



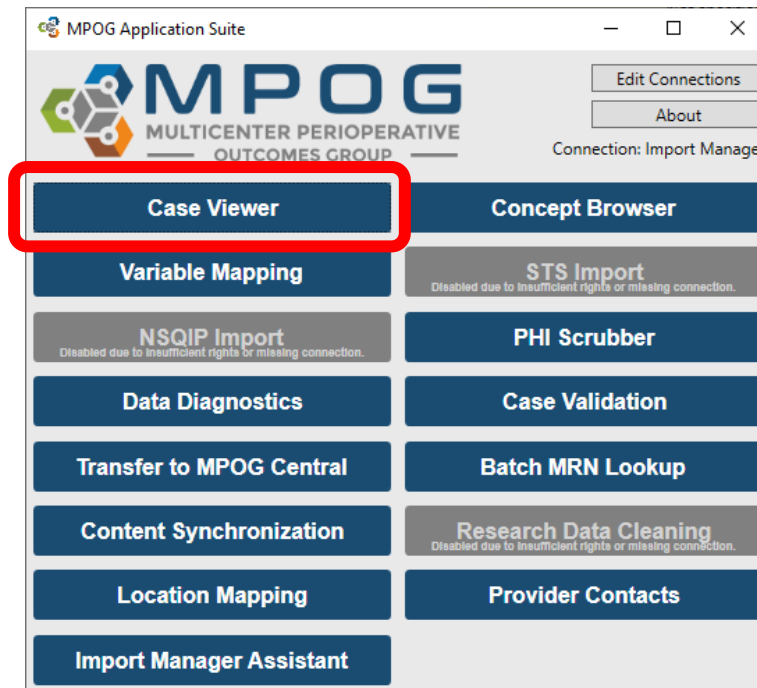
# Module 5

## Case Viewer



# Case Viewer Overview

The MPOG Case Viewer application displays individual case data just as an anesthesia information management system (AIMS) would display.



(No case loaded) X +

**Fast Case Lookup**

**Find a Specific Case**  
Enter patient ID / case ID / MRN

**Browse for Cases**  
Find cases by using one or more of the filters below.

- Age
- CPT Code
- ICD Code
- MPOG Concept ID
- Opened Date Range
- Primary Surgical Service
- Procedure Text
- Registry Data
- Surgery Date Range

**Filter Shortcuts**

Case Type	Patient Age	Date of Surgery	Recently Opened
CABG	Pediatric	June 2021	Today
Knee Arthroplasty	Adult	May 2021	Yesterday
Labor Epidural		April 2021	This Week
		Year to Date	Last Week
			June 2021
			May 2021

**Enter Case List**  
Paste a list of MPOG Case IDs in the box below, each case on a separate line.

[Import](#)

To open a case, search by MPOG Patient ID, MPOG Case ID, or MRN in either location

Option to browse for cases by using one or more filters listed under “browse for cases”

Import or copy/paste a case list here if interested in viewing multiple specific cases from a list

# View Multiple Cases from Case List

Enter a list of MPOG Case IDs in the box, one per line, and click “Import”. A case will open.

September 2019

**Enter Case List**  
Paste a list of MPOG Case IDs in the box below, each case on a separate line.

Import

# Using the Case List

- Arrows appear along the bottom of the left hand column to scroll between cases. If a case number is known (ex: you want to go to case 50 of 100), use the text field to type the desired case number.
- When scrolling through cases using this feature, any 'Sections' opened in the case view (see 'Sections' slide) will remain open
- User will remain in the same section of the chart when scrolling between cases



# Search by Filter

## Browse for Cases

Find cases by using one or more of the filters below.

Age  
CPT Code  
ICD Code  
MPOG Concept ID  
Opened Date Range  
Primary Surgical Service  
Procedure Text  
Registry Data  
Surgery Date Range

## Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
CABG	Pediatric	June 2021	Today
Knee Arthroplasty	Adult	May 2021	Yesterday
Labor Epidural		April 2021	This Week
		Year to Date	Last Week
			June 2021
			May 2021

- **Age-** Search for cases by specific age ranges
- **CPT code-** Search for cases that include a specific CPT code.
- **ICD code-** Search for cases that include a specific ICD code
- **MPOG Concept ID** – Lists all cases that have a specific MPOG concept documented.
  - Without other filters, searching by MPOG Concept ID may take awhile. Consider adding a date range filter.
- **Opened Date Range-** This will generate a list of cases that the user previously opened during that time period.
- **Primary Surgical Service** - allows users to search by the primary surgical service associated with each case
- **Procedure Text-** Searches for matches in the Procedure Text field associated with a case (eg. CABG)
- **Registry Data-** Lists all cases that include data from MSQC, NSQIP, STS Adult Cardiac, STS Congenital Heart and STS General Thoracic
- **Surgery Date Range-** Find cases that occurred between specific dates.

# Search By Filter

The screenshot shows the MPOG Case Viewer interface. On the left is a dark blue sidebar with navigation options: Fast Case Lookup, Case Search (highlighted), Chart, Record Search, Administrative, H & P, Outcomes, and Labs. The main content area has a top bar with "(No case loaded) X +". Below this is a search section titled "Find a Specific Case" with a text input field labeled "Enter patient ID / case ID / MRN". Underneath is a "Browse for Cases" section with the instruction "Find cases by using one or more of the filters below." and a list of filter categories: Age, CPT Code, ICD Code, MPOG Concept ID, Opened Date Range, Primary Surgical Service, Procedure Text, Registry Data, and Surgery Date Range. A "Filter Shortcuts" section follows, with a table of quick filters:

Case Type	Patient Age	Date of Surgery	Recently Opened
CABG	Pediatric	June 2021	Today
Knee Arthroplasty	Adult	May 2021	Yesterday
Labor Epidural		April 2021	This Week
		Year to Date	Last Week
			June 2021
			May 2021

Below the shortcuts is an "Enter Case List" section with the instruction "Paste a list of MPOG Case IDs in the box below, each case on a separate line." and a text input field with an "Import" button to its right.

Multiple filters may be applied at a time to narrow down a case list. The “Search Results” pane will automatically update a list of cases as filters are added.

The screenshot shows the MPOG Case Viewer interface. On the left, there is a sidebar with navigation options: Find a Case (Fast Case Lookup), Chart, Record Search, Administrative, H&P, Outcomes, Labs, Table View, and Preferences. The main area is titled "Find a Specific Case" and includes a search input field for patient ID / case ID / MRN. Below this, there are sections for "Browse for Cases" and "Filter Shortcuts". The "Browse for Cases" section lists various filters, with "Primary Surgical Service" highlighted in a red box. A dropdown menu is open for this filter, showing a list of medical specialties, with "General" highlighted in a red box. The "Filter Shortcuts" section includes Case Type (CABG, Knee Arthroplasty, Labor Epidural) and Case Time (October 2019, September 2019, August 2019, Year to Date, Recently Opened, Today, Yesterday, This Week, Last Week, October 2019, September 2019). On the right, there is a "Search Results" table with columns for Case Time, Service, Patient Age, Procedure, and Institution. The table is currently empty, displaying the message "No results found. Please try another search."

To search cases by filter, click the filter name and supply any necessary information.

For example, to find a General Surgery case from September, click “Primary Surgical Service” and choose General from the dropdown box.



MPOG Case Viewer (No case loaded) x +

**Find a Case**  
Fast Case Lookup

**Find a Specific Case**  
Enter patient ID / case ID / MRN

**Browse for Cases**  
Find cases by using one or more of the filters below.

- CPT Code
- Institution
- MPOG Concept ID
- Opened Date Range
- Primary Surgical Service
- Procedure Text
- Registry Data
- Surgery Date Range

**Filter Shortcuts**

Case Type

- CABG
- Knee Arthroplasty
- Labor Epidural

Case Time

- October 2019
- September 2019
- August 2019
- Year to Date

Recently Opened

- Today
- Yesterday
- This Week
- Last Week
- October 2019
- September 2019

Table View  
Preferences

Next, filter down to September cases by clicking “Surgery Date Range” and specifying 9/1/2019 to 9/30/2019.

Click ‘Enter’ to apply the filter

After these filters are applied, you can see General Surgery cases in September in the Search Results Pane to the Right

**Search Results**

Case Time	Service	Patient Age	Procedure	Institution
09-23-2019 09:15	General			
09-26-2019 14:30	General			
09-25-2019 08:45	General			
09-26-2019 09:45	General			
09-24-2019 08:15	General			
09-24-2019 16:42	General			
09-25-2019 09:20	General			
09-25-2019 15:00	General			
09-25-2019 11:00	General			
09-25-2019 09:00	General			
09-26-2019 10:45	General			
09-26-2019 08:15	General			
09-26-2019 07:15	General			
09-27-2019 15:45	General			
09-27-2019 08:00	General			
09-23-2019 07:45	General			
09-18-2019 18:05	General			
09-19-2019 12:25	General			
09-26-2019 13:15	General			
09-25-2019 07:15	General			
09-26-2019 08:45	General			
09-23-2019 14:10	General			
09-24-2019 12:45	General			
09-28-2019 09:15	General			
09-26-2019 11:40	General			
09-23-2019 12:45	General			
09-24-2019 09:45	General			
09-23-2019 09:15	General			
09-26-2019 10:45	General			
09-19-2019 15:15	General			
09-25-2019 07:15	General			
09-26-2019 17:05	General			
09-26-2019 08:30	General			
09-26-2019 11:05	General			
09-27-2019 17:00	General			
09-26-2019 21:30	General			
09-24-2019 20:40	General			
09-24-2019 15:15	General			
09-25-2019 07:15	General			
09-25-2019 16:30	General			
09-22-2019 13:30	General			
09-27-2019 09:15	General			
09-27-2019 09:50	General			
09-25-2019 08:45	General			

(No case loaded) x +

**Fast Case Lookup**

**Find a Specific Case**  
 Enter patient ID / case ID / MRN

**Case Search**

Chart

Record Search

Administrative

H & P

Outcomes

Labs

**Browse for Cases**  
 Find cases by using one or more of the filters below.

Age

CPT Code

MPOG Concept ID  x

Warning: Without other filters, searching by MPOG Concept ID can be slow and may time out. Consider adding date range filter.

