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Research Subject	Telemedicine systems and Regional patient information sharing		
Keywords	Regional medicine, Telemedicine, Patient information, Medical cooperation		
<p>Research Outline</p> <p>In recent years, the crisis of community healthcare collapse has surfaced in Japan. The increase in the admission capacity of the faculty of medicine is carried out as one of solutions. However, this problem will not be solved in a short period. Rather, reformation of the medical delivery system might be required. One of it is introducing telemedicine systems. Sharing patient information among community-healthcare institutes will be the one, too.</p> <p>Some telemedicine systems have already been employed, but many of them remain in experimental. Moreover, although many cooperation systems between hospitals have already been working, many of them have small number of users, either. Then, hints to make each system used active are examined from each field of the system construction, the network, and the investment framework. If new functions to make them actively used are found or required, I want to develop them.</p> <p>Specific Features</p> <p>I have developed a telemedicine system at my former work, and have supported to employ periodically for over eight years. That system is working. Also, I have been engaged in employment of the community healthcare information sharing system to attain active use. Based on these results, both systems are explored about the conditions and the required element which become utilizable, and aim this research at providing results to the actual society. This research can deliver results to real society immediately.</p> <p>Following knowledge will be required for this research.</p> <ul style="list-style-type: none"> • Knowledge about medical organization • The actual condition of the network spread • Knowledge about the structure of data exchange • Knowledge about security technology and its employment 			