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HKSH Launches New Maternity Unit and Introduces Microsoft Windows 7 in IE Buddy Creates a Safe, Hi-Tech and Pleasant Place for Mothers and Newborns with Extraordinary PC Experience

(22 December 2009, Hong Kong) Hong Kong Sanatorium & Hospital (HKSH) launched today its new Maternity Unit. The Hospital is delighted to introduce the public to the new rooms, new born nursery and delivery suite. To enrich mothers' experience during hospital stay, the Hospital has recently installed IE Buddy (Patient Infotainment Terminal) equipped with Windows 7 in the new Maternity Unit, which brings new features to mothers, newborns and their families.

IE Buddy with Windows 7

The **IE Buddy** is a Patient Infotainment Terminal (PIT) that provides clinical information, entertainment plus communication channels and is a buddy of patients during hospital stay. It helps strengthen personalized healthcare, reduce human error and thus enhance patient safety. In addition, it streamlines consultation and caring process as well as provides hospital information and entertainment to patients. Windows 7 is the latest Microsoft operating system that offers dozens of superb features and simplifies everyday tasks of PC users. HKSH and Microsoft are pleased to announce that the two organizations join hands and incorporated the state-of-the-art technology into medical service, that is, IE Buddy with Windows 7, with an aim to benefit mothers and service users at large.

The IE Buddy with Windows 7, which is more user-friendly, enables the following new features:

1. PictureBuddy (Bedside Baby Album)

 A brand new service that allows mothers to view photos of their newborns and share with friends and relatives without leaving the room.

2. Supporting High-Definition TV

 Windows 7 natively supports H.264 high-definition (HD) format and local HD TV broadcasting, providing a high quality multimedia experience for mothers. They can now enjoy HD TV programs through IE Buddy in real-time and without leaving their beds.

3. Enhance User Experience

Built-in with the latest version of Windows Presentation Foundation, Windows 7 enables users
to interact with IE Buddy by intuitive touch and hand gestures. Users can control the
applications and interface, and flip over pages on IE Buddy using their fingertips.

4. Better, Safer Web Browsing experience

- With Internet Explorer 8 (IE 8) preinstalled in Windows 7, users will be protected from deceptive and malicious Web sites, such as phishing sites, providing them with a care-free and safe Web browsing experience.
- Users can also view the web sites easily and comfortably at any distance, with the zoom-in and zoom-out features in IE Buddy through IE8.

Technology Enhances Safety

At HKSH, patient safety is one of our top priorities. The IE Buddy brings an array of functions that help enhance patient safety to a great extent. HKSH is proud to be the first hospital in Hong Kong to introduce this system to patients and service users.

IE Buddy (Patient Infotainment Terminal) - Capability at a Glance

(A) Viewing of Clinical Information

- Patient Assessment Form
- Allergy (if any)
- Radiological images & reports
- Laboratory results
- Histopathology results
- Nuclear medicine & PET reports
- Patient record

(B) Verification / Data Entry / Ordering

- Bedside medication verification
- Patient assessment / record data entry*
- Laboratory test ordering*
- Radiology exam ordering*
- Medication ordering*

(C) Health Education

Patients can view at bedside a series of health education videos and feature articles produced by the hospital, which are informative and entertaining.

(D) Communication / Entertainment / Information

- Broadband Internet Access
- VoIP (Voice over Internet Protocol)
- Various TV channels (including HD TV)
- Catering menu

New Maternity Unit - A Perfect Place for Mothers and Newborns

To tie in with the new wards that opened in September 2009, HKSH relocated the Maternity Unit to the new floors. Exceptionally spacious and thoughtfully designed, all facilities including Delivery Suite, New Born Nursery, General Unit, Semi-Private Single Room, Private Room, Deluxe Room and Suite provide a safe, pleasant and private place for mothers and newborns. The introduction of *Semi-*

^{*}Upcoming IE Buddy functions

Private Single Room ensures higher degree of privacy that each mother enjoys a spacious single room and shares washroom facilities with a few other mothers. Besides, each room has a sofa bar for family member.

