GE Healthcare

Centricity Perioperative

>

One solution for all of your surgery and anesthesia software needs.

Click to view demo

Synchronizing surgical services providers for better patient care

Centricity Perioperative puts comprehensive patient data at the point of care, to help your clinicians make better informed decisions quickly and efficiently.

Developed by an interdisciplinary team of healthcare and IT experts, this highly adaptable perioperative management software integrates surgery and anesthesia workflows throughout your enterprise, including OR inventory, OR scheduling, nursing documentation, pre-op and post-op care.

Centricity Perioperative Manager

A feature-rich surgery management system, Centricity Perioperative Manager addresses the business and administrative aspects of enhanced patient care to help optimize room utilization, provider efficiency, and inventory charge capture. The easily configurable system lets you create forms and templates to streamline everything from scheduling to managing resources to billing and management reporting.
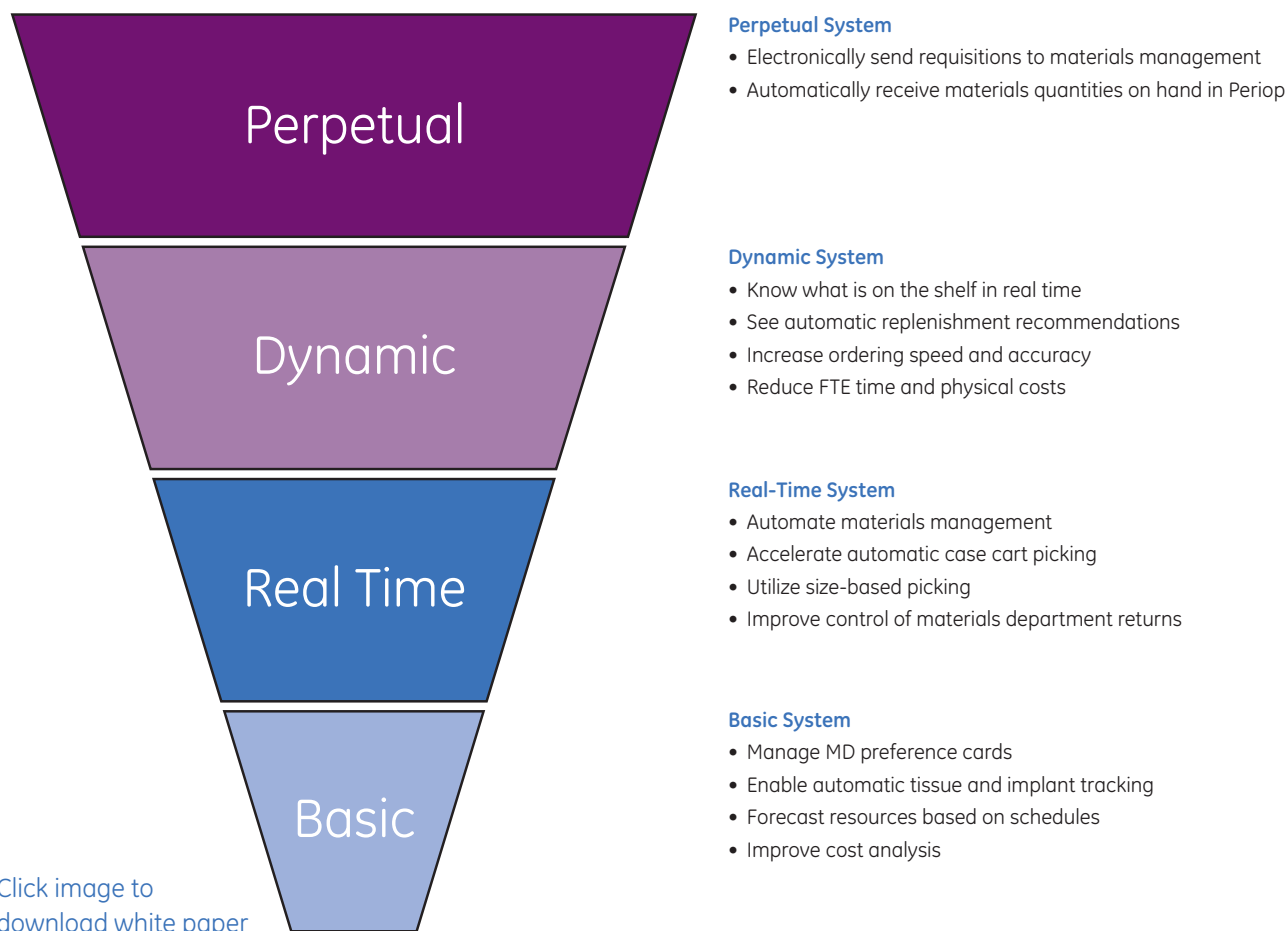
Centricity Perioperative Anesthesia

