



Kindai University Hospital

377-2, Onohigashi, Osakasayama-shi, Osaka, 589-8511, JAPAN
Tel: +81 (0) 72 366 0221
<http://www.med.kindai.ac.jp/huzoku/index.html>
Established May 1975
Number of beds: 929



[Point of application]

- Nursing business support
- In cooperation with electronic health records

Device: Asreader® ASX-510R
Install date: Jan. 2016

This case study was based on the information available on February 2016



Deputy Hospital director
In charge of medical services
Ms. Kato

Chief of Nursing
Mr. Tatsumi

From the point of view of medical safety, Kindai University Hospital decided to actively promote the management of the barcodes of patients and medicine etc. Recently, in combination with the introduction of electronic health records, they also switched devices from PDAs to iPod touch®. By installing AsReader® the reading accuracy shot up, which also led to an increased efficiency in nursing tasks!

With AsReader® you can even read barcodes in hospital rooms in the middle of the night!



Problems

- With the way barcodes were managed before by using PDAs, barcodes often couldn't be read because they were curved etc.
- When reading by using the iPod touch®'s camera, barcodes with large amounts of information (which are very long) couldn't be recognised, and reading barcodes in sickrooms etc. at night was also very difficult due to low lighting.

Solution

- By installing AsReader® the reading accuracy shot up. It can deal with dark places and with barcodes with large amounts of information easily.
- As AsReader® cooperates with the electronic health records, using it you can perform the three-point check, medication management and prescriptions checks at the patients' bedsides.

Results

- Flow lines became shorter and time loss decreased. Also, because patient data could be input on the spot, transcription work at the nurses' station became unnecessary and efficiency went up drastically.
- (With the majority of the nurses being from the smartphone generation) no special training was needed on introduction of the new system. Although operation was started without first performing a trial run, it was applied without any particular problems.

Future developments

- AsReader® is not limited to use in wards (for inpatients), but is also starting to be used with outpatients and in rehabilitation centers. It is also scheduled to soon be introduced for dialysis as well.

What is AsReader®?

A portable terminal that you can use smart device-functions on by merely mounting an iPhone®/iPod touch® to it.



Staff opinion

Because I've had a personal iPhone® before, this new device was extremely easy to work with. The magnetic charger connects smoothly and is easy to use and very convenient.
Also, I feel that safety has increased a lot since before.
For instance if the doctor instructs an IV change, it is displayed here in real time on the IV screen and won't allow the IV to drip until the change is completed.

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<https://AsReader.com>