Opened Date Range

Primary Surgical Service

Procedure Text

Registry Data

Surgery Date Range

**Filter Shortcuts**

Case Type	Patient Age	Date of Surgery	Recently Opened
CABG	Pediatric	October 2020	Today
Knee Arthroplasty	Adult	September 2020	Yesterday
Labor Epidural		August 2020	This Week
		Year to Date	Last Week
			October 2020
			September 2020

**Enter Case List**  
 Paste a list of MPOG Case IDs in the box below, each case on a separate line.

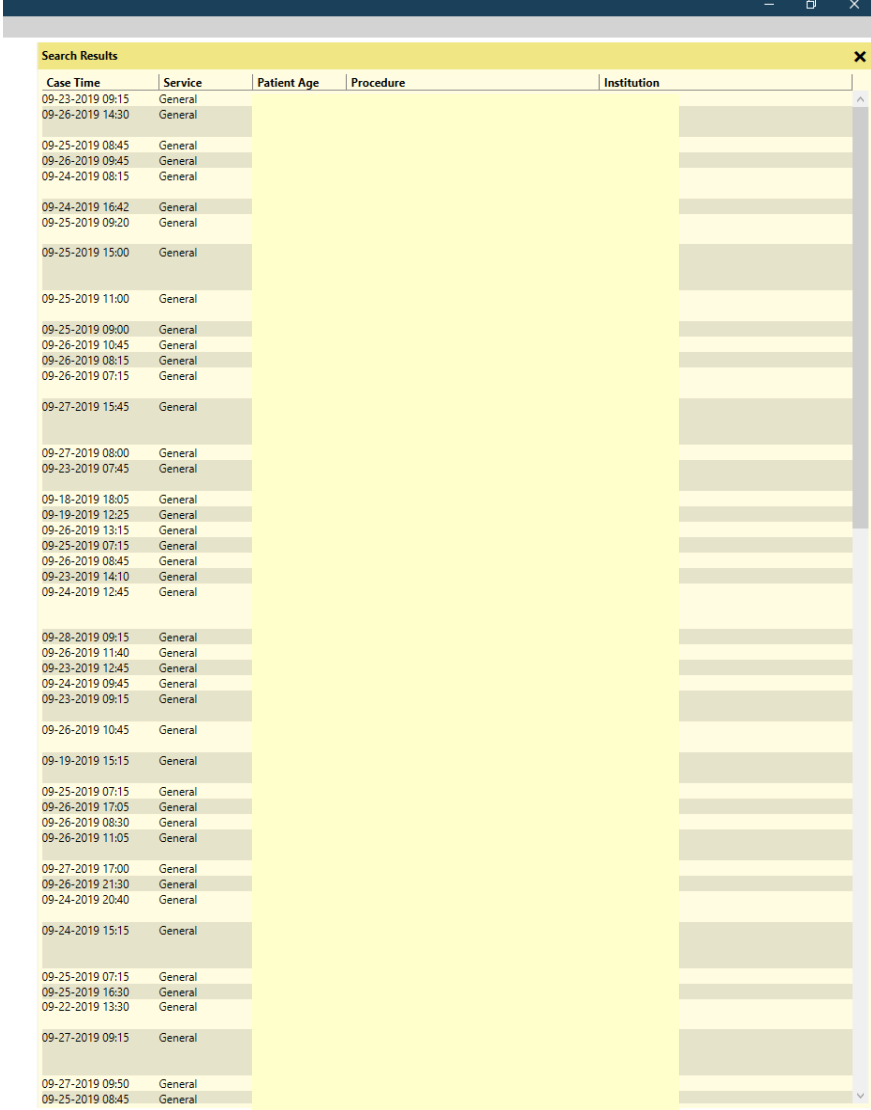
Import

“MPOG Concept ID” filter allows for finding cases based on one or multiple concepts being present on the case

To search by multiple concept IDs, use a comma between IDs

# Opening a Case

- Double click on a case in the Search Results pane to open. Case viewer will open to the “Chart” Tab. PHI has been removed for the purposes of this guide.



Case Time	Service	Patient Age	Procedure	Institution
09-23-2019 09:15	General			
09-26-2019 14:30	General			
09-25-2019 08:45	General			
09-26-2019 09:45	General			
09-24-2019 08:15	General			
09-24-2019 16:42	General			
09-25-2019 09:20	General			
09-25-2019 15:00	General			
09-25-2019 11:00	General			
09-25-2019 09:00	General			
09-26-2019 10:45	General			
09-26-2019 08:15	General			
09-26-2019 07:15	General			
09-27-2019 15:45	General			
09-27-2019 08:00	General			
09-23-2019 07:45	General			
09-18-2019 18:05	General			
09-19-2019 12:25	General			
09-26-2019 13:15	General			
09-25-2019 07:15	General			
09-26-2019 08:45	General			
09-23-2019 14:10	General			
09-24-2019 12:45	General			
09-28-2019 09:15	General			
09-26-2019 11:40	General			
09-23-2019 12:45	General			
09-24-2019 09:45	General			
09-23-2019 09:15	General			
09-26-2019 10:45	General			
09-19-2019 15:15	General			
09-25-2019 07:15	General			
09-26-2019 17:05	General			
09-26-2019 08:30	General			
09-26-2019 11:05	General			
09-27-2019 17:00	General			
09-26-2019 21:30	General			
09-24-2019 20:40	General			
09-24-2019 15:15	General			
09-25-2019 07:15	General			
09-25-2019 16:30	General			
09-22-2019 13:30	General			
09-27-2019 09:15	General			
09-27-2019 09:50	General			
09-25-2019 08:45	General			

# Chart View

MPOG Case Viewer

Fast Case Lookup

Case ID Copy

Institution

Time 01-01-2020 09:42 - 01-01-2020 11:58 (02 hours, 15 min)

Procedure

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Collapse All Expand All

Main Chart [-]  Show Reference Line

- BP Sys Cuff
- BP Dias Cuff
- SpO2 Pulse Rate
- End Tidal CO2 (mmHg)

Times [-]

- Preop
- Anesthesia
- In Room
- Surgery

All Staff [-]

- Staff Level - Anesthesia Attending #1
- Staff Level - Anesthesia CRNA #1

Bolus Meds [-]

- DIPHENHYDRAMINE
- FENTANYL
- ONDANSETRON
- PROPOFOL
- ROCURONIUM
- SUGAMMADEX

Bolus Inputs [-]

- LACTATED RINGERS

Physio [-]

- Temp 1 - Unspecified Site
- SpO2 Pulse Rate
- EKG Pulse Rate

To return to the case list generated in the previous step, click "Case Search" in the upper left hand corner at any time while the case is open

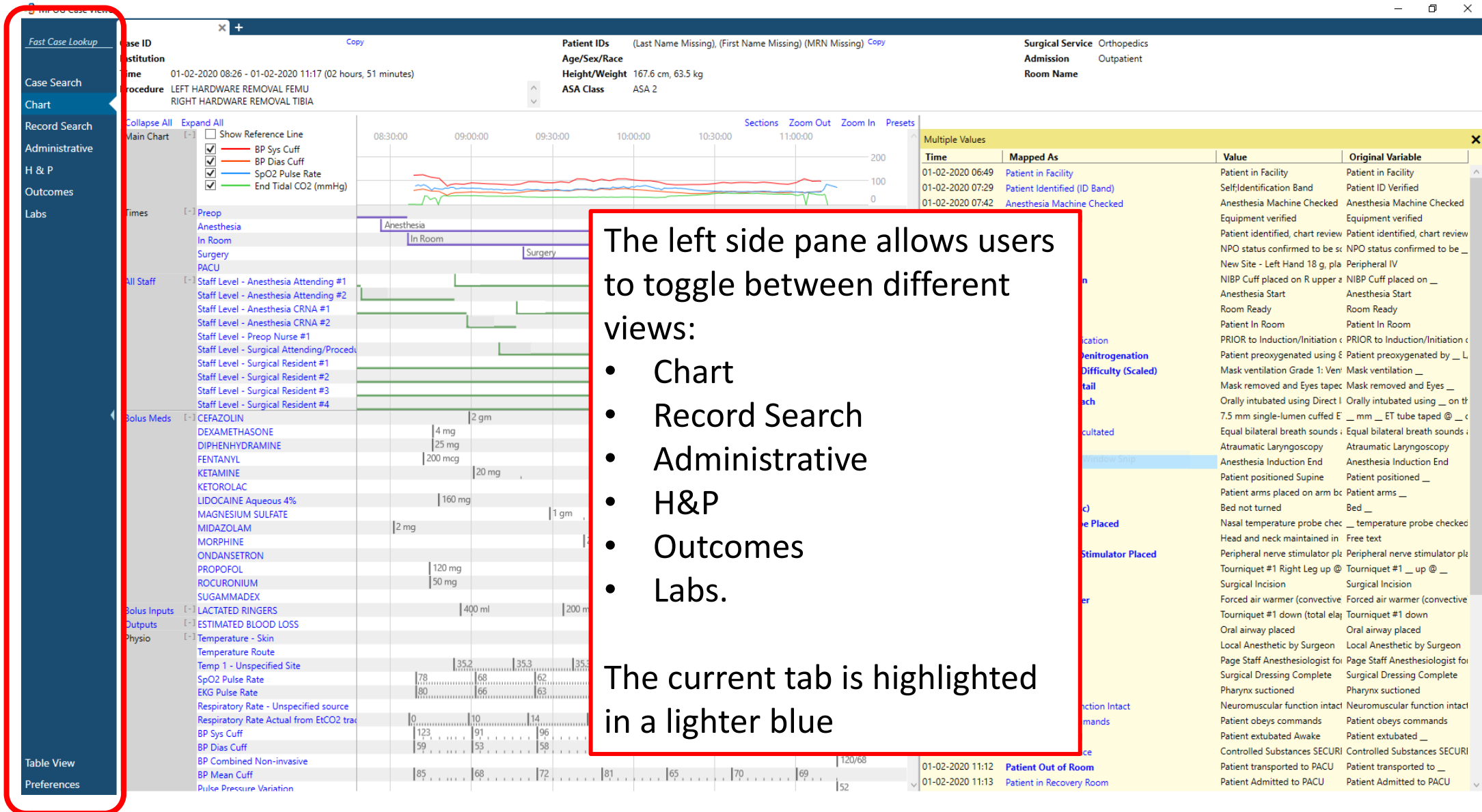
The white header at the top of the screen provides basic demographic information:

- MPOG Case ID
- Institution
- Procedure
- Patient Name and MRN
- Patient demographics (Age/Sex/Race)
- Height/Weight
- ASA Class
- Surgical Service
- Admission Status
- Room Name
- Date of Death (if known)

# Chart View

The MRN and MPOG Case ID can be copied using the 'Copy' button

Case ID	Copy	Patient IDs	(Last Name Missing), (First Name Missing) (MRN Missing)	Copy
1234567890		A 12345	01 56789	



The left side pane allows users to toggle between different views:

- Chart
- Record Search
- Administrative
- H&P
- Outcomes
- Labs.

The current tab is highlighted in a lighter blue

Record Search Collapse All Expa  
Main Chart [-]  
Administrative  
H & P  
Outcomes  
Labs Times [-]  
All Staff [-]  
Bolus Meds [-]  
Bolus Inputs [-]  
Outputs [-]  
Physio [-]

A red square highlights a small white left-pointing arrow on the right edge of the blue sidebar, indicating the collapse button.