An industry-leading Anesthesia Information Management System (AIMS), **Centricity Perioperative Anesthesia** streamlines the capture, flow, and management of patient data throughout your facility. It can help provide more predictable patient care, enable more access to clinical information, and optimize reimbursement in anesthesia. This powerful, yet highly flexible solution accelerates the usefulness of departmental information systems and patient monitoring devices, putting comprehensive information at your fingertips.

Supporting a dynamic perioperative supply chain to drive ROI

Increase the accuracy of materials on hand.
Reduce inventory-carrying costs. Improve OR utilization.

Perpetual

Dynamic

Real Time

Basic

Click image to download white paper

Perpetual System
- Electronically send requisitions to materials management
- Automatically receive materials quantities on hand in Periop

Dynamic System
- Know what is on the shelf in real time
- See automatic replenishment recommendations
- Increase ordering speed and accuracy
- Reduce FTE time and physical costs

Real-Time System
- Automate materials management
- Accelerate automatic case cart picking
- Utilize size-based picking
- Improve control of materials department returns

Basic System
- Manage MD preference cards
- Enable automatic tissue and implant tracking
- Forecast resources based on schedules
- Improve cost analysis

With Centricity Perioperative technology, your hospital can take a modular approach to improving your OR supply chain—automating it in stages to enhance your management functionality and capabilities as your needs and budget grow.

Regulatory compliance.

With robust tissue-tracking records and sterile-processing documentation, Centricity Perioperative helps you stay ahead of regulatory requirements.

Summa Akron City Hospital results

Up to 50% time savings in inventory audits.

With Centricity Perioperative, Summa Akron City Hospital reduced the time it takes to complete bi-annual inventory audits by up to 50%, saving expensive FTE overtime hours and reducing department interruptions.

Improvements across the supply chain.

Centricity Perioperative has enabled Summa Akron City Hospital to:

- Reduce on-hand inventory by 15% in the second year alone
- Increase charge capture by 15% to optimize revenue
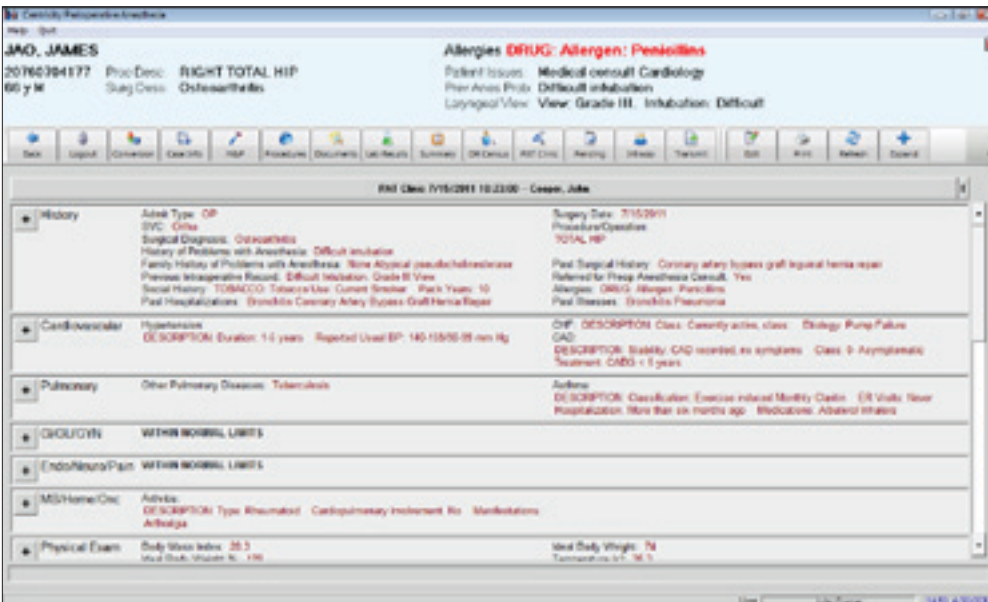- Decrease supply costs by 4% by reducing waste

