Telemetric and Holter ECG Warehouse (THEW)

Research Areas

- Tool Development
- Data-Sharing Enabler

At a Glance

- Status: Active Consortium
- Year Launched: 2008
- Initiating Organization: University of Rochester
- Initiator Type: Academia
- Location: International

Abstract

The objective of the Telemetric and Holter ECG Warehouse (THEW) is to provide services to public, private, and any legal scientific organizations world-wide by fostering and distributing the resources (data and tools) needed to conduct ECG-related research activities. The THEW initiative deploys appropriate information technologies and computer processing power to benefit the overall scientific community. The THEW is a public/private partnership with the U.S. Food and Drug Administration (FDA) developed under the National Institutes of Health’s (NIH) National Heart, Lung, and Blood Institute support and led by a Steering Committee consisting of staff members of the FDA, the NIH, and the University of Rochester (UR).

Sponsors & Partners

The objective of the Telemetric and Holter ECG Warehouse (THEW) is to provide access to continuous electrocardiographic data to for-profit and nonprofit organizations for the design and validation of analytic methods to advance the field of quantitative electrocardiography with a strong focus on cardiac safety.
The THEW hosts more than 3,700 digital 24-Holter ECG recordings from 13 independent studies. In addition to the ECGs, the repository includes patient information in a separate clinical database with content varying according to the study focus. The THEW database has been accessed by researchers from 37 universities and 16 corporations located in 16 countries worldwide. Twenty publications have been released primarily focusing on the development and validation of ECG-based technologies.

The THEW initiative is a nonprofit, 501(c)(3) organization hosted by the Heart Research Follow-up Program at the University of Rochester Medical Center.

Homepage: www.THEW-project.org

University Medicine Berlin
Harvard Medical School – Wyss Institute for Biologically Inspired Engineering
Academy of Sciences of the Czech Republic
Baskir State Pedagogical University
Chinese Academy of Medical Sciences
Chung-Yuan Christian University
College of Veterinary Medicine, Cornell University
Erasmus University Rotterdam
FDA
Henry M. Jackson Foundation
Hospital Louis Pradel
INSERM (France)
Johns Hopkins University School of Medicine
Karlsruhe Institute of Technology
Long Beach Memorial Medical Center
Masonic Medical Research Laboratory
Massachusetts General Hospital
National Polytechnic Institute of Mexico
NIH
Oklahoma State University – Center for Health Sciences
Oxford University
Polytechnic University of Marche
Research Center of Hospital Sacre-Coeur of
Montreal
RIT
teschnische Universitat
The Victor Chang Cardiac Research Institute
uniformed services university
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universita degli studi di messina
universitat politecnica de catalunya (barcelona-tech)
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university of adelade
university of ancona
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