- For viewing on smaller laptop screens, the blue panel can be collapsed to save space by using the small arrow



MPOG Case Viewer

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Table View

Preferences

Case ID

Institution

Time 01-02-2020 08:26 - 01-02-2020 11:17 (02 hours, 51 minutes)

Procedure LEFT HARDWARE REMOVAL FEMU  
RIGHT HARDWARE REMOVAL TIBIA

Patient IDs (Last Name Missing), (First Name Missing) (MRN Missing) Copy

Age/Sex/Race

Height/Weight 167.6 cm, 63.5 kg

ASA Class ASA 2

Surgical Service Orthopedics

Admission Outpatient

Room Name

Collapse All Expand All

Main Chart

BP Sys Cuff

BP Dias Cuff

SpO2 Pulse Rate

End Tidal CO2 (mmHg)

08:30:00 09:00:00 09:30:00 10:00:00 10:30:00 11:00:00

Sections Zoom Out Zoom In Presets

Preop

Anesthesia

In Room

Surgery

PACU

All Staff

Staff Level - Anesthesia Attending #1

Staff Level - Anesthesia Attending #2

Staff Level - Anesthesia CRNA #1

Staff Level - Anesthesia CRNA #2

Staff Level - Preop Nurse #1

Staff Level - Surgical Attending/Proce

Staff Level - Surgical Resident #1

Staff Level - Surgical Resident #2

Staff Level - Surgical Resident #3

Staff Level - Surgical Resident #4

Bolus Meds

CEFAZOLIN

DEXAMETHASONE

DIPHENHYDRAMINE

FENTANYL

KETAMINE

KETOROLAC

LIDOCAINE Aqueous 4%

MAGNESIUM SULFATE

MIDAZOLAM

MORPHINE

ONDANSETRON

PROPOFOL

ROCURONIUM

SUGAMMADEX

Bolus Inputs

LACTATED RINGERS

Outputs

ESTIMATED BLOOD LOSS

Physio

Temperature - Skin

Temperature Route

Temp 1 - Unspecified Site

SpO2 Pulse Rate

EKG Pulse Rate

Respiratory Rate - Unspecified source

Respiratory Rate Actual from EtCO2 tra

BP Sys Cuff

BP Dias Cuff

BP Combined Non-invasive

BP Mean Cuff

Pulse Pressure Variation

Multiple Values

Time	Mapped As	Value	Original Variable
01-02-2020 06:49	Patient in Facility	Patient in Facility	Patient in Variable
01-02-2020 07:29	Patient Identified (ID Band)	Self-identification Band	Patient ID Verified
01-02-2020 07:42	Anesthesia Machine Checked	Anesthesia Machine Checked	Anesthesia Machine Checked
01-02-2020 07:42	Equipment Verified	Equipment verified	Equipment verified
01-02-2020 07:53	Patient Identified	Patient identified, chart review	Patient identified, chart review
01-02-2020 07:53	NPO Verification	NPO status confirmed to be sc	NPO status confirmed to be _
01-02-2020 07:54	IV Access (Misc)	New Site - Left Hand 18 g, pla	Peripheral IV
01-02-2020 08:09	NIBP Cuff Location	NIBP Cuff placed on R upper a	NIBP Cuff placed on _
01-02-2020 08:26	Anesthesia Start	Anesthesia Start	Anesthesia Start
01-02-2020 08:31	Room Ready	Room Ready	Room Ready
01-02-2020 08:36	Patient in Room	Patient In Room	Patient In Room
01-02-2020 08:39	Pre-Induction Verification	PRIOR to Induction/Initiation c	PRIOR to Induction/Initiation c
01-02-2020 08:41	Preoxygenation/Denitrogenation	Patient preoxygenated using E	Patient preoxygenated by _ L
01-02-2020 08:44	Mask Ventilation Difficulty (Scaled)	Mask ventilation Grade 1: Ven	Mask ventilation _
01-02-2020 08:44	Eye Protection Detail	Mask removed and Eyes taped	Mask removed and Eyes _
01-02-2020 08:47	Intubation Approach	Orally intubated using Direct I	Orally intubated using _ on th
01-02-2020 08:47	Intubation Tube	7.5 mm single-lumen cuffed E	_ mm _ ET tube taped @ _ c
01-02-2020 08:47	Breath Sounds Auscultated	Equal bilateral breath sounds :	Equal bilateral breath sounds :
01-02-2020 08:47	Atraumatic	Atraumatic Laryngoscopy	Atraumatic Laryngoscopy
01-02-2020 08:47	Induction End	Anesthesia Induction End	Anesthesia Induction End
01-02-2020 08:52	Patient Position	Patient positioned Supine	Patient positioned _
01-02-2020 08:52	Arm Position	Patient arms placed on arm bc	Patient arms _
01-02-2020 08:52	Table Turned (Misc)	Bed not turned	Bed _
01-02-2020 08:52	Temperature Probe Placed	Nasal temperature probe chec	_ temperature probe checked
01-02-2020 08:53	Free Text Note	Head and neck maintained in	Free text
01-02-2020 08:55	Peripheral Nerve Stimulator Placed	Peripheral nerve stimulator pl	Peripheral nerve stimulator pl
01-02-2020 09:18	Tourniquet Up	Tourniquet #1 Right Leg up @	Tourniquet #1 _ up @ _
01-02-2020 09:18	Procedure Start	Surgical Incision	Surgical Incision
01-02-2020 09:28	Convective Warmer	Forced air warmer (convective	Forced air warmer (convective
01-02-2020 10:11	Tourniquet Down	Tourniquet #1 down (total elay	Tourniquet #1 down
01-02-2020 10:30	Oral Airway Placed	Oral airway placed	Oral airway placed
01-02-2020 10:32	Local Infiltration	Local Anesthetic by Surgeon	Local Anesthetic by Surgeon
01-02-2020 11:00	Emergence (Misc)	Page Staff Anesthesiologist fo	Page Staff Anesthesiologist fo
01-02-2020 11:00	Procedure End	Surgical Dressing Complete	Surgical Dressing Complete
01-02-2020 11:06	Pharynx Suctioned	Pharynx suctioned	Pharynx suctioned
01-02-2020 11:10	Neuromuscular Function Intact	Neuromuscular function intact	Neuromuscular function intact
01-02-2020 11:10	Patient Obeys Commands	Patient obeys commands	Patient obeys commands
01-02-2020 11:10	Patient Extubated	Patient extubated Awake	Patient extubated _
01-02-2020 11:12	Controlled Substance	Controlled Substances SECURI	Controlled Substances SECURI
01-02-2020 11:12	Patient Out of Room	Patient transported to PACU	Patient transported to _
01-02-2020 11:13	Patient in Recovery Room	Patient Admitted to PACU	Patient Admitted to PACU

The tab across the top shows which case you have open. Users may open up to 4 cases at a time. The patient's age, gender, and institution appear in the tab. For the purposes of this training guide, PHI has been hidden, however

Fast Case Lookup Case ID Institution Time Procedure Patient IDs Age/Sex/Race Height/Weight ASA Class Surgical Service Admission Room Name

01-02-2020 08:26 - 01-02-2020 11:17 (02 hours, 51 minutes) LEFT HARDWARE REMOVAL FEMU RIGHT HARDWARE REMOVAL TIBIA (Last Name Missing), (First Name Missing) (MRN Missing) Copy 167.6 cm, 63.5 kg ASA 2 Orthopedics Outpatient

Chart

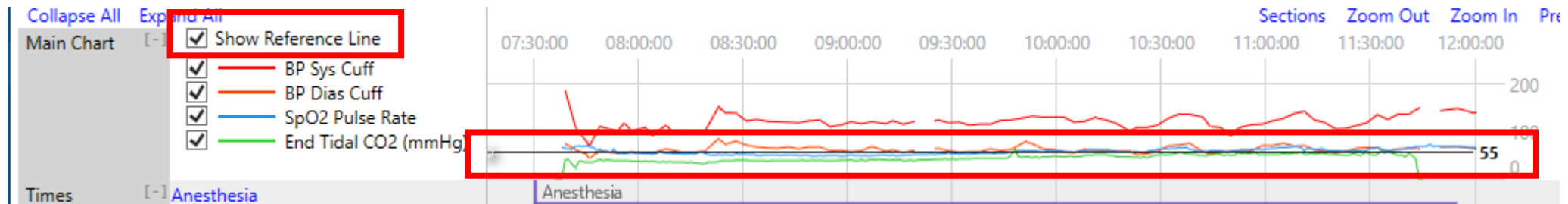
Multiple Values

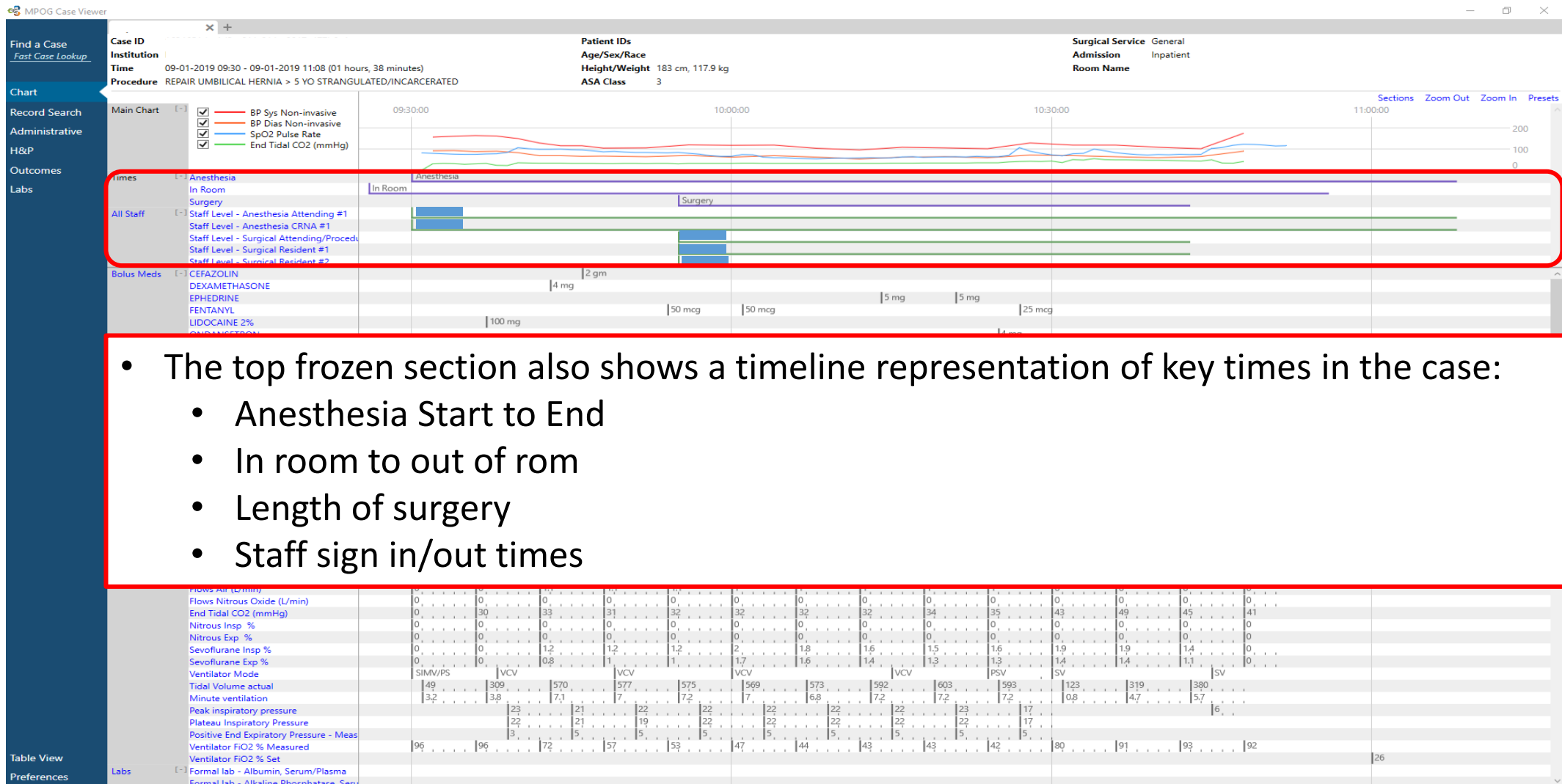
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01-02-2020 11:10	Patient Obeys Commands	Patient obeys commands	Patient obeys commands
01-02-2020 11:10	Patient Extubated	Patient extubated Awake	Patient extubated _
01-02-2020 11:12	Controlled Substance	Controlled Substances SECURI	Controlled Substances SECURI
01-02-2020 11:12	Patient Out of Room	Patient transported to PACU	Patient transported to _
01-02-2020 11:13	Patient in Recovery Room	Patient Admitted to PACU	Patient Admitted to PACU

