MEDICAL SOFTWARE PRODUCTION: PROGRESSION IN THAILAND

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ABSTRACT

To promote the success in the specialized activities, the newly specific developed software is usually needed. For medical purpose, development of specific software to a specific medical work is needed. In this article, the author discusses on the progression of medical software production in Thailand. It can be seen that although there are many software engineer in Thailand, very few locally developed medical software are available.

KEYWORDS: Medical, Software, Production, Thailand.

INTRODUCTION

To promote the success in the specialized activities, the newly specific developed software is usually needed. For medical purpose, development of specific software to a specific medical work is needed. In this article, the author discusses on the progression of medical software production in Thailand. It can be seen that although there are many software engineer in Thailand, very few locally developed medical software are available.

MEDICAL SOFTWARE PRODUCTION IN THAILAND

As already mentioned, the medical software production in Thailand is not bloomed. There are very few experts on this specific field. Also, there is no specific curricular on medical software production. According to the international and local databases, there are very few reports on medical software production in Thailand. The important reports are listed in Table 1.

DISCUSSION

Medical software production requires the combined knowledge on computer engineering and medical science [4]. It might seem difficult but the medical software production is an actual useful thing. The good medical software can serve the health care service and actually affects the life of the patients.

In Thailand, a developing country in Southeast Asia, the software production activity is not nationwide. Specifically to medical software, the activity is extremely limited.

For the already successful production, extremely few cases can further progress to the commercial production activity [1]. This can reflects that there is a need for improvement of the quality of the local Thai software expert and promotion of the production of the useful software such as medical software in Thailand is needed.

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Table 1.Report on medical software production in Thailand

Authors	Details
Banpavichit et al. [1]	This is an example of successful development of medical software in Thailand. The software was specifically developed to server the work in medical laboratory. The software is for point of care testing linking purpose. The license of the software belongs to a local Thai company and the production for commercial scale can be seen. Nevertheless, the newly developed software is not famous and not well recognized by the Thai users.
Oudee et al. [2]	Oudeeet al. reported development of in-house software to calculate dose for intensity-modulated radiation therapy based on lung [2]. However, there is no further commercial production.
ChansoongandMaka [3]	ChansoongandMaka reported on development of dose measurement program using Test Point software via GPIB/IEEE-488 interface [3]. However, there is no further commercial production.

CONFLICT OF INTEREST: None

REFERENCES

[1]. Banpavichit A, Uejitkun J, Kanoksilp A, Wiwanitkit, V. "Link," the Experience and Future of Point-of-Care Testing Connectivity From Thailand. Point of Care. 9(4):165-168.

[2]. OudeeN, Suriyapee S, Tangboonduangjit P, Srisatit S. Development of in-house software to calculate dose for intensity-modulated radiation therapy based on lung. Asian Biomed. 2011; 5: 693-698.

[3]. Chansoong R, MakaC. Development of dose measurement program using TestPoint software via GPIB/IEEE-488 interface. Bull Dept Med Sci. 2006; 48: 196-204.

[4]. Mallory SR. Building quality into medical product software design. Biomed Instrum Technol. 1993 Mar-Apr; 27(2):117-35.