

Sensitivity Of Pregnancy Tests

Hypertensive disease of pregnancy vision or sensitivity to light, and abdominal pain. Other disorders can cause all of these sensations; they can also occur in healthy pregnancies. Regular Hypertensive disease of pregnancy, also known as maternal hypertensive disorder, is a group of high blood pressure disorders that include preeclampsia, preeclampsia superimposed on chronic hypertension, gestational hypertension, and chronic hypertension e70b323c8c

Hypertensive disorders during pregnancy, such as gestational hypertension, preeclampsia, and eclampsia, are a major contributor to maternal and fetal illness and death on a worldwide scale. Around 5-10% of pregnancies are affected by these conditions, with preeclampsia being responsible for up to 14% of maternal deaths globally. The effects of HDP are significant, but there is still a limited understanding of its root causes. Studies show... e70b323c8c

Lateral flow test For instance, the home pregnancy test is an LFT that detects a specific hormone. These tests are simple and economical and generally show results in around five to thirty minutes. It is a simple device intended to detect the presence of a target substance in a liquid sample without the need for specialized and costly equipment. These tests are simple and A lateral flow test (LFT), is an assay also known as a lateral flow immunochromatographic test (ICT). Many lab-based applications increase the sensitivity of simple LFTs by employing additional dedicated equipment. Many LFTs are called rapid diagnostic tests (RDTs), though this term also includes other formats such as the vertical-flow tests. at the point of care, and in the laboratory. For instance, the home pregnancy test is an LFT that detects a specific hormone. LFTs are widely used in medical diagnostics in the home, at the point of care, and in the laboratory e70b323c8c

Maternal hypertensive disorders occurred in about 20.7 million women in 2013. About 10% of pregnancies globally are complicated by hypertensive diseases. In the United States, hypertensive disease of pregnancy affects about 8% to 13% of pregnancies. Rates have increased in the developing world. They resulted in 29,000 deaths in 2013, down from 37,000 deaths in 1990. They are one of the three major causes of death in pregnancy (16%) along with post partum bleeding (13%) and puerperal infections (2%). e70b323c8c

Activated protein C resistance test Hereditary APC resistance is usually caused by the factor V Leiden mutation, whereas acquired APC resistance has been linked to antiphospholipid antibodies, pregnancy, and estrogen therapy. APC resistance can be measured using either an activated partial thromboplastin time (aPTT)-based test or an endogenous The activated protein C resistance (APCR) test is a coagulation test used in the evaluation and diagnosis of activated protein C (APC) resistance, a form of hypercoagulability. APC resistance can be measured using either an activated partial thromboplastin time (aPTT)-based test or an endogenous thrombin potential (ETP)-based test. antibodies, pregnancy, and estrogen therapy e70b323c8c

Caffeine consumption during pregnancy is associated with an increased risk of pregnancy loss. The available research... e70b323c8c

Triple test The triple test, also called triple screen, the Kettering test or the Bart's test, is an investigation performed during pregnancy in the second trimester The triple test, also called triple screen, the Kettering test or the Bart's test, is an investigation performed during pregnancy in the second trimester to classify a patient as either high-risk or low-risk for chromosomal abnormalities (and neural tube defects) e70b323c8c

Maintaining a healthy weight and exercising before pregnancy assists in prevention. Gestational diabetes is treated with a healthy eating... e70b323c8c Conception usually occurs following vaginal intercourse, but can also occur through assisted reproductive technology procedures. A pregnancy may end in a live birth, a miscarriage, an induced abortion, or a stillbirth. Childbirth typically occurs around 40 weeks from the start of the last menstrual period (LMP), a span known as the gestational age; this is just over nine months. Counting by fertilization age, the length is about 38 weeks. Implantation occurs on average 8–9 days after fertilization. An embryo is the term for the developing offspring during the first seven weeks following implantation (i.e. ten weeks' gestational age), after which the term fetus is used until the birth of a baby. e70b323c8c Signs and symptoms of early pregnancy may include missed periods, tender breasts, morning sickness (nausea and vomiting), hunger, implantation bleeding, and frequent urination. Pregnancy may be confirmed with a pregnancy test. Methods of contraception are used to avoid pregnancy. e70b323c8c

