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## **KK Women's and Children's Hospital develops robotic bottle dispensing system with many organisations**

By Jiang Ze Liang

The Emergency Pharmacy at KK Women's and Children's Hospital (KKH) is fully automated, and is able to pack pills, capsules and bottled medication through a new system which also reduces the waiting time to collect medication during peak hours.

KKH's Emergency Pharmacy implemented the outpatient automation system (OPAS) in March 2015, and one part of the system is the robotic bottle dispensing system, believed to be the World's First system.

KKH, Integrated Health Information Systems (IHIS), Getech Automation, Singapore Polytechnic, NCS and the Agency for Science, Technology and Research took one year to develop the system which is fully funded by the Ministry of Health.

Professor Chong Yoke Sin, Chief Executive Officer, IHIS, said, "The system automates almost 100 percent of the packing of drugs, and can ensure patient safety."

The system has not made any error since its implementation.

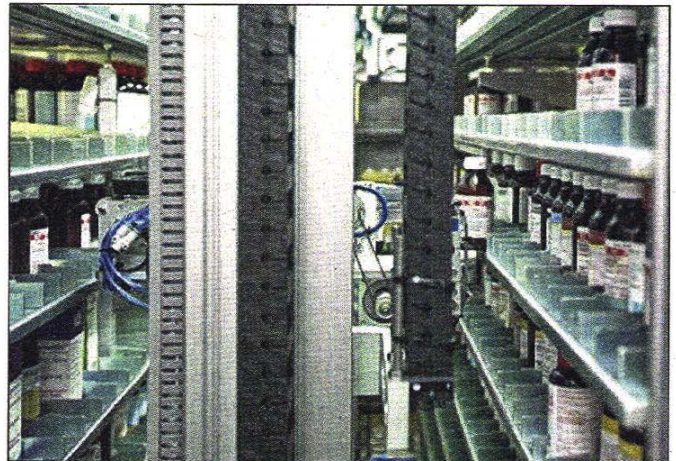
## **竹脚妇幼医院与多家机构 首创“瓶装自动配药系统”**

**姜泽良**

竹脚妇幼医院的急诊药房配药全面自动化，不论药片、胶囊、还是瓶装的药剂都可通过机器装配，缩短病患在繁忙时段的等候时间。

竹脚妇幼医院急诊药房从3月开始启用“门诊自动配药系统”，通过机器自动分配药物。其中的“瓶装自动配药系统”更是世界上首个能自动装配瓶装液体药物的机器，可装配几乎所有的瓶装药物。

竹脚妇幼医院连同卫生部旗下的综合保健信息系统公司（Integrated Health Information Systems）、本地科技公司Getech Automation、新加坡理工学院、国家电脑系统公司（NCS）和新加坡科技研究局等多家机构，耗费1年时间，自主研发了“瓶装自动配药系统”。整个项目由卫生部拨款资助。



“瓶装自动配药系统”可装配竹脚妇幼医院急诊药房内几乎所有的瓶装药物。（曾道明摄）

综合保健信息系统公司总裁钟玉璇博士说：“自动配药系统可以自动装配近百分之百的瓶装药物，并在同时保证了安全性。”自动配药系统投入使用至今，没有出过任何差错。