

Here is a familiar scene we often see in hospitals. A patient laying in a bed and connected to a number of monitors that provide valuable information during the treatment process. Upon first glance, we understand the importance of these monitors as they provide doctors and nurses with valuable information about vital signs, such as breathing, heart rate and blood pressure, and even ECG and blood glucose levels. But let's look at it from the patient perspective.

I know these monitors are necessary and important. But it's not easy or comfortable being connected to these monitors and devices 24 hours a day. For all the days, I have to be in the hospital. I've lost my independence. I can't go to the bathroom without assistance. I cannot take a shower. I'm essentially bed bound right now. I feel weak, tired and it's hard to feel better when I'm not able to move freely. It's very discouraging.

Let's also consider the perspective of nurses.

I work an eight hour shift and one of my main responsibilities is to do a spot check. This means that I visit each patient and manually write down all of the information from the monitors, and then again manually enter in all of that data into the electronic medical record when I return to the nurse's station. During a shift, I do this six times for each patient. That means I might be doing around 30-35 spot checks each shift.

During our shifts, we also administer medications, provide updates to families and attend to patients' needs, such as helping them sit up or go to the bathroom or go for a walk. It can be very hard to manage all of these duties in addition to the spot checks.

Finally, let's also consider the perspective of hospital administrators.

Lengthy patient stays can lead to a number of unseen problems for the hospital. Our revenues are going down because our turnover rate is low, which drives our costs up. We cannot admit new patients and lose them to other hospitals, because our nurses are overworked and overburdened. They tend to leave the hospital setting to work in clinics. As a result, we are often understaffed and have to spend additional money to recruit new staff. Because of staff shortages, we are forced to close a number of beds because we don't have enough staff members to manage that many patients. All of these factors further drive revenues down and costs go up. Lengthy patient stays cause a number of challenges for hospital administrators like myself.

Let's recap. Patients lose their independence and comfort while attached to various monitors in the hospital. This hinders their healing and increases their time in hospital. Nurses are responsible for numerous spot checks which involves checking on patients and monitors. Then they manually record and then manually enter this data into electronic medical records. Nurses are overworked and overburdened. Hospital administrators are concerned about decreasing revenues, staff shortages, and higher costs of operation. Considering all of these problems, what is the solution? Please meet Doctor Rohit Moudgil and Doctor Varun Koppa from IMMD. Let's hear their innovative solution to alleviate the problems with current monitors.

We would like to introduce you to Pradazka, which in Sanskrit means to monitor.

Pradazka is a wearable patient monitoring device which would address the concerns of patients, nurses, and hospital administrators, as we have heard just now.

There are many benefits of Pradazka. This wireless device allows a patient to be mobile within the first minute of admission. The patient can freely move around while wearing this lightweight and comfortable device.

Data from Pradazka is monitored continuously and wirelessly. Spot checks by nurses are completely eliminated in data entry into electronic health records is done immediately, regularly, and automatically. This greatly reduces the burden of nurses and provides more time for other types of patient care.

Pradazka continuously monitors a number of vitals, such as blood pressure, temperature, and electrocardiograms.

Additionally, Pradazka monitors oxygen saturation, respiratory rates, glucose levels, and fall detection.

Pradazka has allowed our patients to recover at quicker rates than usual, which allows us to admit new patients more frequently. We are able to send patients home sooner. Pradazka has greatly improved our revenues, reduced staff turnover, and decreased stress on our medical staff. Our hospital outcomes have vastly improved, which attracts new patients from surrounding areas.

We hope you are as excited about Pradazka, and its potential in improving and enhancing health care systems.

Welcome to the new era of inpatient monitoring innovation. Here at IMMD, we engineer for Better life. Thank you so much for your time. We hope to talk more with you soon.