- The top of "Chart" view shows physiologic data in a graphical format
- A key is available to the left
- This section is "frozen" meaning that as you scroll to see more data, the graph will remain at the top
- Use the [-] buttons to expand and collapse sections as needed

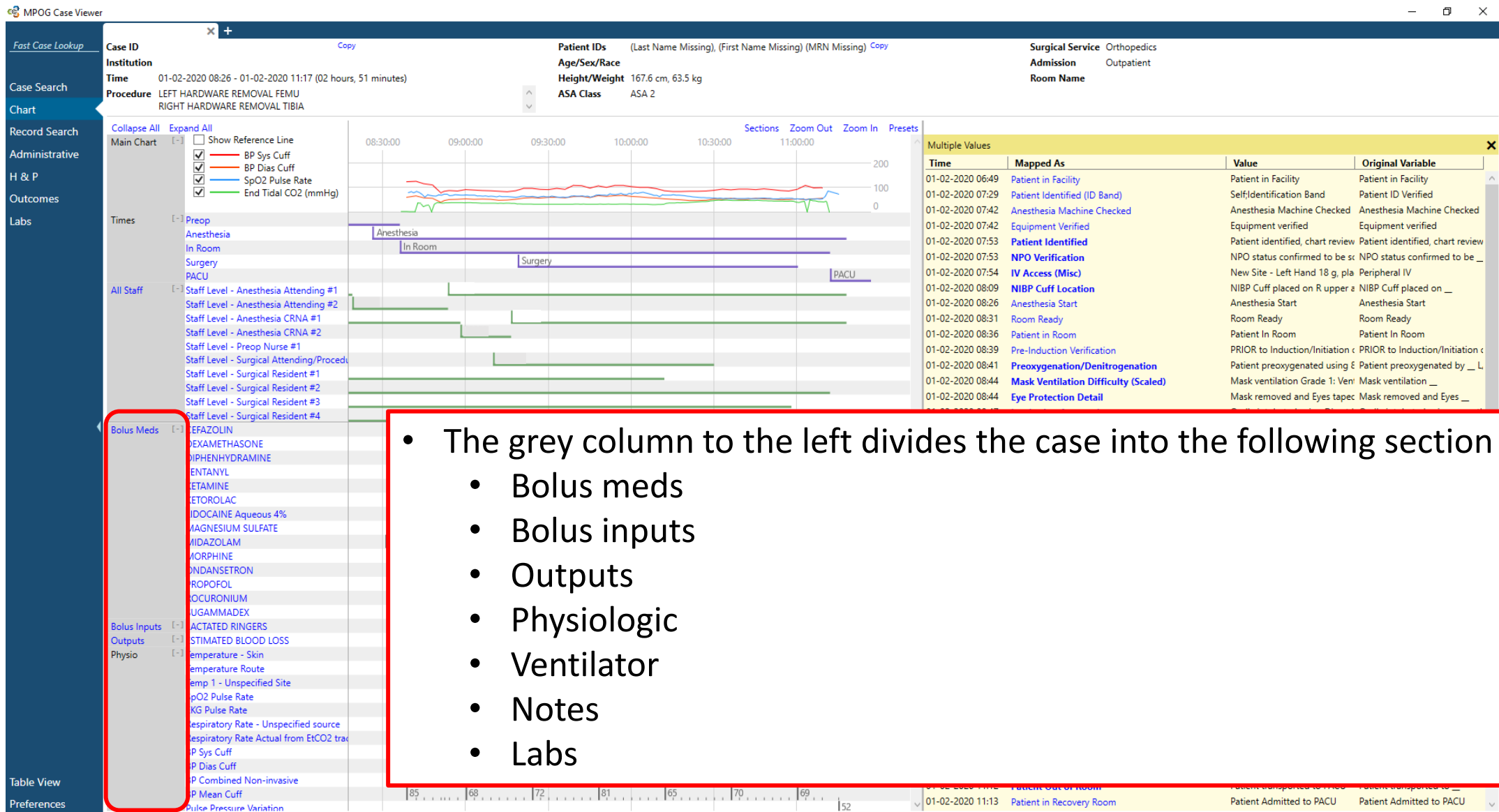


- Choosing “Show Reference Line” adds an adjustable horizontal line across the grid
- This can be adjusted by clicking moving up or down

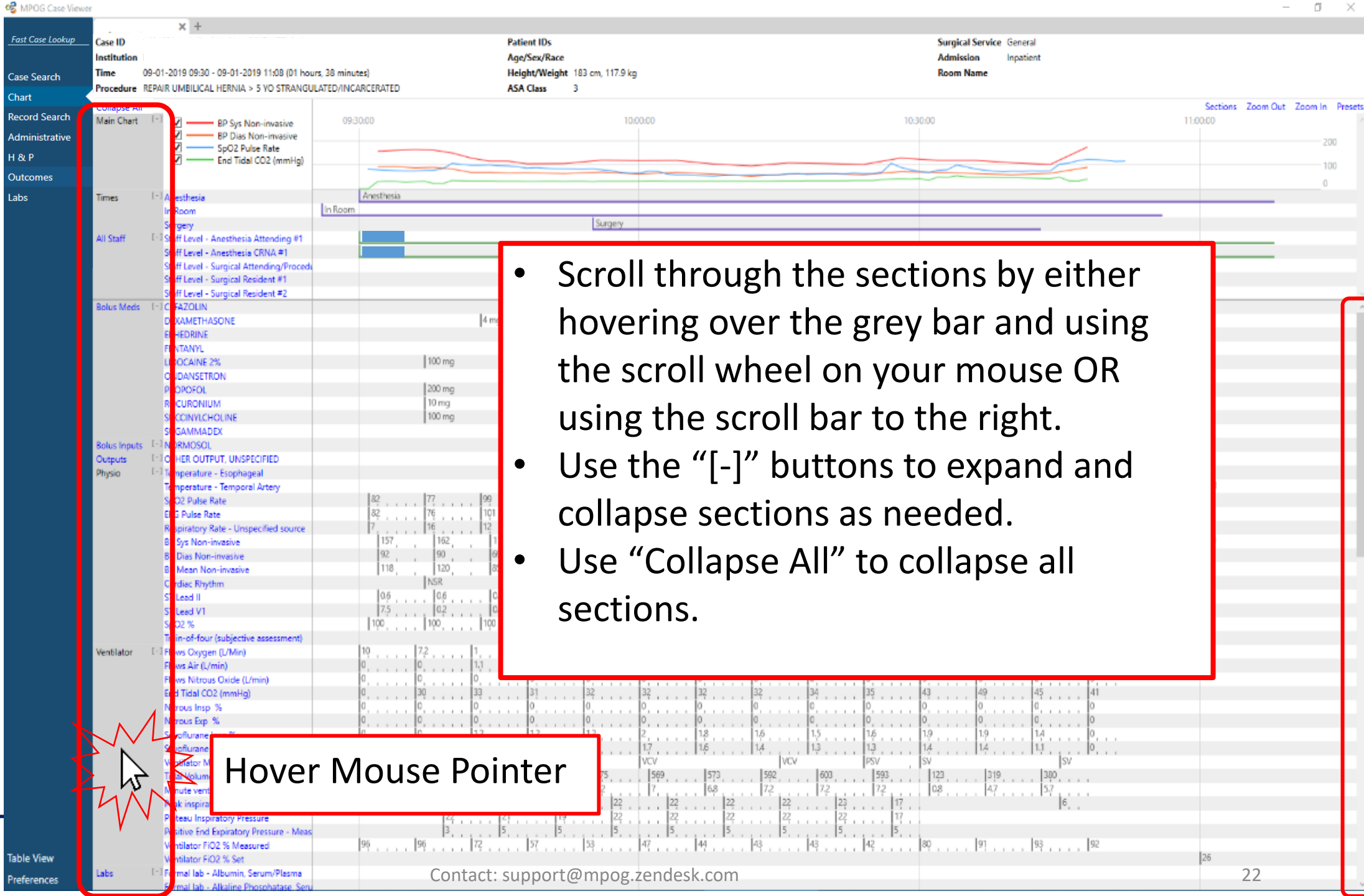




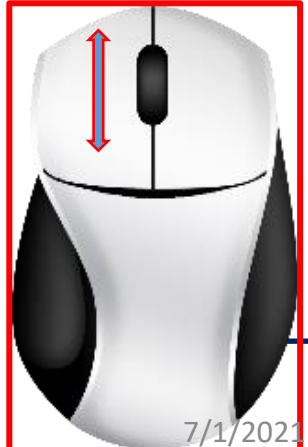
- The top frozen section also shows a timeline representation of key times in the case:
  - Anesthesia Start to End
  - In room to out of rom
  - Length of surgery
  - Staff sign in/out times



