

IDEA (Impact Douleur Enfant Adolescent): quantitative and qualitative description of children and adolescents referred to 14 French outpatient pediatric pain clinics, first results.



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Justine Avez-Couturier 1, 2, 3, 4, IDEA Study Group 4, Jean-Philippe Antonietti 5, Rémy Amouroux 4, 5 ty Hospital, Lille, France sity Hospital, Lille, France

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 Pediatric Pain Clinic, Chronic Pain Clinic, Lille Universit
Pediatric Neurology, Pediatric Department, Lille University

3. CIC IT 1403. Lille University Hospital, Lille, France

4. SFETD (IASP French Chapter) Pediatric Committee

5. Psychology Institute, UNIL Lausanne University, Switzerland

INTRODUCTION: Less is known about children and adolescents referred to outpatient pediatric pain clinics, especially in France (King, 2011). IASP French chapter, SFETD, and its pediatric committee therefore organized with APICIL foundation support IDEA study (Impact Douleur Enfant Adolescent).

PURPOSE: The aim of this study was to describe characteristics and impact of chronic pain in children from 8 to 18 years referred to French outpatient pediatric pain clinics.

METHODS

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Conduct of the study :

RESULTS:

• Population: 263 patients were included, 234 inclusions with complete data were analyzed.

- Demographic data: 176 patients (75.5%) included were girls school more than 10 days during the last 3 months. (sex ratio 0,32), mean age was 12.9 (2.58).
- · Localization of pain: figure 1.

• Duration of pain: for 167 patients (71.4%) pain lasted for more than one year. Pain was permanent for 114 (48.7%), permanent pain was more frequent in Neuropathic pain/CRPS group (73.2% of this group, p = 0.001).

· Pain Intensity: mean VAS was 6.65 (1.6), there was no difference between groups.

• Chronic diseases: 64 patients (27.5%) had a chronic disease, this characteristic is more frequent in Musculo-skeletal pain (37.5%) and Abdominal pain (33.3%) (p=0.002).

· Family history of chronic pain: 85 patients (36.6%) had a familial history of chronic pain, no difference between groups.

Medications: mean number of medications received was 2.79 (1.85). 91 patients (39.2%) had received opioïds but only 8

(15.4%) in Headaches group (p=0.001).

• Diagnosis: figure 2.

School / work impact : 91 patients (39.4%) were absent from

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• Healthcare use : 186 patients (81.2%) had never been hospitalized because of their pain. Mean number of physician appointments was 14.23 (18.81) and is more important in the Musculo-skeletal pain group [18.25 (24.42), p=0.02]. 220 patients (95.7%) had at least one paraclinic test. Mean number of exam was 7.18 (7.09), no difference between groups.



CONCLUSION: IDEA is the first prospective multicenter descriptive study about children and adolescents referred to PPC in France. The first results show that patients has moderate to severe pain which is permanent in almost half the cases. Referral to PPC is late, pain is present since more than one year at referral for most patients. Chronic pain generate school absence and important health care use in our population, suggesting important direct and indirect costs, as previously described (Groenewald, 2015). Further analyses of IDEA results will describe more comprehensively our population and the impact of pain on children and parents functioning and quality of life.