"As always, our Hospital is committed to introducing new technology in medical service. We are pleased to see the consolidation of the latest information technology, Windows 7, and the IE Buddy in our new Maternity Unit this time. Together with all our new facilities in the Maternity Unit, we shall bring the best possible care to mothers, newborns and their families alike," said Dr. Joseph Chan Woon Tong, Deputy Medical Superintendent and Head, Department of Women's Health and Obstetrics, Hong Kong Sanatorium & Hospital.

Mr Chin-Tang Chin, Director of Developer and Platform Evangelism, Microsoft Hong Kong, said: "Apart from making your PC simplified, the superb features and backend framework of Windows 7 also enables our developers and enterprise customers to explore new possibilities in their services, where they can customize their user-interfaces on a familiar infrastructure. We are delighted to see that Windows 7 is bringing a new face to the new maternity unit in the Hong Kong Sanatorium & Hospital, and we are looking forward to providing the extraordinary user experience of Windows 7 to other users of the facility in the near future."

To take better care of mothers and fetus in labour, further enhance baby safety and avoid possible human error, the Hospital has also introduced several systems, namely, *Remote Access Fetal Heart Monitoring (Cardiotocogram) System, Baby Security System and Mother-baby Matching System.* Please refer to separate fact sheets for details.

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Remote Access Fetal Heart (Cardiotocogram) Monitoring System

In obstetrical care, doctor's monitoring and continuous trace displays of fetus and mother in labour is of vital importance. On top of the existing Fetal Heart (Cardiotocogram) Monitoring System, Hong Kong Sanatorium & Hospital (HKSH) has recently introduced the state-of-the-art Remote Access Fetal Heart (Cardiotocogram) Monitoring System in its new Maternity Unit, which enables doctors to closely monitor fetus and mother and helps ensure patient privacy.

- Doctors can gain access to his / her patients from any PC on the hospital LAN or *remotely* via secure connection from home or clinic.
- Directly linked with maternity unit (delivery suite) of the Hospital, the System provides real-time and continuous fetal and maternal surveillance and alerting, for example, fetal tachycardia and bradycardia. It makes doctors immediately aware of critical events and taking proper actions if needed.
- To ensure *patient privacy*, HKSH incorporated a self-developed security system into the Remote Access Fetal Heart Monitoring System. Unlike other similar monitoring systems in Hong Kong, individual HKSH doctor can <u>ONLY</u> access trace displays of his / her own patient(s). It safeguards patient privacy and puts patients' mind at ease.
- The System will be put into service in January 2010.

For media enquiry, please contact: Sharon Lun Corporate Communications Manager Hong Kong Sanatorium & Hospital

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Baby Security System

In order to prevent infants from being removed from Maternity Unit without authorization, Hong Kong Sanatorium & Hospital (HKSH) introduced Baby Security System in its new Maternity Unit, which is first of its kind in Hong Kong.

- Every infant wears a Hugs tag on the ankle and every exit point of the Maternity Unit is electronically monitored to detect the tags. Only family and hospital staff can move infants freely within the protected zone. If anyone removes an infant without authorization, the system will alert hospital staff.
- The Hugs tag contains a tiny radio transmitter. Once activated, the tag emits a special Heartbeat signal every 10 seconds. This signal indicates that the tag is present in the protected zone and is functioning.
- If a tag in close proximity to an open exit is detected by the door monitors, an alarm occurs and the door will be locked.
- If a tag has been cut, an alarm occurs.

Mother-baby Matching System

To ensure babies are correctly matched with their mothers every time they meet, HKSH installed also the Mother-baby Matching System in its new Maternity Unit. By wearing a small and comfortable Kisses tag, each mother is bonded with her infant's Hugs tag at birth and for the duration of their hospital stay. Every time the two are brought together (e.g. breastfeeding), an audible signal from the infant's tag automatically alerts staff of a mismatch.

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About Hong Kong Sanatorium & Hospital

Hong Kong Sanatorium & Hospital (HKSH) is one of the leading private hospitals in Hong Kong. It is owned by the Li Shu Fan Medical Foundation (LSFMF), which is a not-for-profit organization. HKSH is committed to fulfilling LSFMF's vision of providing quality health care and advancing medical education and research, with an overriding concern for the public good.

For more details, please visit www.hksh.com

About Microsoft

Founded in 1975, Microsoft (Nasdaq "MSFT") is the worldwide leader in software, services and solutions that help people and businesses realize their full potential. Microsoft Hong Kong was established in 1991.

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