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Abstract
Medical equipments appear in different forms in hospitals, depending on the level of technical development. From this point of view, it is essential to build up management systems for the equipment, and computerized maintenance appears to be the best way. In Taiwan, medical centers hold the leading position. The effects of developing computerized system have been positive. However, the obtained computerized system which controls medical equipment maintenance still attains weaknesses, and this study is focused on the problem of medical equipment maintenance and the building of a computerized maintenance system for obtaining complete functioning of the whole system. In the study, we examine the experience of one medical center in southern Taiwan and find that its implementation of a computerized medical equipment maintenance system contains many shortcomings and it’s further improvement remains to be an on-going challenge.

We found that the key factors to success are the management skill and attitude of the medical engineering specialists. Because most hospitals ignore the importance of computerization, the medical engineering specialists need to play an active role to implement a computerized system and realize the benefits of the system. This study also deals with important issue of how specialists need to focus on, not only the technical task, but also their management skill. Performance efficiency is resulted from good management skill. Since the computerized system is an essential management tool, it is necessary to enhance the specialists’ knowledge of statistics and computer science to strengthen their management ability. It is advised that specialists do not rely solely on their technical skills, but also remember the importance of good management, since special skills are most effective when used in cooperation with good management.
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