

The symbiosis of diet, lifestyle, and fertility



Ari Evelyn Castañeda Ramírez 1, 0000-0002-1465-8255.

MANUSCRIPT

In an era where every morsel of food consumed and each lifestyle choice reverberates through our health, understanding their profound implications on fertility has never been more crucial. From the vibrant heart of Mexico, a nation steeped in a rich tapestry of culinary traditions and diverse lifestyles, springs forth illuminating insights into how these pivotal factors intertwine with the delicate threads of fertility.

Diet, an inextricable component of our existence, wield a formidable influence on reproductive health. The Mexican cuisine, a delectable amalgamation of diverse ingredients, presents both boons and banes in the fertility domain. Rich in fresh fruits, vegetables, and grains, it carries the essence of nutrients vital for enhancing fertility. However, an inclination towards processed foods and sugary beverages, often exacerbated by socioeconomic disparities, casts a shadow of nutritional imbalance, posing risks to optimal reproductive health.

Parallelly, lifestyle practices, ranging from physical activity to stress management, play a cardinal role. In the hustle of modern existence, nuanced by the unique cultural and economic landscapes of Mexico, lifestyle choices become pivotal harbingers of reproductive well-being or adversity.

Drawing from this, recommendations for bolstering fertility unfurl. A conscious embrace of a

balanced diet, imbued with essential vitamins, minerals, and antioxidants, stands paramount. The embrace of traditional Mexican ingredients, such as beans, corn, and tomatoes, can be a cornerstone in nurturing fertility. Mitigating the consumption of processed and high-sugar foods is indispensable for curating a fertile environment within the body.

In tandem, fostering lifestyle practices conducive to reproductive health emerges as essential. Regular exercise, moderation in alcohol consumption, and adequate sleep are pillars supporting the edifice of fertility. Furthermore, navigating stress, a subtle yet powerful disruptor, through mindfulness and coping strategies, contributes profoundly to a fertile foundation.

As the realms of diet and lifestyle intertwine with the essence of fertility, a nuanced understanding and conscious application of their symbiosis become integral in the Mexican context, casting rays of hope and possibility in the journey of reproduction.

FUNDING

This research received no grant from any funding agency in the public, private, or not-for-profit sectors.

CONFLICT OF INTEREST.

The authors declare no conflict of interest.

NOTE: The number following the affiliation markers are the author's ORCID iD.

ARTICLE HISTORY: Received October 17, 2023. Revised October 22, 2023. Accepted November 3, 2023.

Available online December 15, 2023.

CONTACT:
Ari Evelyn Castañeda Ramírez.
ari casra@comunidad.unam.mx
Avenida de los Barrios 112, 54090
Tlalnepantla de Baz. Estado de México.

Phone: +52 55 8232 7999.

¹ Carrera de Médico Cirujano, Facultad de Estudios Superiores Iztacala, Universidad Nacional Autónoma de México, Tlalnepantla 54090, México.

REFERENCES

- [1]. Organización Mundial de la Salud. Obesidad y sobrepeso. Datos y cifras. Ginebra: OMS [citado marzo 3, 2023]. Disponible en: https://www.who.int/ es/news-room/fact-sheets/detail/obesity-and-overweight.
- [2]. Gaskins AJ, Chavarro JE. Diet and fertility: a review. Am J Obstet Gynecol. 2018 Apr;218(4):379-389. doi:
- 10.1016/j.ajog.2017.08.010. Epub 2017 Aug 24. PMID: 28844822; PMCID: PMC5826784.
- [3]. Karayiannis D, Kontogianni MD, Mendorou C, Douka L, Mastrominas M, Yiannakouris N. Association between adherence to the Mediterranean diet and semen quality parameters in male partners of couples attempting fertility. Hum Reprod. 2017 Jan;32(1):215-222. doi: 10.1093/humrep/dew288. Epub 2016 Nov 14. PMID: 27994040.

The Journal of Reproduction 153