Click to view case study

OR patient and staff scheduling

Your OR scheduling system should be intuitive and help to optimize your ORs. It should also help you manage regulatory compliance and facilitate web-enabled scheduling across all of your critical care areas, including cath lab, burn unit, PAT, and PACU. Centricity Perioperative brings all of these capabilities.

OR nursing documentation

Your perioperative nursing documentation system should support enhanced patient care and operational efficiency. Centricity Perioperative does this by providing pathway based charting to enforce quality standards such as JCAHO and PNDS, and bar code based instrument charting to more effectively drive your supply chain.

Click screen to enlarge

Click screen to enlarge

PAT Clinic Manager and assessment forms

Your practice and your patients benefit from Centricity Perioperative even before those patients are in the OR. One customer realized a 20% improvement in first-case on-time starts[1] with Centricity Perioperative's PAT Clinical Manager. In addition, pre-op assessment forms can help your staff capture the correct and relevant data for each patient to enhance patient safety and optimize professional fee billing.

Intuitive anesthesia documentation

The heart of any AIMS is intuitive anesthesia documentation. Anesthesia providers consistently report that GE's anesthesia documentation is intuitive to operate, faster[2] and easier than paper, and consistent with their current practice.
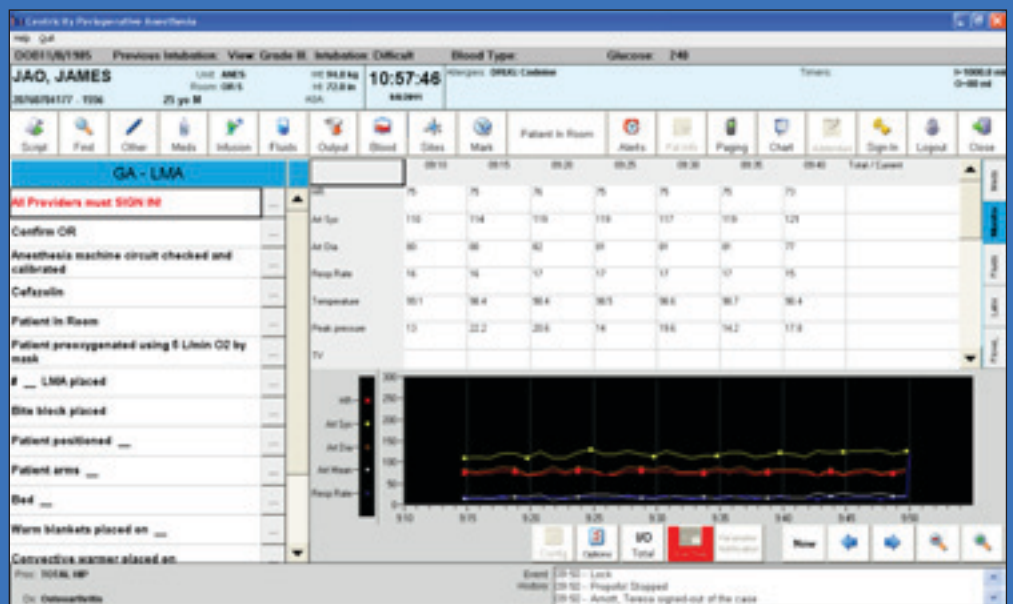
Beyond documentation, an AIMS should also be an indispensable tool that helps provide clinical decision support, improves patient flow, provides tools to securely view patient information from any location, and simplifies and optimizes the billing process.
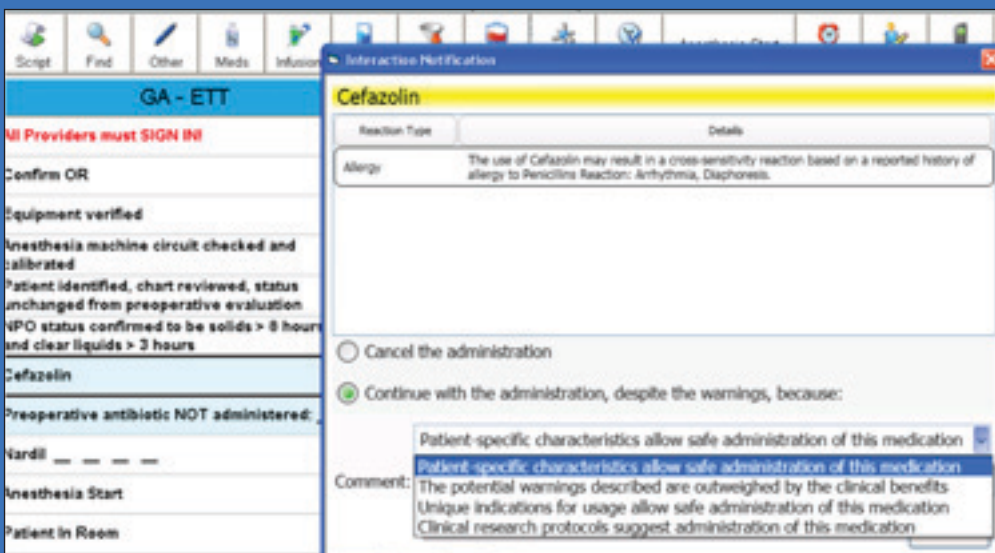
An AIMS that can do all of these things—such as Centricity Perioperative—can be paramount for your perioperative department.

