



TITLE: Maternal-fetal complications in obese pregnant women from the Artemisa municipality, 2016

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ABSTRACT (upto 300 words)

Introduction: A Body Mass Index (BMI) higher than 30Kg / m² at the beginning of pregnancy is associated with an increased risk of presenting maternal-fetal conditions.

Objective: To describe the main maternal or fetal complications associated with obesity in pregnant women from the Artemisa municipality.

Methods: A descriptive, cross-sectional study was carried out in Artemisa. Of the 832 pregnant women captured in 2016, 179 with BMI > 25Kg / m² were selected from the preconception stage or in the pregnancy capture. By means of a documentary review, the information of interest was obtained: type of obesity and maternal-fetal complications.

Results: 21.5% (179 of 832) of the pregnant women started the pregnancy with a BMI > 25Kg / m². 61.5% (110 of 179) suffered from obesity combined with arterial hypertension (HTN) and / or diabetes. The frequency of complications increased with the presence of these associated pathologies. The main maternal morbidities were vaginal deliveries with obstetric complications, anemia, caesarean sections, pre-eclampsia, and gestational diabetes. 50% of the participants had affected offspring. When maternal obesity was accompanied by HTN, preterm infants were frequently observed. If obese women suffered from pregestational diabetes, major congenital defects were the predominant morbidities in their offspring. Association was not found between preconception overweight and increased risk of fetal disorders.

Conclusions: Around 20 out of 100 women start pregnancy overweight or obese, with an increased risk of maternal-fetal complications proportional to the increase in BMI and the severity with which this disease occurs. This risk is higher when obesity is combined with maternal diabetes.

BIOGRAPHY (upto 200 words)

- Name: Yudelmis Álvarez Gavilán.
- Email: yudelmism1@gmail.com
- Date of Birth: September 8, 1982.
- Place of Birth: Marianao, Havana City, Cuba.
- Sex: Female.
- Nationality: Cuban.
- Cellphone: +34622020794
- Current position: PhD student at the University of León, Spain.
- Graduated: Degree in Biology, from the University of Havana, in 2005.
- Master Degree in Medical Genetics in 2009, at the National Center of Medical Genetics of Cuba.
- Associate Professor in Medical Genetics since February 2015.
- Research category: Associate Researcher.
- Postgraduate courses taught: 36
- Postgraduate courses received: 61
- 19 publications (12 as the first author)
- Research projects in which she participate: 9 (1 of these where she is the principal investigator)
- Speaker in 34 national and provincial events, 5 international events: International Congress of Community Genetics, Cuba 2017; International Nursing Congress in September 2017, International ELAM Graduates Event in April 2018, International Congress Diabetes 2020, International Conference Alergologist 2020, International Conference Diabetes 2022, International Conference Neurologyst 2022.
- President of Teaching Category Court.
- Scientific Societies to which she belongs: Scientific Society of Community Genetics and Cuban Society of Educators in Health Sciences.

LANGUAGES

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