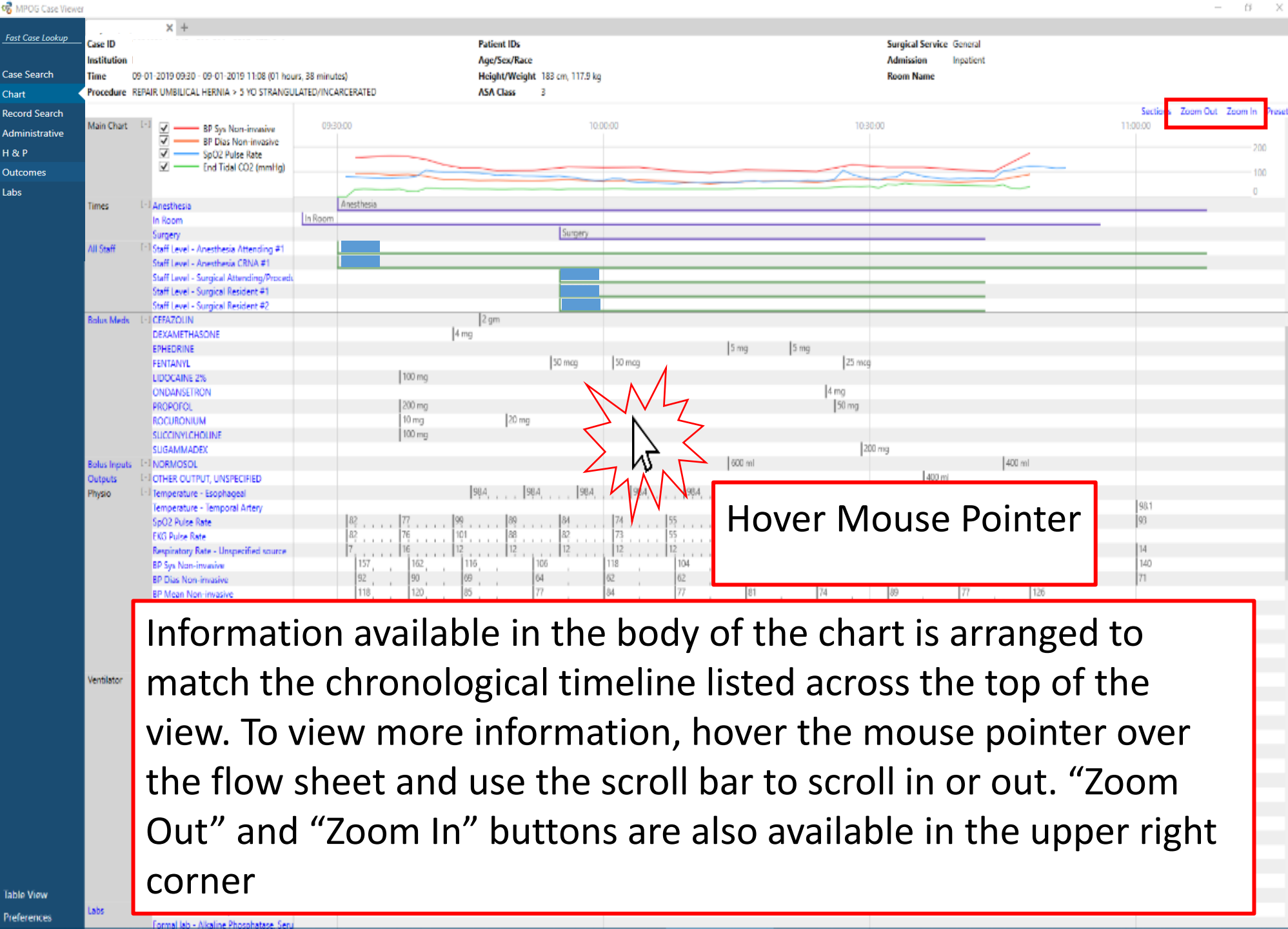
- The grey column to the left divides the case into the following section
  - Bolus meds
  - Bolus inputs
  - Outputs
  - Physiologic
  - Ventilator
  - Notes
  - Labs



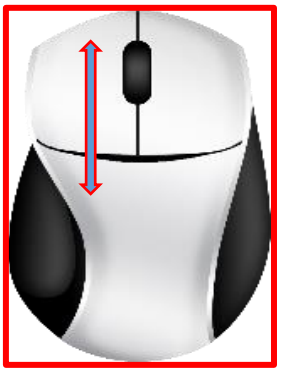
- Scroll through the sections by either hovering over the grey bar and using the scroll wheel on your mouse OR using the scroll bar to the right.
- Use the “[-]” buttons to expand and collapse sections as needed.
- Use “Collapse All” to collapse all sections.



Hover Mouse Pointer

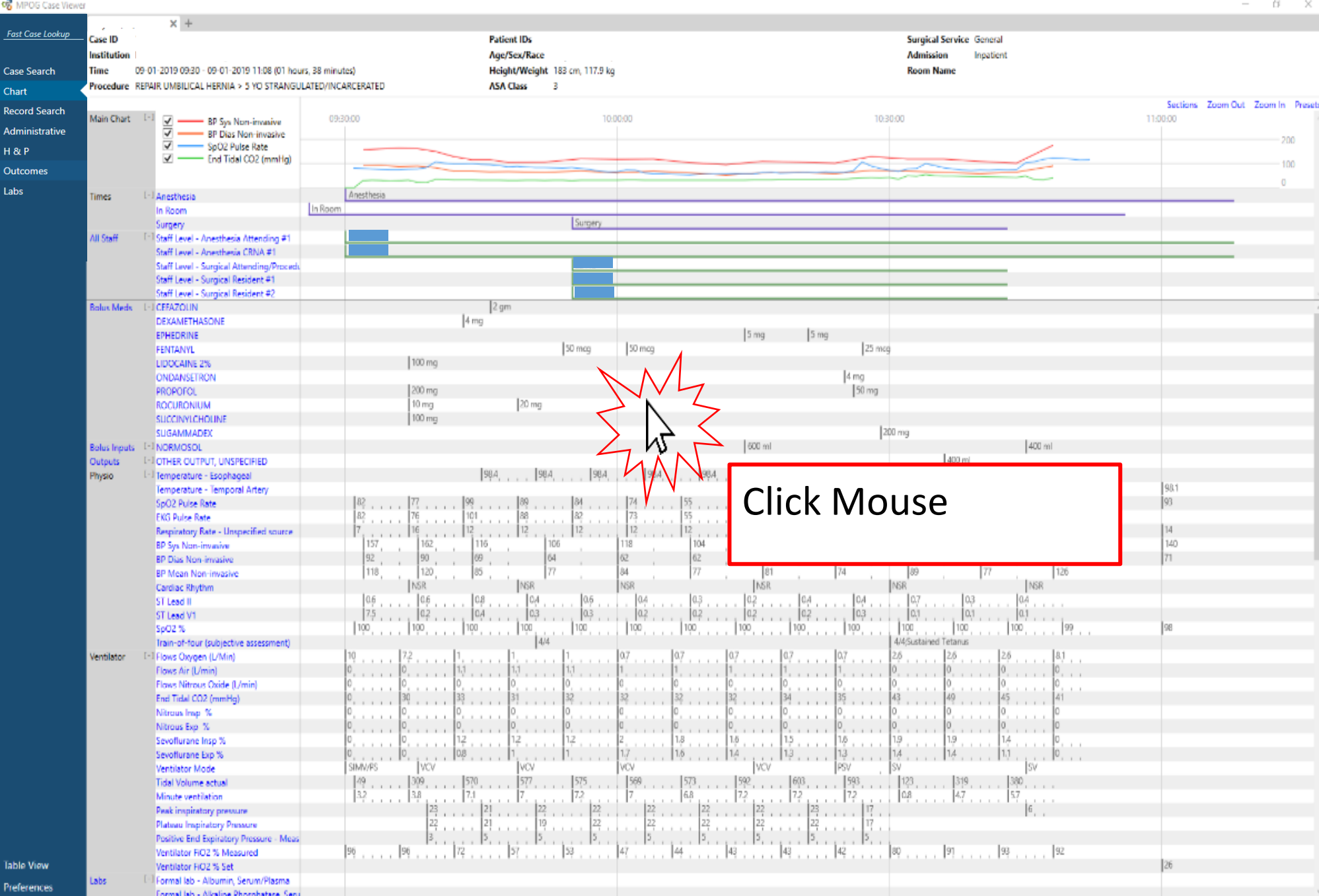


Use scroll wheel to zoom in and out



Hover Mouse Pointer

Information available in the body of the chart is arranged to match the chronological timeline listed across the top of the view. To view more information, hover the mouse pointer over the flow sheet and use the scroll bar to scroll in or out. “Zoom Out” and “Zoom In” buttons are also available in the upper right corner



