

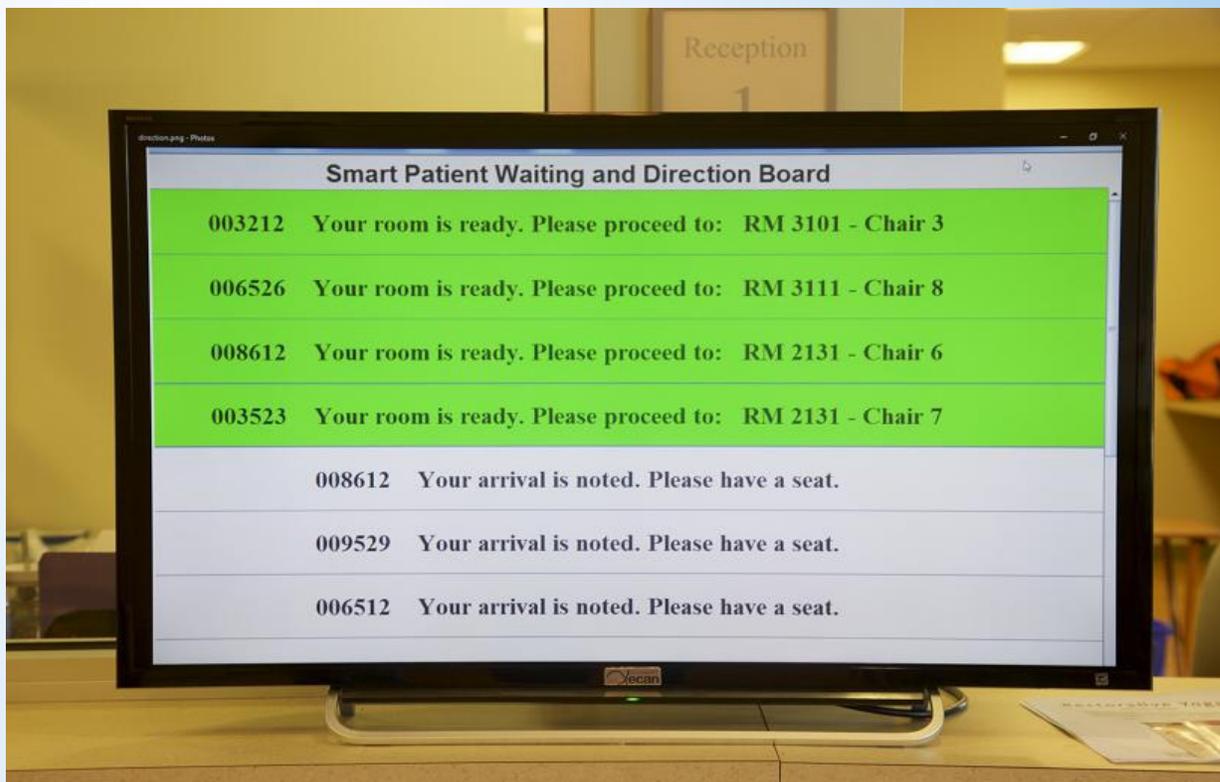
The Xecan Smart Chemotherapy Management System

- **Reduce Patient Wait-time**
- **Boost Clinic Throughput**
- **Increase Staff Efficiency**
- **Improve Patient Safety**
- **Improve Patient Experience**



1) Patient Waiting and Direction Whiteboard

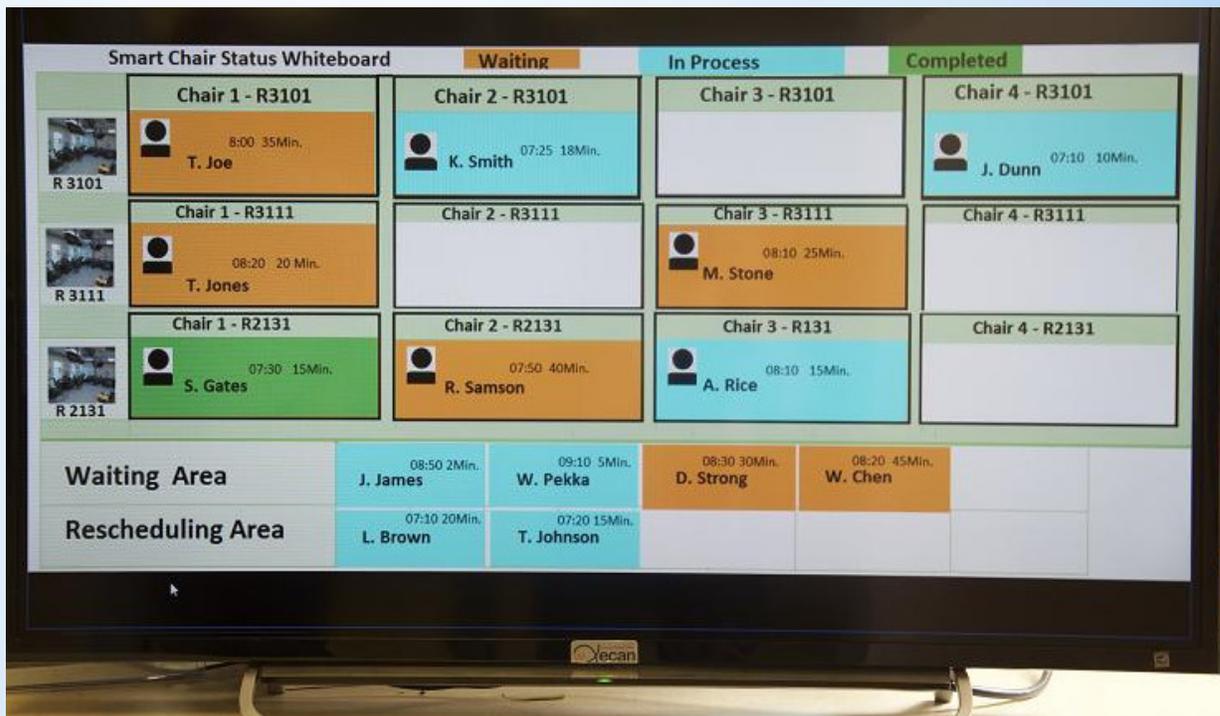
Xecan's smart chemotherapy solution can significantly reduce patient wait-time, improve patient experience, and boost clinical throughput by using RFID identification which is integrated with the hospital EMR system. When patient appointments are due to begin, Xecan sends a SMS text-message to remind them. When they arrive at the clinic for the first time, the clinic issues a unique RFID badge to them. They can use the badge to automatically check into the hospital EMR system. The self check-in function is particularly effective for patients receiving 2 cycles of chemotherapy.