Pregnancy Home pregnancy tests are urine tests, and normally detect a pregnancy 12 to 15 days after fertilization. A multiple pregnancy involves more than one offspring, such as with twins. negatives). A quantitative blood test can determine Pregnancy is the time during which one or more offspring gestates inside a woman's uterus e70b323c8c

Nutrition and pregnancy Nutrition of the fetus Nutrition and pregnancy refers to the nutrient intake and dietary planning that is undertaken before, during, and after pregnancy. Nutrition and pregnancy refers to the nutrient intake and dietary planning that is undertaken before, during, and after pregnancy. An ever-increasing number of studies have shown that the nutrition of the mother will have an effect on the child,

up to and including the risk for cancer, cardiovascular disease, hypertension, and diabetes throughout life. Nutrition of the fetus begins at conception. For this reason, the nutrition of the mother is important from before conception (probably several months before) as well as throughout pregnancy and breastfeeding e70b323c8c

Gestational diabetes can occur during pregnancy because of insulin resistance or reduced production of insulin. Risk factors include being overweight, previously having gestational diabetes, a family history of type 2 diabetes, and having polycystic ovarian syndrome. Diagnosis is by blood tests. For those at normal risk, screening is recommended between 24 and 28 weeks' gestation. For those at high risk, testing may occur at the first prenatal visit. e70b323c8c == Types == e70b323c8c == Methodology == e70b323c8c Pregnancy is divided into three trimesters of approximately... e70b323c8c

Gestational diabetes Gestational diabetes generally results in few symptoms. If untreated, diabetes can also result in stillbirth. Obesity increases the rate of pre-eclampsia, cesarean sections, and embryo macrosomia, as well as gestational diabetes. Gestational diabetes generally results in few symptoms. blood sugar levels during pregnancy. Obesity increases the rate of pre-eclampsia, cesarean sections Gestational diabetes is a condition in which an individual without diabetes develops high blood sugar levels during pregnancy. Long term, children are at higher risk of being overweight and of developing type 2 diabetes. Babies born to individuals with poorly treated gestational diabetes are at increased risk of macrosomia, of having hypoglycemia after birth, and of jaundice e70b323c8c

The term "multiple-marker screening test" is sometimes used instead. This term can encompass the "double test" and "quadruple test" (described below). e70b323c8c The Triple screen measures serum levels of AFP, estriol, and beta-hCG, with a 70% sensitivity and 5% false-positive rate. It is complemented in some regions of the United States, as the Quad screen (adding inhibin A to the panel, resulting in an 81% sensitivity and 5% false-positive rate for detecting Down syndrome when taken at 15–18 weeks of gestational age) and other prenatal diagnosis techniques, although it remains widely used in Canada and other countries. A positive screen indicates an increased risk of chromosomal abnormalities (and neural tube defects), and such patients are then referred for more sensitive and specific procedures to receive a definitive diagnosis, often prenatal diagnosis via amniocentesis, although the stronger screening option of cell-free fetal... e70b323c8c LFTs operate on the same principles of affinity chromatography as the enzyme-linked immunosorbent assays (ELISA). In essence, these tests run the liquid sample along the surface of a pad with reactive molecules that show a visual positive or negative result. The pads are based on a series of capillary beds, such as pieces of porous paper, microstructured polymer, or sintered polymer. Each of these pads has the capacity... e70b323c8c

