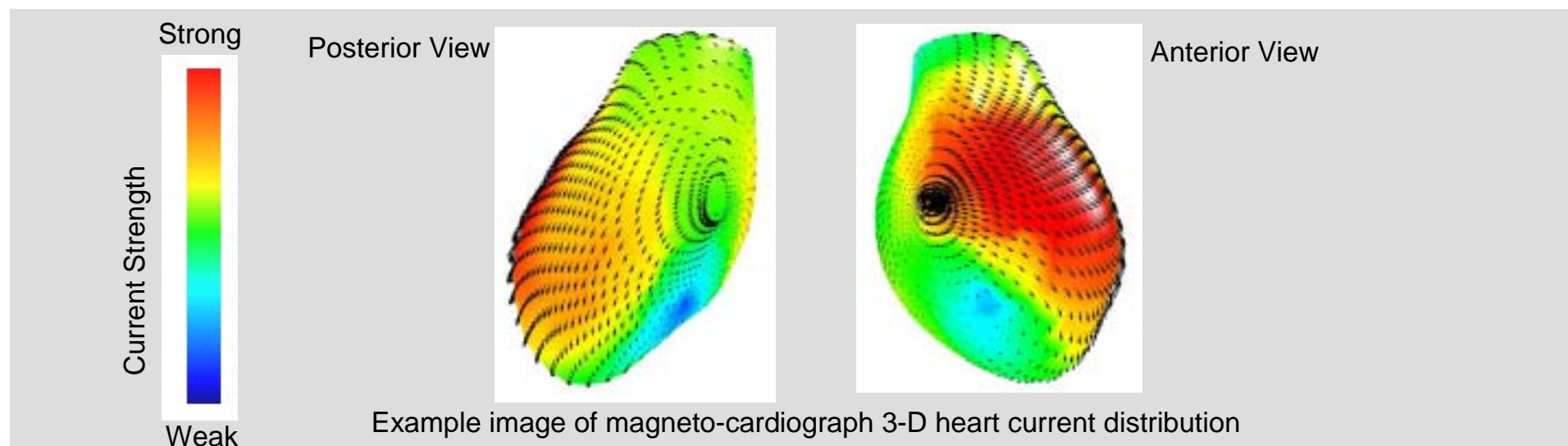


2004/9/9 Release

Development of magneto-cardiograph 3-D visualization of heart current distribution - Enabling simultaneous inspection of the back of the heart -



The Central Research Laboratory of Hitachi, Ltd. (GM: Dr. NISHINO Toshikazu, hereafter “Hitachi”) has developed magneto-cardiograph visualization technology enabling 3D imaging of the electrical current distribution associated with cardiac activity for the first time in the world. The technology uses magneto-cardiographs taken from the front and back of the heart, and reconstructs the current distribution on a 3D model of a standard heart. As the entire heart can be observed at once, it is possible to visually catch electrophysiological phenomena. This technology is expected to find clinical applications such as the clarification of the mechanisms of heart failure, development of new diagnostic methods, etc.