Anesthesia Documentation

With 100% touchscreen and wireless documentation capability, customizable clinical scripts, and monitor capture options, Centricity Perioperative Anesthesia speeds adoption and implementation among clinicians so that they can focus on patient care.

Click screen to enlarge

Anesthesia Interaction Checking

Get early notification of potential interactions between allergies and medications in the intraoperative environment, to help provide more consistent patient care and better manage Meaningful Use certification.

Click screen to enlarge

Improve perioperative patient flow and department management—from anywhere

Centricity Perioperative Tracker

Get a real-time view of patients, resources and surgical case events with a virtual white board that provides customizable views with detail for clinicians and management and a privacy view for patients' family.

Centricity Perioperative Bed Manager

Get a cross sectional view into real time bed management in Preop, Intraop and PACU powered by key documentation and time elements, and accessible from a mobile platform.

PACU Documentation

Increase efficiency for PACU nurses with scripts that offer quick touch-screen data entry, the ability to vary content by patient population, device capture of vital signs, and easy reference of intraoperative data.

Professional Fee Billing

Automatically extract and summarize key billable elements for your billing staff to save time and optimize revenue capture. Correct capture of co-morbidity data ensures modifiers are correctly identified for complicated procedures, while structured procedure notes help ensure standard billing language.

PACU Documentation

Tailored support from a dependable partner

Professional services

No matter the size of your present installation our IT Professional Services can assist in developing an improved perioperative workflow.

- Project management, implementation, and workflow consulting
- Super user/Project team training
- Technical and integration support services

Consulting services

Clinical and technical consulting helps improve your clinical workflow, optimize system performance, and provide guidance to your decision-making processes.

- Analyze future state key considerations
- Phasing recommendations
- Guidance of content development and configuration process

Streamlined implementation

GE Healthcare's approach to hospital implementation is streamlined to best utilize your valuable time and resources. We combine training, workflow analysis, and system building into collaborative sessions with hospital project teams so that they're able to analyze and apply policies and procedures into the system quickly and efficiently.

