Name **CENTER OF COMPREHENSIVE CARE FOR PATIENTS WITH DIABETES**
Country **MEXICO**
Town **MEXICO CITY**
Workplace. **NATIONAL INSTITUTE OF MEDICAL SCIENCES AND NUTRITION SALVADOR ZUBIRAN**

One-line outline of your project.
"Development and validation of a software linked to a website that provide medical treatment and patient empowerment with type 2 diabetes, interaction with medical staff and generating a real-time"

What excites you about the work?
The possibility of having an electronic tool that not only allows data collection more accurately, but also contributes to support decision –making, increases the interactions patients-relatives-helath providers and diminish clinical inertia. In addition, the system will collect patients'data and the possibility of having a national registry of diabetes, which can display real-time analysis. Another advantage is to have more contact with the patient in order to facilitate adherence and identify adverse events in a timely manner.

What is your background and why your involvement?
Our multidisciplinary team coordinates an out-patient clinic of a university hospital in which empowering strategies and novel technologies are applied for treatment of type 2 diabetes. We developed an initial electronic record that was used in the query as usual diabetes clinic where favorable results were obtained. However, it seeks to enrich the tool to avoid clinical inertia and enhance compliance and patient communication.

Mention the international aspect of your research and the opportunities being in this programme gives you.
The WHO proposes a model for the care of chronic diseases, with 5 leading points. One of them is the electronic register for care, monitoring and evaluation of patients. In addition, several articles have demonstrated the benefit of using electronic records helping to achieve a major metabolic control of patients, and generating reminders for health personnel regarding medical care. To facilitate the use of the tool, it must improve the interaction with the user and should be attractive in terms of design and utility. The impact with the user implies that the solution adds value to their current treatment, provides benefits in health and economic, and the solution is integrated into the services it currently receives. This last point is relevant to the case of diabetes, where the patient must coordinate healthcare at all times.
Our electronic tool should be exportable to other Spanish speaking populations, besides Mexico. We will apply and validate the tool in the Spanish users of the Latino Clinic at the Joslin Clinic (Harvard University, Boston, MA USA) under the coordination of Dr. Enrique Caballero. We are opening collaborations with other US centers.

Who will you be working with and how?
In the project will participate 5 endocrinologists, 1 doctor of clinical psychology, 1 master in public science, and 2 systems engineers. The team belongs to INCMNSZ and Joslin Clinic. The Systems Department of the INCMNSZ will be responsible for software design and installation. Logistics will be held with 4 endocrinologists in Mexico. Validation of the variables included will be in charge of the doctor in clinical psychology and the master in public science. The replication of the system will take place in the Joslin Clinic.

What makes your project unique?

The tool will have several advantages:

1. Collection of data in real time
2. Instruments against clinical inertia
3. Emission of alerts in different interventions for patient profiles that help to have a quick and general overview of the current state of the patient, identifying points requiring further attention to achieve goals and overcome barriers to adherence
4. Patient access to their goals of control and monitoring.
5. Facilitates patient direct communication with health personnel

What do you hope to change with your research?

1. The care of patients with diabetes, making it a comprehensive and easily accessible model
2. Involve the patients' self-care and control of their disease
3. Generate a national registry of diabetes

Picture of your research projects.

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