Abstract

This study was aimed to create a Telemedicine System for Electrocardiogram Medical Records to improve public health. Issues of public health in remote areas include lack of transport infrastructures, facilities, lack of medical experts, and limited means of communication, leading to slow treatment for patients. Meanwhile, heart diseases killed thousands of people in the world. To improve the quality of and spreading health services provided by public health services and hospitals, a breakthrough and innovation are required. There should be a type of health service and service facility available in all areas, including remote areas, which is easily accessible by everyone. Telemedicine system is a primary solution which can be applied for those who live in remote areas. Telemedicine is an application of clinical medication which uses telephone, internet, and other communication networks to transfer medical information. By this transfer, medical information can be used for health consultation and sometimes for remote medical procedures. The Telemedicine system is beneficial for people who live in remote areas or distant locations.
References

2. Agustina et al" Implementasi Telemedicine menggunakan IPATH"
7. Dr Jem Rashbass and Professor Peter Furness,2005,Telepathology: Guidance from The Royal College of Pathologists
10. Eung Seok Lee, M.D, et all,2002, Practical Telepathology Using a Digital Camera and the Internet,telemedicine journal and e-health volume 8, number 2
16. Helmut Budzier, Gerald Gerlach, Thermal Infrared Sensors: Theory, Optimisation and Practice, USA


27. Molinari, G. et al. (2002). The role of telecardiology in supporting the decision-making process of general practitioners during the management of patients with suspected cardiac event. J Telemed Telecare; 8:9-101


35. Stephen Black-Schaffer, M.D., Thomas J. Flotte, M.D., 1995, Current Issues in Telepathology, Telemedicine Journal Volume 1, Number 2, Mary Ann Liebert, Inc


37. Sutjirejeki E, Soegijoko S, Mengko TLR, Tjondroaegoro S. Development of mobile telemedicine system with multi communication links to reduce maternal mortality rate, Proc. Of The Sixth International Association of Science and Technology for Development (IASTED) International Conf. on Biomedical Engineering 2008, Innsbruck, Austria, p.137 -42


Index Terms

Computer Science

Biomedical

Keywords

Telemedicine system, Electrocardiogram