

A Survey on Information Technology for Telemedicine

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Abstract

Telemedicine refers to the utilization of telecommunication technology for medical diagnosis, treatment, and patient care. The development of information technology and telecommunications, especially wireless and mobile communications, leads to the emergence of telemedicine. Telemedicine provides medical diagnosis and treatment to people in remote areas. It could alleviate the lack of expert or physician in distant locations. It can help improving the quality of life not only for city people, but also for people who live in the rural areas.

In this paper, some useful background related to technologies in telemedicine, technologies used in telemedicine, existing telemedicine projects, some examples of telemedicine related researches, interesting ideas of implementing telemedicine systems and future research ideas can be found.