, relationship to epilepsy, interventions including IVIG RCT, outcomes





- MAPP (Maltreatment Associated Psychiatric Problems)
 - Presentation, comorbidity and genetics collaboration across Scotland and Sweden





- ARFID (n ?)
 - -Japanese and Swedish studies on clinical presentation, comorbidity, prevalence and interventions





• Language disorders (n about 150)

 Screening, diagnostics, interventions, background, comorbidities, prospective longitudinal, outcomes





• ESSENCE-Q (10-12 item versions)

-Japanese (JECS), Spanish, Slovenian, Indian, Mongolian, Serbian, South African, Scottish, and Swedish studies





• ESSENCE-D (150 item version) – diagnostic aid, online platform – RCTs ongoing in Sweden, Scotland, and South Africa





- ESSENCE genetics (n about 1000)
 - -Ongoing projects with Pasteur Institute and Biobank Torshavn





- ESSENCE neuroradiology and neurophysiology (n about 300)
 - MRI
 - -fMRI
 - -EEG
 - -ERPs
 - -Eye movements
 - Pupillary dilation/pupillary contagion
 - -AI motor behaviours/behavioural phenotype characterization





- ESSENCE overlap (general population study in NPR and CATSS)
 - Prevalence, comorbidity patterns and genetics





- New motor and social interaction assessment tools
 - -Ongoing projects in collaboration with Strathclyde, Harvard, and Glasgow universities





• **PR-ESSENCE (Problem Resolution in ESSENCE)** - RCT with long-term follow-up





• Bumetanide

-Controlled trials in children and young people including fMRI-studies





- Studies in the pipeline
 - -Ehlers Danlos genetics and molecular biology
 - -Gender dysphoria and ESSENCE and vice versa
 - -Motor programmes RCTs in DCD



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