



Medical Corporation Keiwakai Osaka Police Hospital

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<http://www.oph.gr.jp>
Established September 1937
Number of beds: 580



【Point of application】

- Nursing business support
- In cooperation with electronic health records
- Multipurpose

Device: Asreader® ASR-0240D
Install date: Jan. 2018

This case study was based on the information available on June 2018



Deputy Director of Nursing
Ms. Nishina

Osaka Police Hospital introduced IC cards and passwords for personal identification early on. By implementing the AsReader® DOCK-Type Combo as the terminal for bedside data input, they can use NFC not only for the three-point check, but also to automatically register vital signs such as body temperature and heart rate. We renewed the system to expressly reflect the wishes of the on-site nursing staff, by having the information management department and the nursing department work together closely.

Three-point check, automatic registration of vital signs, inputting IN/OUT flow sheets, registering medical equipment, taking pictures etc.

By implementing AsReader® we realised an increase in nurse work efficiency and a reduction in incidents.

(NFC and barcodes)



Problems

- They had a system where they loaded a computer which contained the electronic health records onto a wagon and wheeled it into the patients' rooms, where they then performed the three-point check with a barcode reader. There were issues with the sickrooms and hallways being too narrow, along with the system being both difficult to use and very loud at night.
- Due to the above issues we had long since been looking for a more mobile solution, but could never find a portable terminal that met their expectations in terms of reading accuracy and response

Solution

- Just take AsReader® into the sickroom, no need for a laptop. Perform three-point checks smoothly, even in narrow shared rooms. Read the 2D barcodes on the patients' wristbands from any direction.
- The three-point check is used for blood collection, injections and blood transfusions.
- Because the combo type supports both NFC and barcodes, they can quickly perform patient confirmation and then use NFC to read vital signs such as body temperature, blood pressure and SpO2 from the equipment. This information is then transferred automatically to the patient's electronic health record.
- Transfer information such as the status of the IV pump, syringe pump, ventilator and the patients' vital signs to the patients' electronic health records.

Result

- There were no more situations where they couldn't confirm the patient "because the corded barcode reader won't reach", and the implementation rate of the three-point check is almost 100%!
- Due to no longer entering sickrooms pushing a cart, night-time IV changes can be performed without worrying about noise.
- Mistaken information input is prevented by having the vital signs recorded and transferred automatically.



There are a lot of patients receiving chemotherapy in my ward. We often have to measure patients' vital signs and enter it on their electronic health records every 10 or 20 minutes. Having a portable device that you can take with you when visiting patients, and entering the data as soon as you've taken measurements definitely saves a lot of time. Me and all of my colleagues are very happy with it!

Staff opinion

Regarding pictures, until recently we had to take a dedicated camera with us, take a picture of the bedside etc., then upload the pictures to the computer via a wired connection. Nowadays we can just take a picture with a mobile device, which is then immediately uploaded. This has made recording bedsores etc. go a lot smoother!

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