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Kuraya Sanseido Inc.
President: Sadatake Kumakura
Code number: 7459 (First Section, Tokyo Stock Exchange
and First Section, Osaka Securities Exchange)
Contact: Kikuo Miki, Senior Executive Officer
and General Manager of Public Relations Division
Phone: +81-3-3517-5171

Kuraya Sanseido to Begin Sales of Bedside Medication Verification System *medks-shalom*

September 24, 2003 – On October 1, 2003, Kuraya Sanseido Inc. (“Kuraya Sanseido”) will begin sales of *medks-shalom*, a bedside medication verification system. Details are as follows.

1. Purpose of Sale

Medical errors that occur because information was not communicated accurately, such as incorrect drug administration and patient mix-ups at medical institutions, have become a prominent issue in recent years. At the same time, establishing systems for providing high-quality medical services, such as certification of hospital performance evaluation or acquisition of ISO certification, is a pressing matter for every medical institution.

Under such circumstances, Kuraya Sanseido developed this system to support patient safety assurance, one of the items in the hospital performance evaluation. With this system, patients are issued drug labels and a wristband imprinted with a bar code for first-hand verification. Caregivers can scan these with a bar code reader to confirm the correct dosage as well as verify and manage various types of data, such as prerecorded patient data, prescription data, injection formula data and medication history. The system can thus help to prevent medical errors from occurring.

Integration of this system with *medks-pics*, a medication management guidance support system, and *medks-zigsaw*, an inventory management support system, both of which Kuraya Sanseido also developed and sells, will enable centralized management of information and provide comprehensive support for hospital pharmacy operations.

As part of its customer support activities, Kuraya Sanseido will market this system throughout Japan. Kuraya Sanseido expects the system to contribute to improvement in operating efficiency and higher quality in medical care as a part of risk management in hospitals.

2. Features of *medks-shalom*

- (1) Helps prevent incorrect administration of drips and other intravenously administered drugs to hospital patients.
- (2) Issue of bar-coded wristbands enables verification by the caregiver.
- (3) The wristband is made from a special polyurethane resin that is gentle on the skin and can be worn for long periods of time. In addition, the text printed on the wristband does not easily come off, even when subjected to bathing and friction from clothing.
- (4) Enables retrieval of prescription data and patient data from sources such as ordering and medical systems.
- (5) Enables prescription checking using a bar-code reader and the bar-coded drug label based on the injection formula data.
- (6) Use of a bar-code reader enables bedside checking of medication information on the wristband and drug label. In consideration of the heavy workload of nurses, a barcode reader rather than a PDA is used in the system to make it simple to operate.
- (7) Can calculate the medication used and compile the audit record registry.
- (8) By outputting prescription data, the system functions together with *medks-pics* (a medication management and instruction support system) and *medks-zigsaw* (an inventory management support system) to provide comprehensive support for hospital pharmacy work.

3. Suggested Price

Sales price of 1 basic set: ¥4.8 million (plus tax)

The basic set includes a *medks-shalom* system and hardware in the pharmacy (one location), the admissions section (one location) and one hospital ward.

4. Starting Date of Sales

Sales of *medks-shalom* will begin Wednesday, October 1, 2003.

5. Sales Targets

10 sets by March 31, 2004

20 sets by March 31, 2005

6. For further information, contact:

Kuraya Sanseido Inc.

Tokyo CS (Customer Support) Center

7-15, Yaesu 2-chome, Chuo-ku, Tokyo

Tel: 03-3517-5020

Fax: 03-3517-5019

Kobe CS (Customer Support) Center
2-14-1, Yamamotodori, Chuo-ku, Kobe, Hyogo
Tel: 078-231-7736
Fax: 078-231-7720

(For reference)

medks-pics (Pharmaceutical Information and Care Support System)

This system provides total support for medication management guidance carried out by hospital pharmacists for in-patients, including instructions on dosage and administration, management of medication history and drug information (DI) management.

Equipped with a vast amount of pharmaceutical information, the system also has access to a program for updates of pharmaceutical information and version upgrades via the Internet, and has an enhanced master drug list that includes instructions for patients. In addition, the system can perform administration management tasks by linking to a variety of outside databases, such as interactive checks and interactive searches of package insert information and U.S. and European documents. It also features support for injection-related information, including production and printing of labels and instructions.

medks-zigsaw (Zenith of Intelligent Gateway System/Architecture by Web)

This system mainly provides support for inventory management of hospital customers. It can manage a wide range of items, including pharmaceuticals stored in warehouses of pharmacy sections, and pharmaceuticals and diagnostic materials stocked in hospital wards.

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