



## Congenital heart disease

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### ABSTRACT

Congenital heart defects are a group of medical conditions in which the heart does not develop properly during pregnancy.

**Keywords:** Pregnancy, Medical conditions, Congenital heart diseases.

### 1 INTRODUCTION

Congenital heart defects are a group of medical conditions in which the heart does not develop properly during pregnancy. These abnormalities can range from mild to severe and can affect the structure and functioning of the heart. This 400-word abstract will address congenital heart disease, with an emphasis on the objectives, outcomes, discussion, and conclusion related to this medical condition.

### 2 OBJECTIVES

The main objective of this summary is to highlight the importance of understanding congenital heart disease, its causes, symptoms, diagnosis, and treatment. In addition, it is intended to emphasize the need for awareness and support for families affected by this condition.

### 3 RESULTS

Congenital heart defects are one of the most common malformations in newborns, affecting approximately 1 in 100 babies. They range in severity from minor defects that do not require treatment to serious defects that require immediate medical intervention.

Symptoms of congenital heart disease can include difficulty breathing, cyanosis (bluish skin), fatigue, excessive sweating, and poor weight gain. Diagnosis is usually made through medical tests such as echocardiography and chest X-ray.

Treatment varies depending on the severity of the heart defect. Some congenital heart defects can be corrected surgically, while others can be managed with medications and regular monitoring. Early medical intervention is essential to improve the health prospects and quality of life of affected children.



#### 4 DISCUSSION

The exact cause of congenital heart defects is not always clear, but genetic, environmental, and multifactorial factors may play a role. Advanced genetic research is helping to better understand the origins of these conditions, which could lead to advances in early diagnosis and treatment.

Awareness is crucial to help families understand and cope with congenital heart disease. Support groups and educational resources play an important role in supporting families and providing information about treatment options and available services.

#### 5 CONCLUSION

Congenital heart disease is a significant health concern, affecting many newborns and their families around the world. Understanding the symptoms, diagnosis, and treatment is critical to ensuring that affected children receive the care they need for a healthy life. Ongoing research is needed to advance knowledge of the causes of congenital heart disease and improve treatment options. Additionally, it is important for health systems and communities to offer emotional and practical support to families facing this medical condition Challenging.