

Electronic Stethoscope for Heartbeat Abnormality Detection

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Conference paper
First Online: 17 April 2021

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Part of the [Lecture Notes in Computer Science](#) book series (LNCS, volume 12608)

Abstract

Cardiovascular diseases (CVD) are one of the main causes of death and disability in most countries of the world. However, most countries do not currently have a comprehensive mass identification of risk factors and an overall assessment of the risk of developing CVD. Most heart diseases are related and are reflected by the sounds that the heart produces. Auscultation of the heart, defined as listening to the sound of the heart, was a very important method for early diagnosis of cardiac dysfunction. In this case, phonocardiogram (PCG)