Clinical application training

Courses are administered by experienced GE Healthcare application specialists, cover a wide variety of training topics, and can be delivered in several mediums.

Online resources

Information and product updates are available online for convenient 24/7 access, along with periodic webinars on a variety of topics.

Community engagement

The Centricity Perioperative user community independently shares best practices, and ideas to assist in the ongoing improvement of the Centricity Perioperative System both online and in person at regional and national events.

[1]2011 data provided by University of Tennessee. On-time starts increased from 72% to 87%.

[2]www.KLASresearch.com

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access, and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com

GE Healthcare
540 West Northwest Highway
Barrington, IL 60010
U.S.A.

www.gehealthcare.com

Follow us   @GEHealthcareIT

Scan to visit our website

imagination at work

Video:

Centricity Perioperative demo video - http://bit.ly/11CCfxD

Literature:

Centricity Perioperative Anesthesia brochure – tiny.cc/cpoanesthesia

Perioperative Supply Costs white paper – tiny.cc/cpowpsupply

Summa Akron City Hospital case study – tiny.cc/cposummaakroncs

Additional resources:

GE Healthcare IT Implementation – tiny.cc/gehcitimplementation

GE Healthcare IT Support – tiny.cc/gehcitsupport

GE Healthcare IT Consulting – tiny.cc/gehcitconsulting

Centricity Perioperative – www.gehealthcare.com/CentricityPerioperative

Centricity Perioperative Information Exchange – www.cpieboard.org

healthymagination – www.healthymagination.com

GE Healthcare – www.gehealthcare.com

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R/T	STAFF	09:00	10:00	11:00	12:00	13:00
OR 1 (MAIN)	ACKM RADM ODOM LUN/C	RANDALL, MICHAEL 20760704150 CORONARY ARTERY BYPASS GRAFT (CABG) GUYTON, STEVE				
OR 2 (MAIN)	ADC/P ADN/S REY/JA ODOM OAK/W	GUPTA, SURESH 19760704171 APPENDECTOMY ALLEN, LESLEY	JONES, MARK 18760704175 APPENDECTOMY ALLEN, LESLEY			
OR 3 (MAIN)	RADM RIN/S PEO/N LUN/C	NETTA, PATRIC... 18760704178 TONSILLECTO... PLATT, BARBA...	POPEL, MARY 20760704174 TONSILLECTO... PLATT, BARBA... / HOBART, SAM 58466465444 TONSILLECTO... PLATT, BARBA... None / BRADFORD, ML 54354354353 TONSILLECTO... PLATT, BARBA... / JONES, ISAAC 65465465465 TONSILLECTO... PLATT, BARBA...			
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OR 5 (MAIN)	AFF/R SCH/B SIN/K LOR/S	JIAO, JAMES D 20760704177 RIGHT TOTAL HIP WHITSIT, CHRISTOPHER None				SMITH, JUNE D 20760704404 LEFT TOTAL HIP WHITSIT, CHRISTOPHER
OR 6 (MAIN)	ACKM SAB/A UL/VE OAK/W	ORTEGA, HENRY D 18760704171 CRANIOTOMY PHILLIPS, JOE		LOPEL, KARA 20760704152 CRANIOTOMY FOR TUMOR PHILLIPS, JOE		
OR 7 (MAIN)	ALA/V ALB/R RIN/S UTH/R LUN/C	RONBACK, TABATHA 18760704176 COLECTOMY TOTAL AUSTIN, DAVID		KENNEDY, DANIEL 19760704173 COLECTOMY TOTAL AUSTIN, DAVID		
OR 8 (MAIN)	AHD/K	PARKER, PETER D 18760704172 CORONARY ARTERY BYPASS GRAFT (CABG) GUYTON, STEVE				
WAIT (MAIN)						

