



RealView™

The Right Track in Surgical Throughput

 PeriOptimum™

Real-Time Efficiency for Real-Time Care



RealView™

RealView, PeriOptimum's patient real-time location system, was created to improve communication and data accuracy under a simple premise: track your patients and make your patient flow transparent throughout the perioperative process. You can then organize staff to allow more focus on patient care, which ultimately leads to better patient satisfaction. By streamlining the perioperative process, you eliminate bottlenecks that will increase patient throughput, revenue opportunities, staff satisfaction and naturally provide more time for patient care. On a real-time basis you are able to make quick, informed decisions about the best use of all of your resources.

RealView™: Patient Tracking Technology in Real-time... Automatically!

Some systems claim to track the patient, but they don't do it Automatically. Those other systems depend upon human input, after the events occur. Workflow events change rapidly and the information is only as good as the people entering in what they perceive to be the correct information. To augment workflow management, data is automatically collected via timestamps capturing patient's events. Timestamps are easily configured for all parts of the workflow automatically; there is no need for hand-entered timestamps events. RealView along with PeriOptimum's Process Management Technology Solutions maximizes the capacity of operating room (OR) suites, leading to organizational change and improved operating revenue from the real-time visualization. RealView can also be deployed in other procedural departments where patient throughput is critical, such as the cardiac catheterization lab.

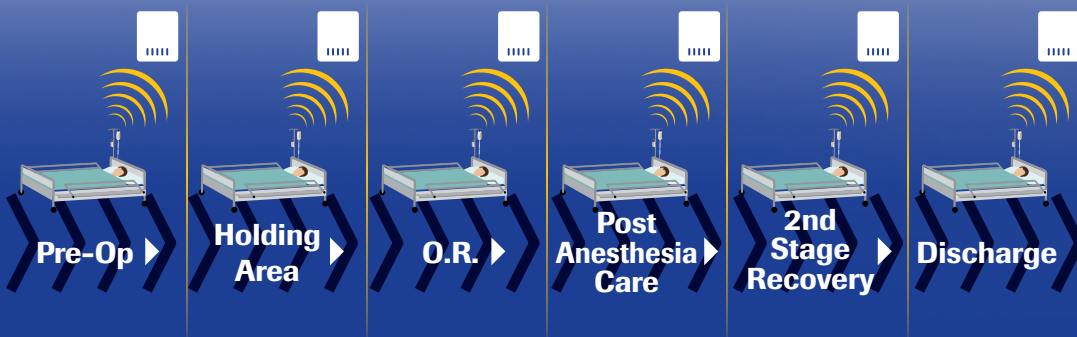
The RealView system tracks patient events in the perioperative process. Using real-time location systems (RTLS) technology to track the patient flow in a real-time format allows you the user to access many different views of your professional team and their assignments maximizing surgical suite usage. All of this information is tracked Instantly and Automatically so there is no need for valuable time to be taken away from your patient's care.

How It Works

When a patient is admitted, they are given a CareTag which is their personal tracking device. This device is assigned a unique ID which corresponds to their name, doctor, procedure and all other pertinent case information. The CareTag accompanies the patient through all steps in the perioperative process as well as any ancillary procedures.

As the patient moves throughout the perioperative process, the CareTag's transmitter signals are read by the real-time location system strategically placed in various locations to receive the patient's uniquely coded signals. The CareTags contain buttons which can be pushed by the care giver to update everyone about a patient's status. The hospital has the ability to customize RealView to how they see fit. Running in 'auto-pilot' mode, a patient's location and status are automatically detected by RealView. The patient status is communicated in a way that allows for easily readable graphical user interfaces that allow care givers to make real-time decisions based on views provided by CareBoards strategically placed throughout the hospital.

All of the patient's information at any point in the day can be broken into different customizable views. Some of the many views incorporate OR and Recovery Room usage as well as the care team member status. All of the people involved (doctors, nurses, administration and patient family members) during the patient's perioperative process are given the right information at the right time. After all, Information is Power.



All of the tracking stages are signaled by RealView, culminating in information which is sent to OR computer stations, Patient Family CareBoard, CareBoard Kiosks and other notification vehicles.