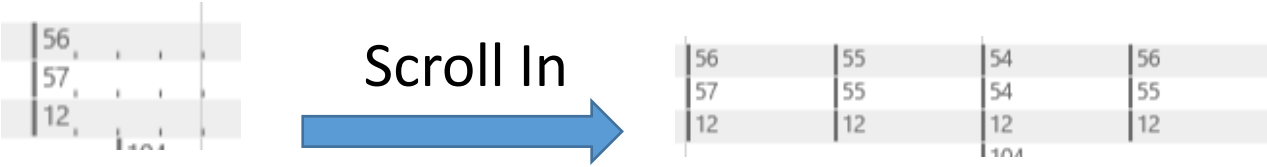
Click and drag mouse left or right

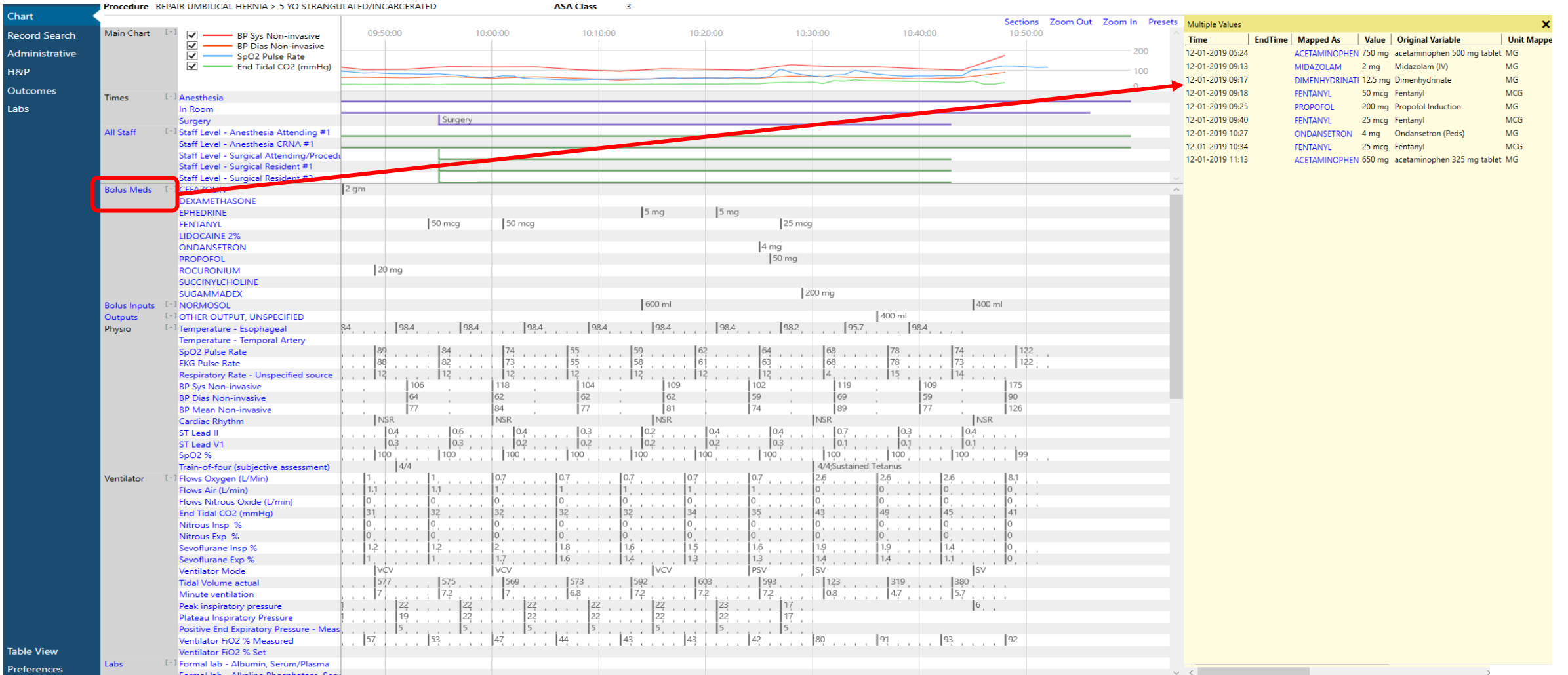
Click Mouse

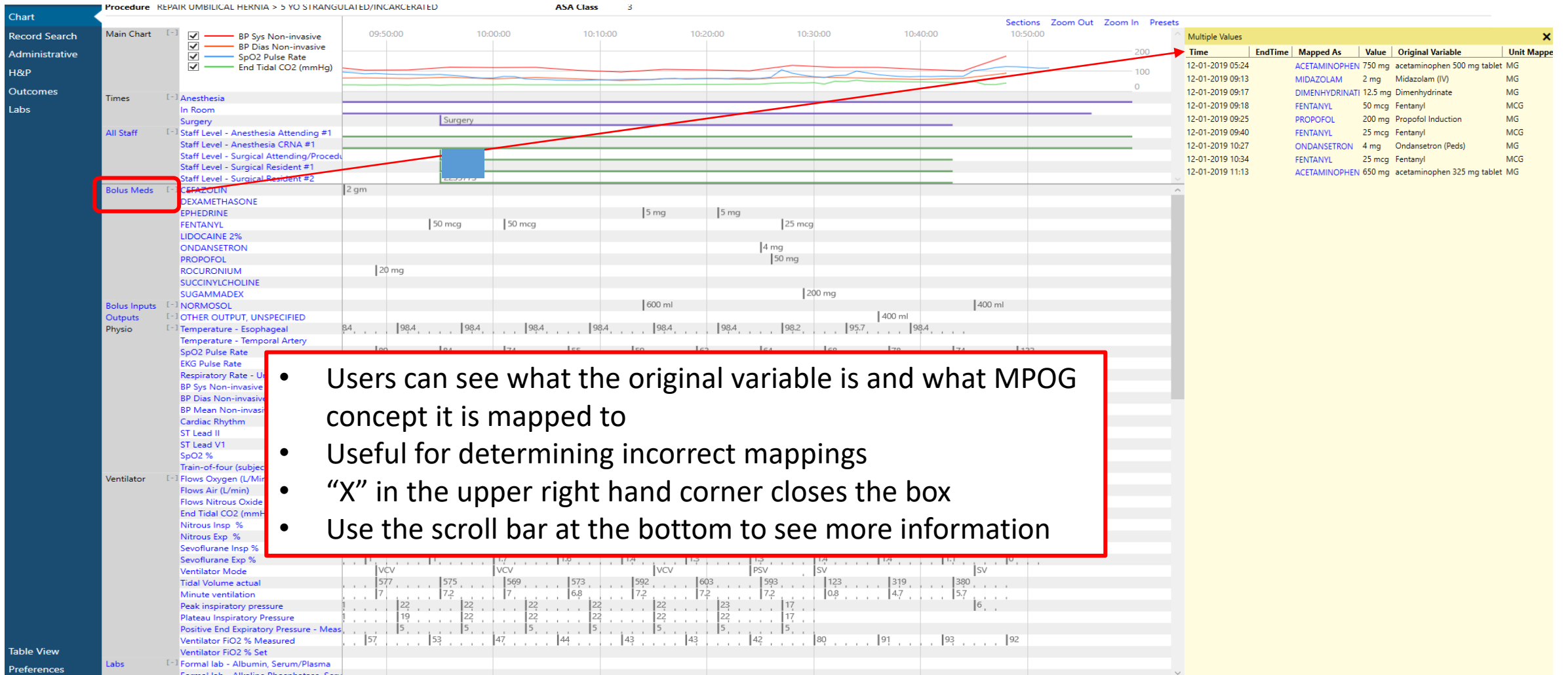




Tick marks on the flowsheet let users know that more information is available if you scroll in.







- Users can see what the original variable is and what MPOG concept it is mapped to
- Useful for determining incorrect mappings
- “X” in the upper right hand corner closes the box
- Use the scroll bar at the bottom to see more information

- Clicking a value brings up more information
- Allows for further drill down of the information

Medication

[Back](#)

Type	LIDOCAINE 2%
Value	100 mg
Time	09-01-2019 09:37:00
End Time	

Variable Mappings	<b>Med Type</b>	LIDOCAINE 2% 10250	Lidocaine 2% 20 mg/mL ERX-112130
	<b>Unit</b>	MG 1005	MG MG
	<b>Route</b>	IV 2001	INTRAVENOUS INTRAVENOUS

- Data in this view can also be sorted by clicking on the column header

Click header

Time	Mapped As	Value	Original Variable
12-01-2019 06:10	BP Sys Non-invasive	114	2100310150
12-01-2019 08:08	BP Sys Non-invasive	109	7
12-01-2019 08:12	BP Sys Non-invasive	109	7
12-01-2019 08:15	BP Sys Non-invasive	118	7
12-01-2019 08:18	BP Sys Non-invasive	84	7
12-01-2019 08:21	BP Sys Non-invasive	88	7
12-01-2019 08:24	BP Sys Non-invasive	93	7
12-01-2019 08:27	BP Sys Non-invasive	93	7
12-01-2019 08:30	BP Sys Non-invasive	105	7
12-01-2019 08:33	BP Sys Non-invasive	107	7
12-01-2019 08:36	BP Sys Non-invasive	97	7
12-01-2019 08:39	BP Sys Non-invasive	106	7
12-01-2019 08:33	BP Sys Non-invasive	107	7
12-01-2019 08:08	BP Sys Non-invasive	109	7
12-01-2019 08:12	BP Sys Non-invasive	109	7
12-01-2019 06:10	BP Sys Non-invasive	114	2100310150
12-01-2019 08:48	BP Sys Non-invasive	115	7
12-01-2019 09:00	BP Sys Non-invasive	115	7

→

Time	Mapped As	Value	Original Variable
12-01-2019 08:18	BP Sys Non-invasive	84	7
12-01-2019 08:21	BP Sys Non-invasive	88	7
12-01-2019 08:24	BP Sys Non-invasive	93	7
12-01-2019 08:27	BP Sys Non-invasive	93	7
12-01-2019 08:36	BP Sys Non-invasive	97	7
12-01-2019 08:30	BP Sys Non-invasive	105	7
12-01-2019 08:39	BP Sys Non-invasive	106	7
12-01-2019 08:33	BP Sys Non-invasive	107	7
12-01-2019 08:08	BP Sys Non-invasive	109	7
12-01-2019 08:12	BP Sys Non-invasive	109	7
12-01-2019 06:10	BP Sys Non-invasive	114	2100310150
12-01-2019 08:48	BP Sys Non-invasive	115	7
12-01-2019 09:00	BP Sys Non-invasive	115	7

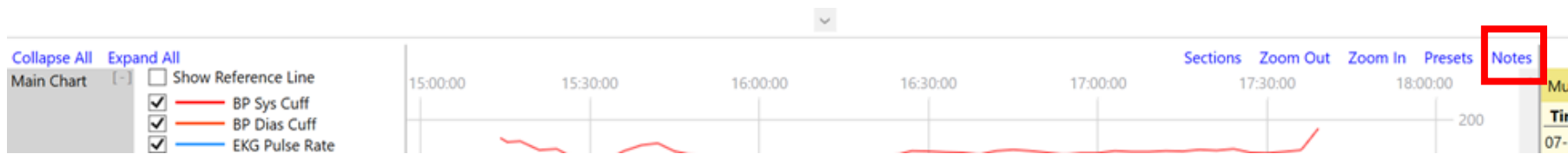
Values sorted in order

- Side box view can be especially helpful when reviewing notes if users wish to see them in chronological order similar to some EHRs
- The note information is also available in the body of the flowsheet

Time	Mapped As	Value	Original Variable
11-29-2019 20:43	Patient in Facility	Patient in Facility	Patient in Facility
12-01-2019 07:28	Fall Risk Score	No Risk Factors Present	Fall Risk Assessment
12-01-2019 08:22	Patient Identified (ID Bar	Self;Identification Band	Patient ID Verified
12-01-2019 08:59	Anesthesia Machine Che	Anesthesia Machine Che	Anesthesia Machine Che
12-01-2019 08:59	Equipment Verified	Equipment verified	Equipment verified
12-01-2019 08:59	Patient Identified	Patient identified, chart	Patient identified, chart
12-01-2019 08:59	NPO Verification	NPO status confirmed to	NPO status confirmed to
12-01-2019 09:00	Patient Identified (ID Bar	Identification Band;Self	Patient ID Verified
12-01-2019 09:05	Room Ready	Room Ready	Room Ready
12-01-2019 09:07	Anesthesia Start	Anesthesia Start	Anesthesia Start
12-01-2019 09:13	Patient in Room	Patient In Room	Patient In Room
12-01-2019 09:15	Patient in Room	Patient In Room	Patient In Room
12-01-2019 09:16	Monitors Specified	Standard monitors place	Standard monitors place
12-01-2019 09:17	Pre-Induction Verification	PRIOR to Induction/Initi	PRIOR to Induction/Initi
12-01-2019 09:24	Pre-Induction Verificatio	PRIOR to Induction/Initi	PRIOR to Induction/Initi
12-01-2019 09:24	Preoxygenation/Denitr	Patient preoxygenated t	Patient preoxygenated t

Notes	[-]	Airway Assessment	Airway Manipulation	Anesthesia End	Anesthesia Machine Checked	Anesthesia Start	Arm Position	Breath Sounds Auscultated	Controlled Substance	Equipment Verified	Eye Protection	Fall Risk Score	Handoff of Care	Head of Bed Elevated	Induction End	Laryngeal Mask Airway Removed	Laryngeal Mask Placement	Mask Ventilation Difficulty (Sealed)
						Anesthesia Start		Equal bilateral breath sounds auscultated							Anesthesia Induction End		LMA Placed: Type: Ambu Aura Straight (single use) ...	Mask ventilation Grade 0: Ventilation by mask not

- The notes pane can be quickly re-opened via the “notes” shortcut in the upper right hand corner



- When applicable, the note entered time is available at the bottom of the yellow pane to compare differences between Observed Time and Entered Time
- Observed Time- The time the event/note happened
- Entered Time- The time the user entered in the information into the EHR

Intraop Note

[Back](#)

Concept	AACD Patient In Facility Date/Time						
Value	Patient in Facility						
Observed Time	11-29-2019 20:43						
Entered Time	12-01-2019 08:07						
Variable Mappings	<table border="1"> <thead> <tr> <th>Note Type</th> <th>Mapped As</th> <th>Original</th> </tr> </thead> <tbody> <tr> <td>AACD Patient In Facility Date/Time 50016</td> <td></td> <td>Patient in Facility 30594</td> </tr> </tbody> </table>	Note Type	Mapped As	Original	AACD Patient In Facility Date/Time 50016		Patient in Facility 30594
Note Type	Mapped As	Original					
AACD Patient In Facility Date/Time 50016		Patient in Facility 30594					



- Bolded “parent” notes have associated “child” detail notes. Clicking on a bolded note will give the additional details as well

05-06-2014 07:31	<b>Mask Ventilation Difficulty (Scaled)</b>	Mask ventilation Grade M
05-06-2014 07:31	<b>Eye Protection Detail</b>	Mask removed and Eye M
05-06-2014 07:32	<b>Intubation Tube</b>	8.0 mm Single-lumen c _
05-06-2014 07:32	Breath Sounds Auscultated	Equal bilateral breath s Eq
05-06-2014 07:32	<b>Intubation View</b>	Grade Grade 1 - Full vie G
05-06-2014 07:32	<b>Intubation Device/Adjunct (Oral)</b>	Orally intubated using   Or
05-06-2014 07:32	Atraumatic	Atraumatic Laryngosco At
05-06-2014 07:45	Induction End	Anesthesia Induction Ei Ar
05-06-2014 07:46	Central Venous IV Access Placed	Adult Central Venous C Ac

