

The **Child and Adolescent Psychiatric Department of the University Hospital “la Pitié-Salpêtrière” in Paris**, France offers both inpatient, daycare and outpatient units. Head of the Department is Pr David Cohen. For more information please also visit our website: <http://speapsl.aphp.fr>.

The hospital contains a total of 67 beds, divided in 6 specialised units:

- one unit for children with 14 beds,
- two units for adolescents with 15 beds each,
- one intensive care unit with 6 beds,
- two units for patients (children, adolescent and adults) with autism spectrum disorders (needed somatic and psychiatric specific care) (16 beds).

The outpatient clinic allows care for up to 40 patients and is subdivided in 3 separate units:

- one general psychiatry unit for adolescents
- one specialised unit for patients with severe learning disabilities and presenting an autism spectrum disorder,
- one specialised unit for patients presenting severe autism spectrum disorders

One scholar establishment, from primary school to secondary school, depending of the French national education service.

An outpatient unit for:

- General psychiatry and
- 5 highly specialised outpatient clinics:
  - Center for learning disabilities.
  - Center for rare diseases (better ‘somatic diseases’) with psychiatric symptomatology (early onset schizophrenia, catatonia, metabolic, genetic and immunologic disease...)
  - Center for autism spectrum disorders.
  - Center for Tourette syndrome and tic disorders.
  - Emergency unit

A department of psychology (individual, family or group therapies).

A department of occupational therapy.

A department of speech therapy.

Three affiliated clinics (outside the hospital):

- Vivaldi clinic for patients between 0 to 3 years old and their parents.

- One medico-psychological clinic for patients living in the 12<sup>th</sup> arrondissement of Paris.

- One clinic inside the Trousseau hospital (paediatric hospital) in liaison with the neonatology service.

### Scientific interests

The department of child and adolescent psychiatry of the ‘Hopital La Pitié Salpêtrière’ welcomes children and adolescents with a wide variety of pathologies. (but patients presenting with eating disorders).. The hospital holds a strong clinical and scientific expertise in all subdisciplines within child and adolescent psychiatry.

The hospital has a strong expertise in the diagnosis and treatment of acute, severe, chronic and treatment resistant psychiatric disorders in children and adolescents and conducts scientific research in several fields.

Further specific areas of expertise: (non-exhaustive)

Bipolar disorders

catatonia

Early onset schizophrenia,

autism spectrum disorders

learning disabilities

Psychopharmacology (in particular antipsychotics).

Genetics aspect of schizophrenia, catatonia and autism spectrum disorders (in collaboration with Stanford University).

Engineering (Collaboration with the Institute of intelligent systems and robotics ISIR, depending on the Institute of research and medical care, ISIR CNRS UMR 7222).

#### Ongoing scientific studies:

Psychopharmacology:

French Naturalistic multicentre study: "ETAPE" monitoring all adverse effect of antipsychotics.

European multicentre studies:

"PERS"

Long term efficiency and safety of risperidone and aripiprazole

A randomised double-blind controlled clinical trial of risperidone against placebo. (in which study population?)

French multicentric study: "TOPRADER": A randomised double-blind controlled clinical trial of topiramate against placebo (in which study population?)

"STOP"

Prospective monitoring on suicidal for patients under fluoxetine, risperidone and aripiprazole.

Hormonal risk factors for osteoporosis in children and adolescents with severe mental illness (assessing prolactin and vitamin D blood levels in every inpatient and assess risk factor and treatment effect on this two risk factor for osteoporosis)

French multicenter study on dose-effects of melatonin treatment in patients with autism spectrum disorder.

Mood disorders:

Naturalistic study in a cohort of 80 patients with bipolar disorders:

epidemiological, clinical, etiopathogenic and therapeutics aspects.

French Multicentric Clinical Study on Disruptive Mood Dysregulation Disorder.

Early onset schizophrenia:

Developmental approach of Early Onset Schizophrenia (EOS): the role of dimensional assessment, clinical characterization, and genetic risks.

Emotion recognition in EOS. Study of emotion identification deficits for facial, auditory and crossmodal stimuli with a specific focus on the relationship between the history of premorbid developmental anomalies and emotion identification impairment.

#### Catatonia:

Naturalistic study on catatonia (cohort of 100 patients): epidemiological, clinical, etiopathogenic and therapeutics aspects, organic morbidity and genetic aspects.

#### Borderline personality disorders:

Experimental protocol on hormonal correlate (oxytocin, cortisol) and non-verbal language (posturing and facial expression) among adolescent with borderline personality disorder in distress.

#### Dyspraxia and learning disabilities:

Exploring the relationship between empathy and visuospatial dyspraxia in children and adolescents with and without psychiatric comorbidities.  
Kinetics analysis of fine eye movements and role of the cerebellum in adolescents presenting with dyspraxia and / or learning disabilities.  
Genetics of several learning disability

#### Autism spectrum:

European project « Michelangelo » in collaboration with the Institute of engineering, intelligent system and robotic (ISIR) (use the official and original name, no need to translate): Developing new diagnostic and therapeutic strategies in autism spectrum disorders.

#### Clinical capacity

In 2013:

- 383 patients were hospitalized.
- 7264 consultations were conducted at “La pitié-Salpêtrière”, including 881 emergency consultations and 1147 new patients.
- 2851 patients were seen in the outpatient clinic (or daycare clinic?)

*Socio-demographic data for each patient and specific data for those enrolled in a research project are held in a centralised database.*

*Access to data regarding patients presenting catatonia and bipolar disorders are particularly easy as two large cohorts are ongoing since more than 20 years.*

#### Technical capabilities

Laboratory of biochemical and immunological standard biological analysis, immunologic and metabolic lumbar puncture, biopsy...  
Neuro-imaging (XRay, TDM, MRI).  
Electroencephalogram.  
Electrocardiogram.  
Genetic exploration such as defining Karyotype, pan-genomic chip, single chip...  
Statistical analysis.  
Machine learning.