Potential Solutions to Face ABCD and Diabetes in Mexico and Worldwide

Opinion

Currently, the huge public health problem that we face in Mexico [1-4] and worldwide [5-7] can be counteracted by acting on 4 levels, as has been proposed by the ecological model: Individual, Family, Society and Health Policies [8]. According to our experience with more than 400 families and 800 people (adults and children) inside our “Sacbe” program (comprehensive clinical and nutritional family-based program) [9,10], there are 3 strong and potential solutions: 1. Give massive education in each society, 2. Limit or suspend the production of junk food, 3. Give better salaries in Mexico in education. This must focus on about a healthy lifestyle in order to prevent and treat diabetes [11,12], understanding why our current habits of lifestyle are harming our health status, why obesity and overweight must be considered as a serious chronic disease like diabetes that need to be taken care of by a health team, and give strategies according to each family and individual context to achieve changes [13]. It is worrisome that parents are not aware of their actual weight status or that of their children and, when there is awareness of excess weight, they do not understand it as a chronic disease, even they consider obesity and overweight like something aesthetic or only a risk factor, in fact, in several cases parents think that overweight is good for the health or transitory because children are growing and will become normal in the adulthood [14,15].

For this reason, it is an excellent proposal to change the term overweight and obesity by ABCD (Adiposity-Based Chronic Disease), such as last year was suggested [16]. Why are the programs to treat obesity and diabetes successful between 20 and 30%? because the rest of the percentage of success depends on changes in the family, in the whole society and in health policies [6]. Therefore, if we really want to face the pandemic of these chronic diseases, we must face it in an integral and not isolated way. The knowledge is power and the best way to change the world. “Sacbe”, our comprehensive program has reached success in 50-80% of children and their parents in the first month, 3 and 6 months of follow-up because we try and educate whole families and considering their socio-cultural context. “Sacbe” participants achieve these goals: Understanding of obesity and overweight as ABCD, being aware of their real weight status and consequences and the role of unhealthy habits to origin ABCD and Diabetes. Thus, they decide to decrease or suspend junk food intake and improve other unhealthy habits (sedentary lifestyle, short sleep duration, skip meals, zero or insufficient consumption of vegetables and fruits, poor water intake, stress, bad attitude). Through education, they decide to change by conviction and not by imposition; family communication improve and 2 or more family members join efforts to improve their lifestyle [9,10] in spite of limited time and poor incomes [17-19].

The multiple economic, family and personal problems far exceed the desire of people and whole families to take care of their health but undoubtedly, the education of Sacbe program could be a model to educate the whole society in Mexico and in each country with adaptations according sociocultural contexts. It is basic understanding the serious damage caused to health and the environment by the excessive consumption of junk food and it will make easier for health policies to limit the production of this or improve its quality. Health policies should favor the creation [20] of interdisciplinary health teams (doctor, registered dietitian, psychologist and physical activator) trained to treat ABCD and diabetes in schools and workplaces. On the other hand, health policies should ensure that workplaces are close to workers’ houses, that workday time duration is reasonable to allow leisure time activities and that the salaries cover the basic needs of each family so that they have enough time and tranquility to reach and maintain healthy habits. Currently in Mexico, an economic study of the Universidad Nacional Autónoma de México [21], has calculated that people need to work more than 24 hours per day in order to buy basic food and services to live. There is a huge disproportion between salaries and what is required to cover the basic needs of a person.

Besides, we need to consider that there are other important factors that contribute to this pandemic, such as obesity pregnancy, excessive gestational weight-gain, gestational diabetes, absence of breastfeeding, overfeeding of children in the first months and/or poor quality of food. These conditions are programming new generations to develop chronic diseases soon, at younger ages, even from childhood [22] and with outcomes worst than same chronic disease in adults, for example, the TODAY study, the biggest multicenter study in adolescents and young with type 2 diabetes, has reported that 50% of children participants require insulin after 2 years of evolution [23] and 20% of newborn’s of young woman participants presented congenital malformations [24]. Experts have alerted that it is possible that life expectancy in children will be shorter than their parents [25]. A truly civilized society should direct all its resources to develop happy children.
and healthy adults who are aging in dignified conditions, not only because of a high sense of humanity, but also because of the high economic cost could be saved through the prevention and good control of ABCD and diabetes.

Acknowledgement
None.

Conflict of Interest
There is conflict of interest to be declared.

References
21. Centro de Análisis Multidisciplinario de la UNAM (2018) con datos de la Conasami y del cuestionario sobre precios básicos, Mexico, p. 4-25.