Intraop Note

[Back](#)

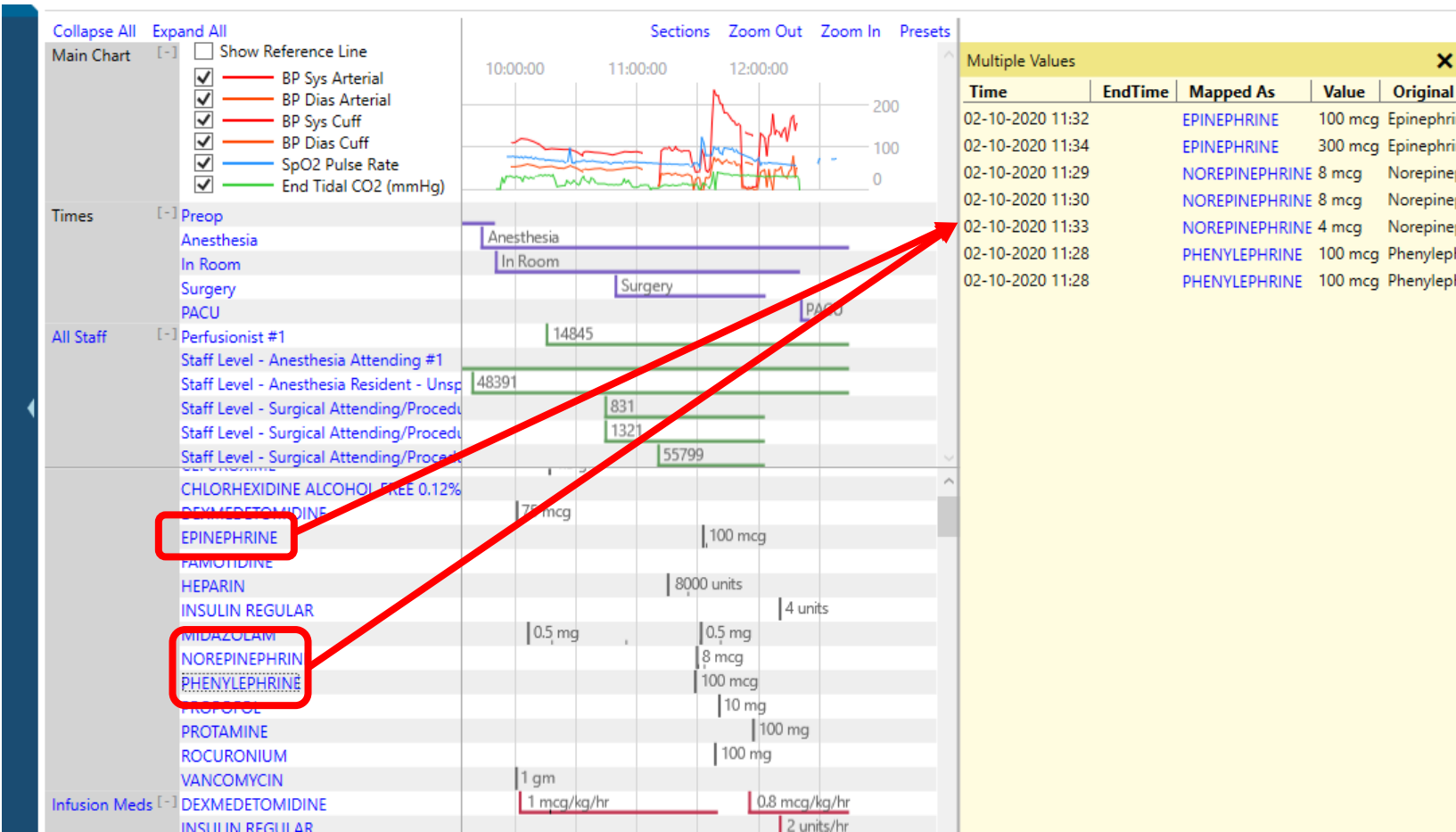
Concept Intubation Tube Note

Value 8.0 mm Single-lumen cuffed ET tube taped @ 22 cm

Observed Time 05-06-2014 07:32

**Details**

Concept	Value
Endotracheal Tube Size	8
Endotracheal Tube Size	8
Endotracheal Tube Type	Single-lumen cuffed
Endotracheal Tube Type	Single-lumen cuffed
Endotracheal Tube Secured Distance	22
Endotracheal Tube Secured Distance	21



- Holding down 'Shift' and selecting multiple headers will open those headers together in the notes pane

- Data can be copied out of the yellow pane and pasted into Excel for purposes of chart review
- Highlight desired rows
- Use Ctrl + C to copy
- Use Ctrl + V to paste in Excel

om In Presets

Multiple Values

Time	Mapped As	Value	Original Variable
02-01-2020 07:39	EKG Pulse Rate	63	FLO-892
02-01-2020 07:40	EKG Pulse Rate	62	FLO-892
02-01-2020 07:41	EKG Pulse Rate	59	FLO-892
02-01-2020 07:42	EKG Pulse Rate	69	FLO-892
02-01-2020 07:43	EKG Pulse Rate	71	FLO-892
02-01-2020 07:44	EKG Pulse Rate	68	FLO-892
02-01-2020 07:45	EKG Pulse Rate	68	FLO-892
02-01-2020 07:46	EKG Pulse Rate	67	FLO-892
02-01-2020 07:47	EKG Pulse Rate	65	FLO-892
02-01-2020 07:48	EKG Pulse Rate	61	FLO-892
02-01-2020 07:49	EKG Pulse Rate	58	FLO-892
02-01-2020 07:50	EKG Pulse Rate	56	FLO-892
02-01-2020 07:51	EKG Pulse Rate	62	FLO-892



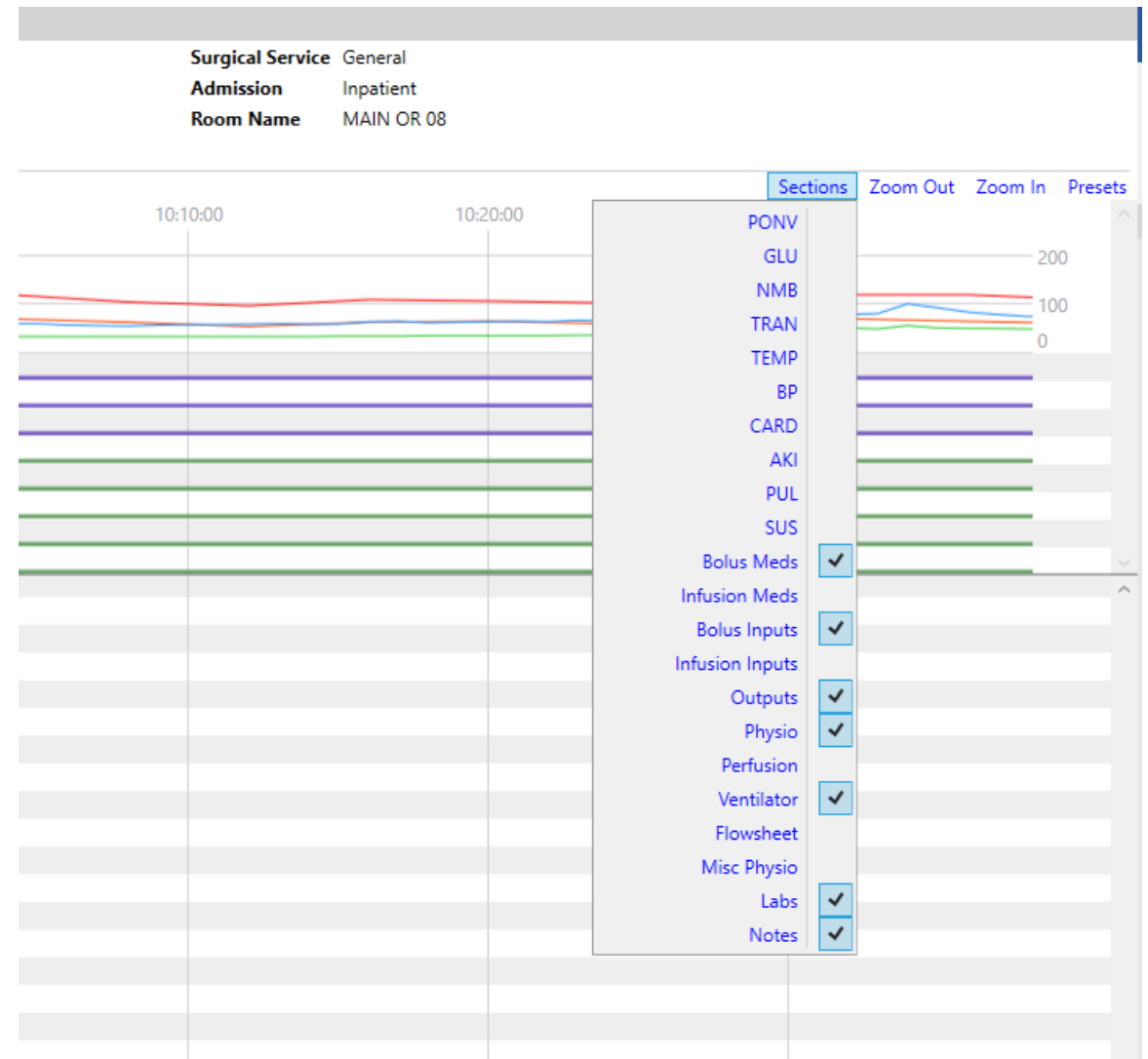
A1

2/1/2020 7:39:00 AM

	A	B	C	D	E	F
1	2/1/2020 7:39	EKG Pulse Rate	63	FLO-892		
2	2/1/2020 7:40	EKG Pulse Rate	62	FLO-892		
3	2/1/2020 7:41	EKG Pulse Rate	59	FLO-892		
4	2/1/2020 7:42	EKG Pulse Rate	69	FLO-892		
5	2/1/2020 7:43	EKG Pulse Rate	71	FLO-892		
6	2/1/2020 7:44	EKG Pulse Rate	68	FLO-892		
7	2/1/2020 7:45	EKG Pulse Rate	68	FLO-892		
8	2/1/2020 7:46	EKG Pulse Rate	67	FLO-892		
9	2/1/2020 7:47	EKG Pulse Rate	65	FLO-892		

# Sections Menu

- Upper right hand corner
- Use to add and remove sections from the body of the chart as needed
- MPOG Measure related sections pull in a summary section of all relevant variables to complete chart review on those measures.



For example, the PONV section summarizes PONV relevant information such as anti-emetics given, anesthetic gases used, and PONV and smoking history and risk factors. While this information is available elsewhere in the chart, this view quickly summarizes and puts the information into one place.