Giving the Staff a Real-time View for Real-time Decisions

One of the most beneficial features provided by RealView is the current, real-time patient status. RealView communicates the patient location AND case status to physicians, nurses, staff and the patient's family through web-based monitor displays. No need to print out hand-revised schedules or worry that your professionals don't have the most current information; RealView updates staff on the status of all patients and procedures performed 24/7 which leads to improved communication between physicians and staff, allowing all resources to be managed more efficiently, thus reducing unnecessary administrative stress and strain. RealView's improved communication facilitates situational awareness enabling on-the-spot corrective action transforming patient care from reactive to pro-active.

Sorting the Real-time Information

What does all of this information mean to the people involved?

It means that Surgeons, Anesthesiologists, Clinicians and Caregivers can have their own customized CareBoards to help monitor the current state of the perioperative process, creating a predictable patient-care environment. One of the many benefits is that underused surgical suites can be switched quickly to absorb the work flow.

Of course, the amount of information accrued needs to be sorted and usable. Informed decision making is one of the hallmarks of installed RealView systems because you have the "big picture" provided to you. Reports containing accurate information allow effective decisions to be made much easier. RealView takes any politics or second-guessing out of the decision making process.

Case	Room	Age	Sex	Start Time	End Time	Status	Priority	Notes
101	101	65	M	11:00	11:30	Prep	High	Prep Room
102	102	55	F	11:00	11:30	Prep	High	Prep Room
103	103	70	M	11:00	11:30	Prep	High	Prep Room
104	104	60	F	11:00	11:30	Prep	High	Prep Room
105	105	50	M	11:00	11:30	Prep	High	Prep Room
106	106	65	F	11:00	11:30	Prep	High	Prep Room
107	107	75	M	11:00	11:30	Prep	High	Prep Room
108	108	60	F	11:00	11:30	Prep	High	Prep Room
109	109	55	M	11:00	11:30	Prep	High	Prep Room
110	110	65	F	11:00	11:30	Prep	High	Prep Room

Umsbridge, Centre
Case Summary
Age: 65, Sex: M, Start Time: 11:00, End Time: 11:30, Status: Prep, Priority: High
OR: 101, Room: 101, Staff: [Name], Case: [Name]

Buttons: Closing Begins (11:25:00), Surgery Ends (11:30:00), Pt leaves OR (11:30:00), Pt into PACU (11:30:00), Access Ends (11:50:00), Pt Leaves PACU, Pt into QIP, Print & Close Code, Send to Workstation

Caring for the Patient's Family Means Greater Patient Satisfaction

The valuable information of Patient Status does not stop at the professional, care giving and administrative levels. Patient Families, through the Patient CareBoard Waiting Room status screens and lounge/cafeteria Patient Family CareBoard Kiosks communicate exactly where their loved ones are in the process at all times. Also, loved ones not present at the hospital can have access to the patient's progress instantly via an internet, e-mail or cellphone message broadcast via RealView's CarePass. With RealView, the quality of patient care and communicated information improves, which is reflected in higher satisfaction scores from patients as well as physicians and staff. The real-time communication of the patient's status to their family helps to eliminate thousands of phone calls as well as reduces family member's anxiety.

CareBoard™		PeriOptimum	
Case #	Message	Time	Location
10148	Patient has arrived in a post-operative care area	08:21	SDS
11279	Patient has left the O.R. and entered Recovery.	09:38	PACU
11717	Patient has left the O.R. and entered Recovery.	07:57	PACU
11718	Patient has left the O.R. and entered Recovery.	08:47	PACU
12129	Patient has arrived in the O.R. and preparation for surgery is beginning	09:50	OR
12130	Surgery is now in progress	09:38	OR
12282	Surgery is complete and the patient is being prepared to leave the O.R.	09:10	OR
12283	Patient has arrived in a post-operative care area	08:45	SDS
12284	Patient has left the O.R. and entered Recovery.	08:31	PACU
12285	Patient has arrived in the O.R. and preparation for surgery is beginning	09:39	OR
12286	Patient has left the O.R. and entered Recovery.	09:31	PACU
12344	Patient is in the pre-operative area where the anesthesiologist and nurses are preparing the patient for surgery	09:46	SDS
12346	Patient has arrived in the O.R. and preparation for surgery is beginning	09:11	OR
12347	Patient has arrived in the O.R. and preparation for surgery is beginning	09:35	OR
12441	Patient is in the pre-operative area where the anesthesiologist and nurses are preparing the patient for surgery	07:47	SDS
12461	Patient has left the O.R. and entered Recovery.	08:10	PACU
12462	Patient is in the pre-operative area where the anesthesiologist and nurses are preparing the patient for surgery	08:31	SDS
12463	Patient has arrived in a post-operative care area	09:06	SDS
12465	Procedure is complete. Closing has begun.	10:00	OR
12482	Surgery is now in progress	09:05	OR
12486	Surgery is now in progress	08:42	OR

CareBoard gives the patient's family an up-to-the-minute report of their loved one's status.



