

Santiago, July 15th, 2021

## 2019 ISPAD “Allan Drash” Clinical Fellowship Report

**Recipient:** Franco Giraud, MD, PhD (c). Maternal and Child Research Institute (IDIMI) – University of Chile and Juvenile Diabetes Foundation of Chile (FDJ).

**Duration of the program:** 5 weeks, between May 10<sup>th</sup> and June 11<sup>th</sup>, 2021 (delayed for COVID-19).

**Host center:** DECCP (Diabetes Endocrinology Care Clinique Pediatrique), KannerKlinik, Centre Hospitalier de Luxembourg with collaboration of the Luxembourg Institute of Health and Diabeter, Rotterdam.

**Host coordinator:** Dr. Carine De Beaufort.

### Objectives:

General:

- Improve clinical care skills in pediatric and adolescent diabetes

Specific:

- Observe the multidisciplinary work for the care of pediatric patients with T1D
- Training in assembly and maintenance of a clinical population register
- Exploit the data generated to develop population research
- Participate in a camp for children, adolescents and / or families with T1D (not possible for COVID reasons)
- Observe and discuss the main biomedical research developed by the center

### Activities:

- Visits to the pediatric diabetes clinic (outpatient and inpatient)
- Attendance to clinical meetings of the pediatric diabetes clinic
- Induction and work in the SWEET clinical registry
- Presentation and discussion of the research projects developed or in collaboration by the center
- Visit and discussion of population registries at Luxembourg Institute of Health
- Visit to Diabeter, Rotterdam, as example of a diabetes center focused in technology

**What I learned from the fellowship:** an excellent example of multidisciplinary work, planned and with concrete and specific evaluations. The team operates in a structured manner, with clear responsibilities for all members. This allows patients and their families to know who to turn to, when and why.

An important factor in this health structure is the SWEET clinical registry, from which metrics are obtained that allows the Unit's work to improve.

The education provided by the entire team to their patients in charge is truly multidisciplinary and includes nurses, doctors, nutritionists and a psychologist.

Visits to the Luxembourg Institute of Health and Diabeter allowed me to deepen the importance of keeping clinical registries and how to implement a new one in my reality, with reasonable objectives and goals and in a phased manner.

In addition, I was able to observe the scenario of caring for children and adolescents with T1D in a country with greater resources than mine, achieving evidence of the benefits and problems associated with the massive use of technology in diabetes, as well as the clinical research that arise from its use.

**Expected applications to my own center and clinical practice:** after my fellowship, I am able to adapt, establish and promote a local registry to generate a national registry in pediatric diabetes and, in the long term, include adult patients.

The implementation of the project will allow generate a local analysis to my own center and, probably, national reports of the current situation on demographic, diagnosis and treatment of child and adolescent diabetes which will generate new assistance and educational projects to improve the care, in a bio-psycho-social way.

**Acknowledgments:** I want to deeply thank the entire team of the Unit. Thanks to pediatric endocrinologists Carine, Michael, Marianne, Ulrike and Chiraz, thanks to nurses Muriel and Yazmina, many thanks to psychologist Michèle, and thanks to secretaries Eva and Sophie.

Thanks to the Luxembourg Institute of Health team.

Thanks to the Diabeter staff in Rotterdam, for hosting me for a week and showing me their center at the forefront of technology in care processes, monitoring and analysis of results.

**Personal note for Dr. De Beaufort:** thank you very much to the President of the ISPAD, that invited me to postulate to the grant, scheduled the stay and guide me in many aspects during one month. Carine: you are awesome! Was nice to see the work your team is doing and acknowledge how was possible to reach there. I really hope we will continue working together in clinical and research projects.

**Dr. Franco Giraud A.**

Pediatrician, PhD (c) in Medical Sciences - University of Chile  
Medical Adviser - Juvenile Diabetes Foundation of Chile