SCHEDULED	ARRIVED	PRE OP	READY	IN RM	START	FINISH	OUT RM	IN PACU	DC PACU	ADD ON	EMERGENCY	CANCELED

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JAO, JAMES

20760704177   Proc Desc: **RIGHT TOTAL HIP**
66 y M   Surg Desc: **Osteoarthritis**

Allergies **DRUG: Allergen: Penicillins**

Patient Issues: **Medical consult Cardiology**
Prev Anes Prob: **Difficult intubation**
Laryngeal View: **View: Grade III. Intubation: Difficult**

| Back | Logout | Conversion | Case Info | H&P | Procedures | Documents | Lab Results | Summary | OR Census | PAT Clinic | Pending | Intraop | Transmit | Edit | Print | Refresh | Expand |

PAT Clinic 7/15/2011 10:23:00 -- Cooper, John

+ History

Admit Type: OP
SVC: Ortho
Surgical Diagnosis: Osteoarthritis
History of Problems with Anesthesia: Difficult intubation
Family History of Problems with Anesthesia: None Atypical pseudocholinesterase
Previous Intraoperative Record: Difficult Intubation Grade III View
Social History: TOBACCO: Tobacco Use: Current Smoker   Pack Years: 10
Past Hospitalizations: Bronchitis Coronary Artery Bypass Graft Hernia Repair

Surgery Date: 7/15/2011
Procedure/Operation:
TOTAL HIP

Past Surgical History: Coronary artery bypass graft Inguinal hernia repair
Referred for Preop Anesthesia Consult: Yes
Allergies: DRUG: Allergen: Penicillins
Past Illnesses: Bronchitis Pneumonia

+ Cardiovascular

Hypertension:
 DESCRIPTION: Duration: 1-5 years   Reported Usual BP: 140-159/90-99 mm Hg

CHF: DESCRIPTION: Class: Currently active, class: Etiology: Pump Failure
CAD:
 DESCRIPTION: Stability: CAD recorded, no symptoms   Class: 0- Asymptomatic
 Treatment: CABG < 5 years

+ Pulmonary

Other Pulmonary Diseases: Tuberculosis

Asthma:
 DESCRIPTION: Classification: Exercise induced Monthly Claritin   ER Visits: Never
 Hospitalization: More than six months ago   Medications: Albuterol Inhalers

+ GI/GU/GYN   WITHIN NORMAL LIMITS

+ Endo/Neuro/Pain   WITHIN NORMAL LIMITS

+ MS/Heme/Onc

Arthritis:
 DESCRIPTION: Type: Rheumatoid   Cardiopulmonary Involvement: No   Manifestations:
 Arthralgia

+ Physical Exam

Body Mass Index: 28.3
Ideal Body Weight %: 128

Ideal Body Weight: 74
Temperature (c): 36.3

User   John Cooper   14:59 4/30/2012

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Help   Quit

DOB11/8/1985   Previous Intubation: View: Grade III.   Intubation: Difficult   Blood Type: Glucose: 240

JAO, JAMES   Unit: ANES   Wt:94.8 kg   **10:57:46**   Allergies: DRUG: Codeine   Timers: I=1000.0 ml

20760704177 - 1556   Room: OR 5   Ht: 72.0 in   9/8/2011   O=60 ml

25 yo M   ASA:

| Script | Find | Other | Meds | Infusion | Fluids | Output | Blood | Sites | Mark | Patient In Room | Alerts | Pat Info | Paging | Chart | Addendum | Sign-In | Logout | Close |

GA - LMA		09:10	09:15	09:20	09:25	09:30	09:35	09:40	Total / Current
All Providers must SIGN IN!	...	HR	75	75	76	75	75	75	73	
Confirm OR	...	Art Sys	110	114	119	119	117	119	121	
Anesthesia machine circuit checked and calibrated	...	Art Dia	80	80	82	81	81	81	77	
Cefazolin	...	Resp Rate	16	16	17	17	17	17	15	
Patient In Room	...	Temperature	99.1	98.4	98.4	98.5	98.6	98.7	98.4	
Patient preoxygenated using 5 L/min O2 by mask	...	Peak pressure	13	22.2	20.6	14	19.6	14.2	17.8	
# __ LMA placed	...	TV								
Bite block placed	...									
Patient positioned __	...									
Patient arms __	...									
Bed __	...									
Warm blankets placed on __	...									
Convective warmer placed on	...									

