New prenatal diagnosis: What is NIPT?

Derived from a baby contained in the mother's blood. A test that analyzes DNA fragments

NIPT (New Prenatal Diagnosis) is found in maternal bloodStaining your baby by analyzing your baby's DNAIt is a test that can check for physical illness.From the 10th week of pregnancy, it is possible to test in an early pregnancy cycle.Definitive because the test can be done simply by collecting blood from the mother's bodyCompared to tests (amniocentesis and chorionic villus test), miscarriage and stillbirths is a safe inspection with less risk.

Benefits of NIPT

Compared to traditional non-deterministic tests, High inspection accuracy

Conventional non-deterministic tests have a sensitivity of 80% with maternal serum markers, and 83% with the bind inspection.However, NIPT has a high sensitivity of 99%.This made it possible to detect chromosomal diseases in babies more accurately.

Because the test can be done by collecting blood only from the mother's body, reduces the risk of miscarriage • stillbirth.

There is a 1/300 risk of miscarriage and stillbirth in the definitive test. Amniocentesis risk is 1/100(Colllect the amniotic fluid by sticking a long needle into the uterus). Chorionic villus test has a risk of 1/100(stick a needle similar to a long needle in the womb of pregnancy collecting villi before the placenta is formed).On the other hand, NIPT can be tested only by collecting blood, and miscarriage and stillbirth squirrels.It has become possible to significantly reduce the cost.

Early inspection possible
From the 10th week of the pregnancy cycle

Traditional non-deterministic tests (maternal serum markers and combined tests)Can only be received after the 11th week of pregnancy at most. In contrast, NIPT can be taken from the 10th week of pregnancy onwards.It is now possible to know the baby's condition quickly.

Inage Birth Clinic

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Discover baby's chromosomal diseases accurately with 99% sensitivity

New prenatal diagnosis

NIPT

Inage Birth Clinic

New prenatal diagnosis **NIPT**

For people like this

- ☑ Considering childbirth at an older age
- ☑ I want to know the baby's condition quickly
- ☑ I want to have a safe and easy test

Flow of the test

STEP 1 Application

Call us to make a reservation

STEP 2 Visit

Please come to the clinic on the date and time you made your reservation. After seeing a doctor, fill out the examination and consent form, etc and blood is collected.

STEP 3 Test

After blood collection, blood will be sent to the testing institution for testing.

STEP 4 Test results

Results will be available in about 10 days to 2 weeks from the date of the test, and will be reported at the time of consultation.

What you can find out by inspection

Diseases and items found by NIPT test

- 21 Trisomy.18 Trisomy.13 Trisomy
- Gender judgment
- Monosomy X such as Turner Syndrome

In addition, the following items can be tested as an option.

- New prenatal diagnosis (NIPT) for all chromosomes

What is Trisomy 21 (Down Syndrome)?

It is caused by a large number of copies of chromosome 21, and is also called Down's syndrome. Down's syndrome is the most common intellectual disability caused by the genetic problem, and its average IQ is said to be 50. In addition, some Down's syndrome may have congenital heart disease and other organ damage, which may require medical treatment.

What is Trisomy 18 (Edward Syndrome)?

It is caused by a large number of copies of chromosome 18, and is also called Edward's syndrome. Dysgenesis in the womb often results in miscarriage or stillbirth, even if they are born alive, most of them have multiple congenital defects in the brain, heart, etc., and in many cases they die before the age of one.Surviving children have problems with intellectual disability and developmental disabilities.

What is Trisomy 13 (Patau Syndrome)?

It is caused by a large number of copies of the 13th chromosome and is also called Patau syndrome. Most children have congenital defects in the brain and other organs. increase. Many are miscarriage or stillbirth, and even if they are born alive, they die in less than a year.

What is Turner Syndrome?

It occurs only in women. The cause is that one of the two X chromosomes, which is usually is completely or partially deleted. Its characteristics include neonatal leg edema, marked short stature, wall around the neck (winged neck), lack of secondary sexual characteristics, infertility, and congenital heart disease, but without any intellectual disability.

NIPT rates

* All prices include tax.

1	13.18.21 Chromosome	150K Yen
2	NIPT basic test (chromosomes 13, 18 and 21) + sex chromosome (with gender determination)	160K Yen
3	Whole chromosome test (with gender determination)	170K Yen

NIPT Test summary

Test Name	NIPT (Non-invasive prenatal genetic testing)
Blood collection medical institution	Inage Birth Clinic
Specimen	Blood 10ml
Person to be tested	Pregnant women after the 10th week of pregnancy, singleton pregnant women
age limit	none

【remarks】
If any abnormality is found in the above test results, an amniocentesis test (conclusive test) will be performed.The price of the definitive inspection is included in the above inspection.The fee for amniocentesis at our hospital is 10,000 yen (tax included).

Notes on NIPT

NIPT is a highly accurate test, but it is not a definitive test.If you continue to be positive or pending, you will need to undergo a test (amniocentesis or chorionic villus test) to confirm the test result.In addition, we do not recommend testing if you may not be able to obtain correct test results.

- If the fetus is suspected of having an unbalanced translocation
- The mother herself is a carrier of chromosomal aneuploidy (such as trisomy) or an imbalanced translocation

Special notes

Depending on the constitution of the mother, re-examination may be necessary in rare cases.Please contact your doctor for details.