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Premature Birth and Hereditary Diseases in Children Detection Software

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ABSTRACT

President of Uzbekistan Shavkat Mirziyoyev by his decree of December 25, 2018-2022 early detection of congenital and hereditary diseases in children during the years of the state program. 2.1 at the primary health care level in 2013-2017. more than a million pregnant women were examined, 65 thousand of them-the fetus pregnancy was suspended due to the detection of congenital malformations.

Strengthening the health of mothers and children, creating the necessary conditions for the birth of a healthy child, the dissolution of marriage between close relatives is one of the urgent problems of today.It is no secret to any of us that the improvement of the gene pool of future generations has risen to the level of state policy.A striking example of this is the adoption of the presidential decree "on strengthening the protection of motherhood and childhood in 2022-2026", which is designed to put an end to existing problems on this front and prevent premature maternal and child mortality, it would not be an exaggeration to say, that this is a set of measures. With the adoption of the decision, measures were taken to ensure the coverage of young people with pre-marital medical examinations, the creation of family polyclinics in the most remote areas, rural medical centers that meet modern requirements, the introduction of measures aimed at improving the medical literacy of the population, improving the efficiency of screening centers, establishing a healthy lifestyle and proper nutrition among the population.events have escalated even more . Free provision of vitamins and minerals for children, pregnant and lactating women has been established. Every pregnant woman was 100% covered by free screening tests to prevent the birth of a child with a hereditary disease, which is one of the most important pressing problems leading to premature death and disability of our children. It is no secret that audio screening activities aimed at early detection of hearing disorders in newborns give their results.The fact that thanks to these measures, hereditary factors and factors causing various disabilities are detected in our children at an early stage, and treatment is under state control, gives hope to parents. Adding to the state program, I want to note that today the number of hereditary diseases is increasing from year to year.This is due, firstly, to the improvement of methods for detecting hereditary diseases, and secondly, to mutagenic environmental factors of ifloslanishidir.Ma ' data show that 5% of children are born with a genetic disease. Currently, more than 6,000 hereditary diseases have been identified, and

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the difference from other diseases is that their occurrence is long-lasting. Each person may have a mutation in the future infected 5-10 genes blurred.How many people are around us who have a hereditary disease,become disabled for one reason or another, the mung in their eyes,the fact that they live parents with a feeling of guilt in themselves is a grievous misfortune for us. Our attitude towards pregnant women is limited to adopted decision projects without leaving,it is necessary that we change the family for the better,pass the pregnancy without complications and realize that all members of the family are equally qualified for the birth of a healthy generation. First of all,to create opportunities for the education of our daughters, together with this, we need to prepare for family relationships and bridesmaids, and after becoming a bride, we should look at them as a continuation of our generation. Each pregnant woman until 12 weeks of her pregnancy went to the family polyclinic of the area in which she lived and was in the presence of a gynaecologist, it is advisable to undergo a thorough medical examination on the recommendation of a doctor.Family members of a pregnant woman should also be attentive,create the necessary conditions for the expectant mother, be far from various harmful habits.A pregnant and lactating woman should take into account that her mood swings quickly.I believe that it is advisable to use the EDENBURG scale to confirm depression if we observe constant mood swings,dissatisfaction with oneself and those around us,crying.

More than 1.1 million pregnant women in screening centers were up to childbirth the period was examined. Of these, the gestation period was pathological 210 more than a thousand women were treated with medication. In general, as a result of prenatal examination of pregnant women, more than 21 thousand people birth of a child with birth defects and hereditary diseases in development made it possible to avoid.

More than 1.7 million babies experience hypothyroidism and phenylketonuria (congenital and hereditary diseases). Currently, 1,407 patients are dispensaries it stands under control, from which it can later lead to disability to congenital hypothyroidism in order to prevent progressive diseases 1,117 children who have been diagnosed with continuous free medication, 290 a child with phenylketonuria is provided with food that heals. The result of the activities carried out is the birth of children with congenital anomalies the intensity factor decreased by 1.8 times compared to 2000.

At the same time, the current barrel of the development of Medical Genetics is the future mothers and to strengthen the material and technical base of screening centers for the provision of specialized high-tech assistance to children, qualitatively assumes improvement.

The decision provides for:

- high-tech diagnostic medical equipment, components, screening centers by equipping them with reagents and necessary materials improvement of the material and technical base;
- central multidisciplinary fog of women in the first three months of pregnancy public inspection and risk before childbirth in (city) polyclinics biochemical of pregnant women who belong to the group of genetic syndromes congenital and hereditary in the fetus by the step-by-step introduction of examination measures for the Prevention of diseases and early diagnosis improvement;
- modern methods of laboratory diagnostics, including in the fetus and cytogenetic in diagnosing chromosome syndromes in young children and the introduction of molecular-cytogenetic technologies;

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- methods of early diagnosis of hereditary diseases in children mass examination of babies through improvement, as well as patient hereditary by providing children with medicines and Healing Foods improving the effectiveness of the treatment of diseases;
- strengthening the personnel capacity of screening centers and practical international with the introduction of modern world experience in health care implementation of cooperation.

31 million US to carry out the activities prescribed in the state program it is planned to allocate dollars and 90 million, of which 28 million 460 thousand US dollars in state budget funds, 90 crores and 2 crores international non-governmental charitable foundation "for a healthy generation" more than dollars funds.

Implementation of the state program:

- ✓ central multidisciplinary of medical associations of cities and districts mass ultrasound of pregnant women before childbirth in polyclinics introduction of verification;
- ✓ to determine the risk group for genetic syndrome of the fetus step-by-step biochemistry of women's blood in early pregnancy (examination of more than 220 thousand pregnant women planned);
- ✓ More than 310 thousand women at the second trimester of pregnancy biochemical screening until childbirth; hereditary exchange diseases by tandem mass spectrometry method checking children for confirmation (more than 18 thousand checks);
- ✓ children with developmental disabilities leading to congenital disabilities allows you to double the birth rate.
- ✓ hereditary exchange diseases by tandem mass spectrometry method checking children for confirmation (more than 18 thousand checks);
- ✓ children with developmental disabilities leading to congenital disabilities allows you to double the birth rate.

In addition, hereditary standing in the dispensary account and taken into account anew the provision of food and doridarmons, which specifically treat children with diseases, is continued. Implementation of the planned activities of newborns increase screening to 95 percent and children's disability on the premature identification of children with hereditary diseases that cause it makes it possible to increase the effectiveness of diagnostic and therapeutic measures.

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