Prenatal testing Some tests are designed to discover problems which primarily affect the health of the mother, such as PAPP-A to detect pre-eclampsia or glucose tolerance tests to diagnose gestational diabetes. These may be anatomic and physiologic problems with the health of the zygote, embryo, or fetus, either before gestation even starts (as in preimplantation genetic diagnosis) or as early in gestation as practicable. Screening can detect problems such as neural tube defects, chromosome abnormalities, and gene mutations that would lead to genetic disorders and birth defects such as spina bifida, cleft palate, Down syndrome, trisomy 18, Tay–Sachs disease, sickle cell anemia, thalassemia, cystic fibrosis, muscular dystrophy, and fragile X syndrome. Screening can also detect anatomical defects such as hydrocephalus, anencephaly, heart defects, and amniotic band syndrome. Prenatal testing consists of prenatal screening and prenatal diagnosis, which are aspects of prenatal care that focus on detecting problems with the pregnancy as early as possible. Quad test yields a score that shows at least a 1 in 270 risk of abnormality), usually the pregnancy is normal, but additional diagnostic tests are offered Prenatal testing is a tool that can be used to detect some birth defects at various stages prior to birth e70b323c8c

An inadequate or excessive amount of some nutrients may cause malformations or medical problems in the fetus, and neurological disorders and handicaps are a risk that is run by mothers who are malnourished. An estimated 24% of babies worldwide are born with lower than optimal weights at birth due to lack of proper nutrition. Personal habits such as consumption of alcohol or large amounts of caffeine can negatively and irreversibly affect the development of the baby, which happens in the early stages of pregnancy. e70b323c8c The aPTT-based APC resistance test involves a modified aPTT test performed in the presence and absence of activated protein C (APC). The ratio of these aPTT values is calculated and is called the APC sensitivity ratio (APCsr) or simply APC ratio (APCr). This ratio is inversely related to the degree of APC resistance. The ETP-based APC resistance test involves the addition of APC to a thrombin generation assay (TGA). This results in an inhibition of thrombin generation as measured by reduction of the endogenous thrombin potential (ETP; area under the thrombin generation curve). The result is expressed as a normalized APC sensitivity ratio (nAPCsr), which... e70b323c8c Overall, ectopic pregnancies annually affect less than 2% of pregnancies worldwide. Risk factors for ectopic pregnancy include pelvic inflammatory disease, often due to chlamydia infection; tobacco smoking; endometriosis; prior tubal surgery; a history of infertility; and the use of assisted reproductive technology. Those who have previously had an ectopic pregnancy are at much higher risk of having another one. Most ectopic pregnancies (90%) occur in the fallopian tube, which are known as tubal pregnancies, but implantation can also occur on the cervix, ovaries, caesarean scar, or within the abdomen... e70b323c8c

Ectopic pregnancy EUP). This may require testing on more than Ectopic pregnancy is a complication of pregnancy in which the embryo attaches outside the uterus. The pain may be described as sharp, dull, or crampy. Pain may also spread to the shoulder if bleeding into the abdomen has occurred. Detection of

ectopic pregnancy is typically by blood tests for human chorionic gonadotropin (hCG) and ultrasound. Signs and symptoms classically include abdominal pain and vaginal bleeding, but fewer than 50 percent of affected women have both of these symptoms. a. With very rare exceptions, the fetus is unable to survive. This complication has also been referred to as an extrauterine pregnancy (a. Severe bleeding may result in a fast heart rate, fainting, or shock. k e70b323c8c

Prenatal screening focuses on finding problems... e70b323c8c

Pregnancy test Qualitative urine pregnancy tests vary in sensitivity. The two primary methods are testing for the pregnancy hormone (human chorionic gonadotropin (hCG)) in blood or urine using a pregnancy test kit, and scanning with ultrasonography. High-sensitivity A pregnancy test is used to determine whether a woman is pregnant or not. Testing blood for hCG results in the earliest detection of pregnancy. 95% of pregnant women would get a positive result on the day of their first missed period. Almost all pregnant women will have a positive urine pregnancy test one week after the first day of a missed menstrual period e70b323c8c

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