Legend: HR —, Art Sys —, Art Dia —, Art Mean —, Resp Rate —

Graph y-axis: 300, 250, 200, 150, 100, 50
Graph x-axis: 9:10, 9:15, 9:20, 9:25, 9:30, 9:35, 9:40, 9:45, 9:50

Config   Options   I/O Total   Inactive   Parameter Notification   Now

Proc: TOTAL HIP

Dx: Osteoarthritis

Event History:
09:50 - Lock
09:50 - Propofol Stopped
09:50 - Arnott, Teresa signed-out of the case

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Script | Find | Other | Meds | Infusion

GA - ETT

All Providers must SIGN IN!

Confirm OR

Equipment verified

Anesthesia machine circuit checked and calibrated

Patient identified, chart reviewed, status unchanged from preoperative evaluation

NPO status confirmed to be solids > 8 hours and clear liquids > 3 hours

Cefazolin

Preoperative antibiotic NOT administered: _

Nardil __ __ __ __

Anesthesia Start

Patient In Room

Interaction Notification

Cefazolin

Reaction Type	Details
Allergy	The use of Cefazolin may result in a cross-sensitivity reaction based on a reported history of allergy to Penicillins Reaction: Arrhythmia, Diaphoresis.

○ Cancel the administration

● Continue with the administration, despite the warnings, because:

Patient-specific characteristics allow safe administration of this medication

Comment:
- Patient-specific characteristics allow safe administration of this medication
- The potential warnings described are outweighed by the clinical benefits
- Unique indications for usage allow safe administration of this medication
- Clinical research protocols suggest administration of this medication

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Help   Quit

DOB 11/8/1945   Previous Intubation: View: Grade III.   Intubation: Difficult   Blood Type: Glucose: 240

JAO, JAMES   Unit: ANES   Wt 94.8 kg   **11:08:37**   Allergies: DRUG: Penicillins   Timers: I=1022.2 ml
Room: OR 6   Ht: 72.0 in
20760704177 - 1556   66 yo M   ASA: 5   4/27/2012   O=130 ml

| Script | Find | Other | Meds | Infusion | Fluids | Output | Blood | Sites | Mark | Discharge from PACU | Alerts | Pat Info | Paging | Chart | Edit | Sign-In | Logout | Close |

PACU - Phase 1

	10:35	10:40	10:45	10:50	10:55	11:00	11:05	Total / Current
Patient admitted to PACU	Pain Score/Scale	3: Number: Back		3: Number: Back		3: Number: Back		
Patient identified	Pain characteristic	Burning		Burning		Burning		
Side rails up, stretcher/bed wheels locked.	Sedation score	0		0		0		
Patient connected to monitors, alarms on/set appropriately.	Behaviors	Restless		Restless		Restless		
Patient positioned postop in __	Nausea	Moderate		Moderate		Moderate		
HOB: __	Vomited	0		1		2		
Isolation Precautions __	Retched	0		0		0		
Extubated by Anesthesiology provider								
Waiting room contacted								
Arterial line zeroed, blood pressure checked								
Ketorolac								
Ondansetron								
Oral care								

HR — x
Art Sys — •
Art Dia — •
Art Mean — •
Resp Rate — •

Config   Options   I/O Total   Active   Parameter Notification   Now

Proc: RIGHT TOTAL HIP   Arnott, Teresa

Dx: Osteoarthritis

Event   11:15 - Arnott, Teresa signed-in to the case (Physically Present)
History: 11:15 - Cooper, John signed-out of the case
11:13 - Cooper, John signed-in to the case (Physically Present)

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R/T	STAFF	09:00	10:00	11:00	12:00	13:00

10:00

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WAIT (MAIN)						

| SCHEDULED | ARRIVED | PRE OP | READY | IN RM | START | FINISH | OUT RM | IN PACU | DC PACU | ADD ON | EMERGENCY | CANCELED |

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