

100 percent of pregnant women have at least one kind of pesticide in their placenta

SpiritIndia.com
an amazing health tech site

Human pregnancy refers to the process by which a human female carries a live offspring from conception until childbirth. The medical term for a pregnant woman is - grávida, just as the medical term for the unborn human is embryo and then fetus.

Home | Cancer | Therapies | Diet & Nutrition | Herbs | Heart | Skin | Cosmetic Surgery | Arthritis | Allergies | Eyes

100 percent of pregnant women have at least one kind of pesticide in their placenta



Ads by Google

Granada

Cathedral of Granada

After Pregnancy

Pregnancy Pain

Pregnancy :: 100 percent of pregnant women have at least one kind of pesticide in their placenta

Human beings are directly responsible for more than 110,000 chemical substances which have been generated since the Industrial Revolution. Every year, we "invent" more than 2,000 new substances, most of them contaminants, which are emitted into the environment and which are consequently present in food, air, soil and water.

Granada Airport car hire

Ford Ka from £53 week Car Hire of the year 2006

50 Hotels in Granada

Book your hotel in Granada online. Find your hotel on a city map!

Ads by Google

Nonetheless, human beings are also victims of these emissions, and involuntarily (what is known in this scientific field as "inadvertent exposure"), every day humans ingest many of these substances which cannot be assimilated by our body, and are accumulated in the fatty parts of our tissues.

This is especially worrying for pregnant women. During the gestation period, all the contaminants accumulated in the organism have direct access to the microenvironment where the embryo/foetus develops. The doctoral thesis *Exposición materno-infantil vía placentaria a compuestos químicos medioambientales con actividad hormonal* (Maternal-child exposure via the placenta to environmental chemical substances with hormonal activity), written by María José López Espinosa, from the Department of Radiology and Physical Medicine of the University of Granada (Universidad de Granada [http://www.ugr.es]), analyzes the presence of organochlorine pesticides –normally used as pesticides- in the organisms of pregnant women. The analysis was developed at San Cecilio University Hospital, in Granada, with 308 women who had given birth to healthy children between 2000 and 2002. The results are alarming: 100% of these pregnant women had at least one pesticide in their placenta, but the average rate amounts to eight different kinds of chemical substances.

Fifteen different pesticides in the organisms of pregnant women

In her study, through the analysis of the placentas, López studied the presence of 17 endocrine disruptive organochlorine pesticides (i.e., pesticides which interfere with the proper performance of the hormonal system). The results showed that the most frequent pesticides present in the placenta tissue are DDE (92.7%), lindane (74.8%), endosulfan diol (62.1%) y endosulfan-I (54.2%). Among these, the most prevalent was endosulfan-diol, with an average concentration of 4.15 nanograms per gram of placenta (156.73 ng/g lipid). Surprisingly, the UGR researcher discovered that some patients’ placentas contained 15 of the 17 pesticides analyzed.

A total of 668 samples from pregnant women were used in this study, which was approved by the Ethical Commission of San Cecilio University Hospital. Mothers were informed of the study’s goals before giving their express consent.

Thanks to gynaecologists, the nurses and the midwives who participated in the study, biological samples were extracted from the blood, the umbilical cord and the placenta during childbirth. The following day, an epidemiological survey was carried out by trained survey statisticians. The survey contained questions on the general data of the parents, their places of residence, profession, medical history, anthropometric information, age, tobacco habits, lifestyle and diet during pregnancy, among other factors.

The study made at the UGR [http://www.ugr.es] has facilitated research into the association of the characteristics of parents, newborn babies and childbirth with exposure to pesticides found in the mothers’ placenta. Among the aspects associated with a higher presence of pesticides we find an older age, higher body mass index, less weight gained during pregnancy, lower educational level, higher workplace exposure, first-time motherhood and lower weight in babies.

"Serious effects on the baby"

According to María José López, "we do not really know the consequences of exposure to disruptive pesticides in children, but we can predict that they may have serious effects, since this placenta exposure occurs at key moments of the embryo’s development".