No more waiting for information. The family is updated in any number of ways including pager, cell phone or email.

Doctor, Here's What RealView™ Can Do for You

RealView provides a real-time visualization of workflow that enables all attending Physicians to benefit from well-informed decisions about the use of an institution's time and resources.

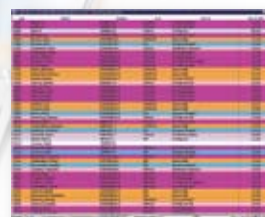
RealView's workflow management system provides continuous updates of the perioperative flow. Armed with real-time information, everyone in perioperative services can immediately communicate with other caregivers as well as the patient's family. Through the use of RealView displays and instant notifications, Surgeons, Physicians and Clinicians are able to visually track the current state of the process and make smart real-time decisions. This creates a predictable patient care environment resulting in improved patient safety. The "air-traffic control" perspective of all surgical cases across departments and even across multiple facilities allows for efficiently organized and orderly workflow.

A Physician benefits from the optimized Patient scheduling and increased caseload. RealView gives you the ability to anticipate and plan for care which creates opportunities for efficiency, resulting in increased throughput and revenue.

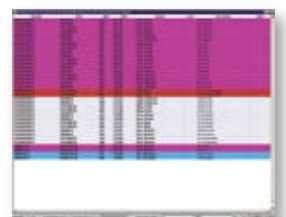
Less waiting and lag-time means more procedure time and more Patients attended. *And of course, caring for your Patients is your Job #1.*



View the entire schedule in real-time.



View up-to-the-minute patient status.



Sort your view by speciality.

Hospital Administrators, Here's What RealView™ Can Do for You

You are charged with providing the best care possible to your patients and their families. You're also responsible for maximizing ROI on the expensive real estate, equipment and the many salaries that are under your management. RealView allows strategically captured data to be transformed into a better engineered workflow processes for your health care system. Crucial decisions can be made based upon meaningful data captured by RealView, in real-time, transforming your surgical services decisions from a reactive to a proactive approach.

By real-time tracking of the patient through the perioperative process RealView helps your bottom line. Here's how:

- **Reduces time between cases**
- **Reduces employee overtime by “seeing” the perioperative flow ahead of time**
- **Monitoring in real-time the current surgical throughput situation, your staff can prepare for “what’s next”**
- **Patient and staff spend less time waiting**
- **Use of surgical teams’ time and suites are maximized**
- **Efficient workflow is a strong motivator for surgeons to bring more cases to their facility**
- **Raise Press Ganey and HCAHPS satisfaction scores significantly**
- **Provide an efficient care delivery model creating a positive work environment**

Immediate Installation, Set Up and Follow Up

We customize our installation project plan based upon your needs for ease of installation and eliminate any issues before they arise. RealView communicates with all of the major surgical information systems. Seamless integration is achieved by our team of clinical and technology savvy installation professionals.

Call us or e-mail us to set up a time that we may speak with you about RealView and its add-ons, the greatest way to manage your Real-time Care for your Patients, their Families and your HealthCare Facility.

What RealView™ Can Do For Your Hospital

Improve Your Efficiency

- Real-time automated patient tracking
- Real-time updating of current schedule including emergencies, add-ons and cancellations
- Eliminate hundreds of phone calls per shift
- Totally automated communication from every point in the perioperative environment
- Increase case volume

Improve Perioperative Work Flow and Total Management

- Enable real-time decision making at every level
- PeriOperative process becomes transparent – no longer silo based
- Optimize surgical flow in a complex environment
- Remove the finger pointing from block management
- Quickly customize your system to meet the needs of your hospital's unique environment and patient flows
- RealView acts as a catalyst for positive culture change removing politics from decisions
- Improve employee satisfaction

Improve Patient Family Satisfaction

- Improved Press Ganey scores and HCAPS/HCAHPS
- An informed, updated patient family is a happier patient family

Improve Your ROI Quickly!

- Reach your maximum potential with efficiencies at all levels



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