

Recent Technologies of Magnetocardiography and Impedance Magnetocardiography

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We have developed a magnetocardiography (MCG) and impedance magnetocardiography (I-MCG) for detecting a heart disease by using a dc-SQUID technology. The MCG system using low-Tc SQUID has been commercialized to diagnose the heart disease. Furthermore, we have also demonstrated a portable MCG system using high-Tc SQUID. On the other hand, the I-MCG system has been tested to detect the kinetic impedance changes in the heart.

In this report, we review a current clinical application of magnetocardiography and impedance magnetocardiography.

Keywords : SQUID, MCG, impedance

Acknowledgements

This high-Tc SQUID research was underwritten by the Support Program for Technological Development with the Aim of Practical Use from the Ministry of Economy, Trade and Industry of Japan, and the New Energy and Industrial Technology Development Organization