

The Importance of Early Detection and Treatment of Fetal Heart Disease

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Opinion Article

Received: 27-Feb-2023, Manuscript No. JCMCS-23-93972; **Editor assigned:** 01-Mar-2023, Pre QC No. JCMCS-23-93972 (PQ); **Reviewed:** 15-Mar-2023, QC No. JCMCS-23-93972; **Revised:** 22-Mar-2023, Manuscript No. JCMCS-23-93972 (R); **Published:** 29-Mar-2023, DOI: 10.4172/J Clin Med Case Stud.8.1.007.

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Citation: Jarod J. The Importance of Early Detection and Treatment of Fetal Heart Disease. J Clin Med Case Stud. 2023;8:007.

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DESCRIPTION

Fetal heart disease is a condition where the heart of an unborn baby does not develop properly. It is a serious condition that can lead to lifelong health problems or even death. Symptoms of Congenital Heart Disease (CHD) in children can include rapid heartbeat, rapid breathing, and cyanosis. However, fetuses can also be affected in the presence of maternal serologic evidence of disease and no overt clinical symptoms. Early detection and treatment of fetal heart disease is crucial for the health and well-being of the baby. Fetal heart disease, also known as CHD, is a range of birth defects that affect the heart's normal function and is present from birth. CHD is one of the most common types of birth defects, affecting nearly 1% of births, or about 40,000 births, per year in the United States. It can have many causes, including genetic disorders, infections during pregnancy, and poor maternal health habits.

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The Centers for Disease Control and Prevention (CDC) found that 1 in 77 U.S. children had a current heart condition in 2016. A study in the *Journal of Pediatrics* found that children with CHD are more likely to report worse health overall, to need more healthcare services, and to have other health conditions, compared to children without CHD. Congenital heart defects also affect adults, with an estimated 1.4 million adults in the US living with the condition in 2010. Early detection and treatment of CHD is crucial to improve health outcomes for babies. In fact, a study in the *Journal of the American Medical Association* reported a 33% decline in infant deaths from critical CHD in eight states that mandated screening for it using pulse oximetry. People with CHD need lifelong treatment and specialist review due to the increased risk of heart problems. With ongoing research and advancements in treatment, we can improve the lives of those affected by CHD.

Fetal heart disease can be detected through routine prenatal screening tests, such as ultrasounds and fetal echocardiograms. These tests can identify any abnormalities in the structure or function of the fetal heart. If a problem is detected, early intervention can be initiated, which can significantly improve the health outcomes for the infant. The treatment of fetal heart disease often involves a multidisciplinary team of healthcare providers, including fetal cardiologists, obstetricians, and neonatologists. Depending on the severity of the condition, treatment may include medication, fetal surgery, or delivery of the baby at a specialized hospital with a neonatal intensive care unit.

Unfortunately, many cases of fetal heart disease go undetected until birth. This can result in delays in treatment, which can lead to serious health complications or even death. It is crucial that healthcare providers are trained to recognize the signs and symptoms of fetal heart disease and to initiate appropriate testing and treatment as soon as possible. In addition to early detection and treatment, ongoing support and care are essential for babies with fetal heart disease. This includes regular follow-up appointments with a pediatric cardiologist and ongoing monitoring of the baby's heart function.

CONCLUSION

Fetal heart disease is a serious condition that requires early detection and treatment to improve health outcomes for the baby. Routine prenatal screening tests can identify any abnormalities in the fetal heart, and a multidisciplinary team of healthcare providers can provide appropriate treatment and ongoing care. By prioritizing early detection and treatment of fetal heart disease, we can improve the health and well-being of babies and families affected by this condition.