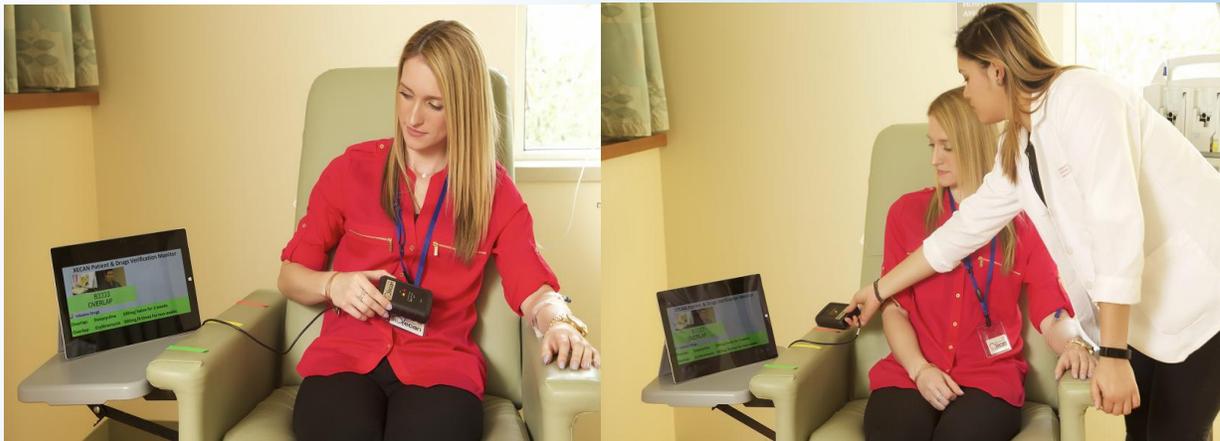
As soon as patients check-in, Xecan sends a message to the pharmacy, notifying them to prepare or locate the specific patient medication mix to be ready for use. There are multiple readers installed in the main locations of a clinic to track patient location in real-time. As opposed to the patient experience in today's clinics, while waiting in the reception area, they will be able to view their individual waiting status on an airport style directory whiteboard, as shown in the above image, with the Xecan system. The list is displayed in the order of the patient's appointment time. So patients have a clear idea how long they are going to wait in the area. Once patients are ready to be treated, instead of looking for them in person as in existing clinics today, the clinic staff can notify them through the smart whiteboard by clicking on a patient's RFID number with specific treatment room and chair number inputs. The selected RFID number and the other associated information on display will become green, signaling it is that specific patients treatment time. Patients can then proceed directly to the designated treatment room and chair at which they are scheduled for. This can significantly improve the patient experience, and improve clinic throughput.

2) Chemo Chair Status Whiteboard

With Xecan Smart Technology, all of the chemo chair usage status information is displayed in real-time on a clinic staff whiteboard. By knowing the patient location and chair status in real time on the whiteboard, staff can much more effectively perform their work.



When a patient comes to the designated chair, he/she scans his/her RFID badge with an RFID USB reader attached to that chair, then the chair status shows that it is occupied as shown at the clinic control area whiteboard. At the same time, their first name and ID will be shown on the Xecan tablet attached to the chair. When the therapist comes to administer the medication, he or she can first verify that the patient ID matches the ID on the chemo drugs. Then he/she scans his/her RFID badge so that this information is also displayed and shared in the control area, along with duration time. When a chemo bag becomes empty, instead of waiting for



XECAN Patient & Drugs Verification Monitor



**B3333
OVERLAP**

Infusion Drugs

- Overlap: Doxycycline 100mg/twice for 2 weeks**
- Overlap: Erythromycin 500mg/4 times for two weeks**

staff, patients can notify them of the status by scanning a "C" tag on the chair. That way staff can be quickly alerted to complete the process without constant checking. Once everything is cleared, the therapist can scan an "R" tag to notify that the specific chair is ready for the next patient.

The Xecan smart RFID system is projected to reduce patient wait-time, and improve throughput by 50% with the same number of staff, with much improved patient safety and a more favorable patient experience.