The research group to which María José López belongs, directed by Prof. Nicolás Olea Serrano, has conducted several studies which associate exposure to pesticides with neonatal malformations if the genito-urinary system, such as cryptorchidism (undropped testicles) and hypospadias (total fusion of the urethral folds).

The UGR researcher underlines the fact that, in spite of "inadvertent exposure", "it is possible to control pesticide ingestion by means of a proper diet, which should be healthy and balanced, through consumption of food whose chemical content is low. Moreover, daily exercise and the avoidance of tobacco (which could also be a source of inadvertent exposure) are very important habits which help to control the presence of pesticides in our organisms.

The Cure for Constipation

All Natural Health Through Harmony 100% Guaranteed to Work!

Costa del Sol Midwife

Pregnant? Need help and support? You need an English Midwife!

Ads by Google

(Last updated on Wednesday, May 16, 2007, and first posted on Monday, May 14, 2007)

► [Send to a Friend](#)

Recently posted related articles on Pregnancy :

- 1. [Pregnancy :: 100 percent of pregnant women have at least one kind of pesticide in their placenta](#)
- 2. [Pregnancy :: No alcohol in pregnancy is the safest choice](#)
- 3. [Pregnancy :: A few more minutes of maternal attachment may reduce anemia in children](#)
- 4. [Pregnancy :: Placental problems in mums who have had a previous caesarean section](#)
- 5. [Pregnancy :: Early baby gender test prompts abortion fears](#)
- 6. [Smoking :: Smoking common during pregnancy](#)
- 7. [Pregnancy :: UN official urges investment in women's health to stem maternal deaths](#)
- 8. [Pregnancy :: Why don't mothers' bodies reject their fetus?](#)
- 9. [Contraception :: Emergency contraception does not reduce unintended pregnancy rate](#)
- 10. [Contraception :: Advanced provision of emergency contraception does not reduce pregnancy rates](#)

Encyclopedia details on [Pregnancy](#). Compare [best books on Pregnancy](#). 10 Best-selling [books on Pregnancy](#). Selected best products on [Pregnancy](#).

Search more information on [Pregnancy](#)

Bestsellers related to Pregnancy :

- 1. [Belly Laughs: The Naked Truth About Pregnancy and Childbirth](#)
- 2. [Belly Laughs: The Naked Truth about Pregnancy and Childbirth](#)
- 3. [Imagery and Meditations for support during your Second Trimester \(Enhance Pregnancy\)](#)
- 4. [Pregnancy \(UK Edition\)](#)
- 5. [Pregnancy Weight Management](#)
- 6. [Pregnancy after a Loss](#)
- 7. [Pregnancy for Dummies](#)
- 8. [Taking Charge of Your Fertility, 10th Anniversary Edition: The Definitive Guide to Natural Birth Control, Pregnancy Achievement, and Reproductive Health](#)
- 9. [The Garden of Fertility: A Guide to Charting Your Fertility Signals to Prevent or Achieve Pregnancy--Naturally--and to Gauge Your Reproductive Health](#)
- 10. [Yoga Journal - Yoga for Your Pregnancy](#)

Pregnancy information update

Above listed article is best on *Pregnancy* at [www.spiritindia.com](#) - health articles. We are dedicated to provide you best informations, current and updated, on *Pregnancy*. You can read the article, may get lots of information, news, articles, and can download this page on *Pregnancy* or can save this page on *Pregnancy*. Regularly visit this site to discover more best informations & health articles on **Pregnancy**.

I Eat Spice Foods Again

Find out How A Living Remedy Can
Drastically Reduce Stomach Pains!

Costa del Sol Midwife

Pregnant? Need help and support? You need
an English Midwife!

Ads by Google

For your comments, suggestions and queries, please use our **feedback form**. Thanks.

Google Search

☐ Web ☒ [www.spiritindia.com](#)