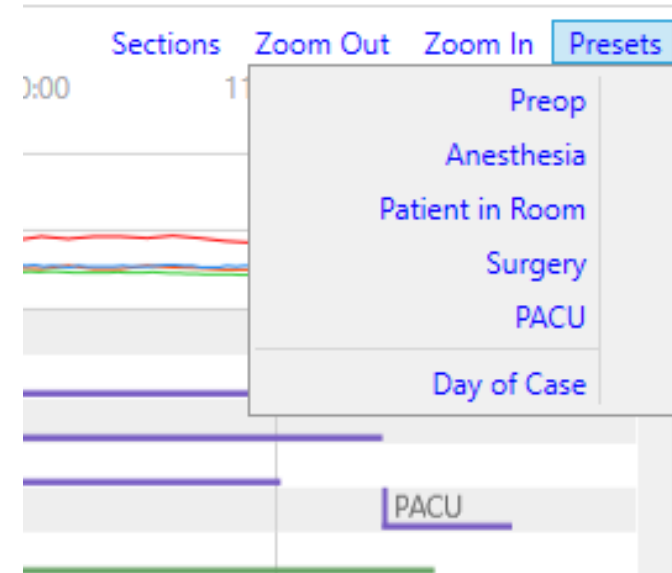
PONV	ONDANSETRON	DEXAMETHASONE	PROPOFOL	FENTANYL	Sevoflurane Exp %	Sevoflurane Insp %	Nitrous Insp %	Nitrous Exp %	History - Social History - Tobacco Detail	General - PONV Risk Factors	General - PONV Risk Total Score
	4 mg		200 mg		0	0	0	0			
		4 mg			0.8	1	1	1			
					1	1.7	1.7	1.6			
					1.5	1.4	1.3	1.2			
					1.3	1.2	1.3	1.4			
					1.2	1.3	1.4	1.4			
					1.2	1.2	1.2	1.2			
					2	2	1.8	1.7			
					1.5	1.5	1.5	1.5			
					0	0	0	0			
					0	0	0	0			

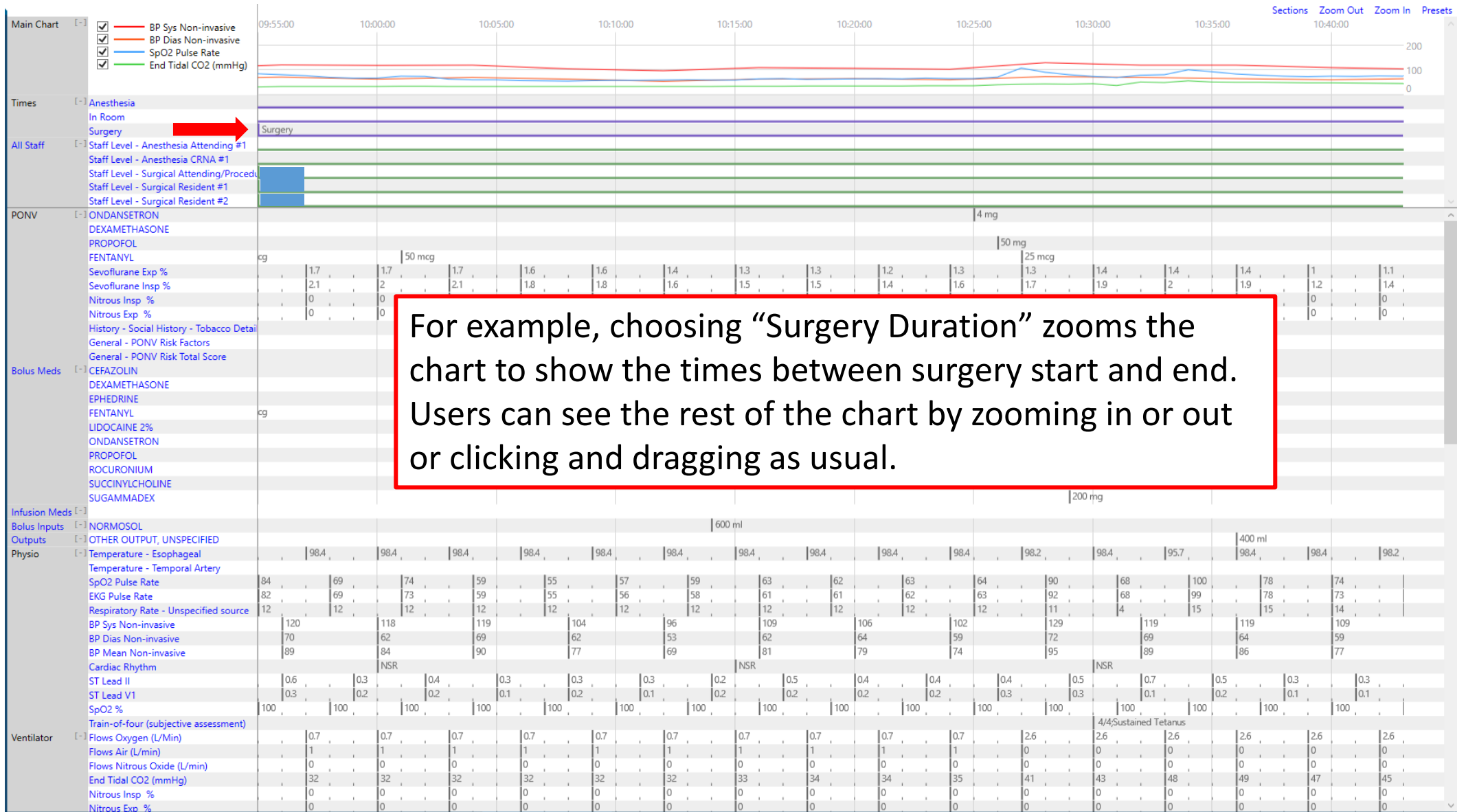


When using an imported case list and the box on the left to move through cases, any ‘Section’ you have open will remain open case to case

# Preset Menu

- The “Preset” menu in the upper right corner shows users preset views of the chart based on their choice.





# Record Search

- Next view available in the left pane
- Search relevant information, including by MPOG Concept ID (exact match required for Concept ID) and original variable ID/name
  - Use “mpog:” in front of a keyword in order to only consider the MPOG concept ID or name
  - Use “aims:” in front of a keyword in order to only consider the original variable ID or name
  - Use “value:” in front of a keyword in order to only consider the value of the record
- Temporarily save that information together in the “Shopping cart” to the right using the “+”
- Remove information from the shopping cart using the “X”

Chart

Record Search  [\(What's This?\)](#) [Jump to surgery](#)

Administrative

H & P

Outcomes

Labs

May 01, 2021 (day of surgery)			
10:20	PROPOFOL	80 mg	+
10:21	PROPOFOL	20 mg	+
10:21	PROPOFOL	20 mg	+
10:23	PROPOFOL	20 mg	+

May 01, 2021 (day of surgery)		
10:20	PROPOFOL	80 mg X



# Record Search

- Search for multiple terms/variables at the same time using the '|' symbol between variables
  - Hint: | is found on the same key as \, use 'Shift' to type |
- Ex: 50002 | 50003 | Propofol | lactated ringers
  - This will pull in everything mapped to those two concept IDs and everything including the words 'propofol' and 'lactated ringers'
- CTRL + Z will undo searches in record search

The screenshot shows a search interface with a sidebar on the left containing menu items: Record Search, Administrative, H & P, Outcomes, and Labs. The main content area displays the search criteria '50002 | 50003 | Propofol | lactated ringers' and a date filter for 'Feb 01, 2020 (day of surgery)'. Below this, a list of search results is shown, each with a time, description, quantity, and a plus sign icon.

Time	Description	Quantity	Action
07:30	Anesthesia Start	Anesthesia Start	+
07:30	Patient in Room	RN Documented In Room	+
07:39	PROPOFOL	150 mg	+
08:45	LACTATED RINGERS	800 ml	+
10:00	LACTATED RINGERS	50 ml	+
11:31	PROPOFOL	50 mg	+

# Record Search

- Ctrl + Click or Shift + Click allows for multi-select and the ability to add more than one row of information into the “Shopping Cart”

Fentanyl

Dec 01, 2019 (day of surgery)

09:18	FENTANYL	50 mcg	+
09:40	FENTANYL	25 mcg	+
10:34	FENTANYL	25 mcg	+

Dec 01, 2019 (day of surgery)

09:18	FENTANYL	50 mcg	×
09:40	FENTANYL	25 mcg	×
10:34	FENTANYL	25 mcg	×

- Utilize Record Search to look at information relevant to a chart evaluation in one location

Chart

Record Search

Administrative

H&P

Outcomes

Labs

PROCEDURE REPAIR OMBILICAL HERNIA 2 TO STRANGULATED/INCARCERATED

anesthesia

Jan 01, 0001 No Valid Date Specified

00:00	Assessment and Plan - Anesthesia Technique	General	+
00:00	Misc Note	Placed by Anesthesia Team	+
00:00	Airway Manipulation	ANESTHESIA AIRWAY	+
00:00	Lines/Tubes/Drains (Misc)	ANESTHESIA PERIPHERAL IV	+

Sep 01, 2019 (day of surgery)

09:03	Assessment and Plan - Anesthesia Consent	Yes	+
09:03	Assessment and Plan - Anesthesia Consent	patient	+
09:29	Patient Identified	Immdt PreOp Assessment	+
09:30	Anesthesia Start	Anesthesia Start	+
09:30	Staff Level - Anesthesia Attending	10082	+
09:30	Staff Level - Anesthesia CRNA	2233144	+
09:37	Induction Start	Anesthesia Induction	+
09:41	Misc Note	Anesthesia Ready	+
10:43	Emergence (Misc)	Anesthesia Emergence	+
11:08	Anesthesia End	Anesthesia Stop	+
15:18	Administrative Note (Misc)	Post Anesthesia Note Sign	+

Sep 01, 2019 (day of surgery)

09:30	Anesthesia Start	Anesthesia Start	✘
09:37	PROPOFOL	200 mg	✘
10:26	PROPOFOL	50 mg	✘
11:08	Anesthesia End	Anesthesia Stop	✘

# Record Search

- If a case is showing multiple search results from before the surgery date, choose “Jump to Surgery” to quickly scroll down to the day of the case

50069 | 50110 | 50211 | 50009 | 50067 [\(What's This?\)](#) [Jump to surgery](#)

Dec 23, 2015 (366 days before surgery)

05:21	Formal lab - Glucose, Serum/Plasma	300	+
08:30	POC - Glucose (Fingerstick)	235	+
12:26	POC - Glucose (Fingerstick)	246	+
17:25	POC - Glucose (Fingerstick)	262	+

Jan 19, 2016 (339 days before surgery)

15:27	POC - Glucose (Fingerstick)	388	+
17:39	POC - Blood gas - Glucose	345	+

Feb 12, 2016 (315 days before surgery)

11:23	POC - Glucose (Fingerstick)	58	+
12:25	Formal lab - Glucose, Serum/Plasma	85	+
12:25	Formal lab - Glucose, Serum/Plasma	85	+

50069 | 50110 | 50211 | 50009 | 50067 [\(What's This?\)](#) [Jump to surgery](#)

Dec 23, 2016 (day of surgery)

21:11	POC - Glucose (Fingerstick)	322	+
22:24	Formal lab - Glucose, Serum/Plasma	289	+
22:24	Formal lab - Glucose, Serum/Plasma	289	+

00:47	POC - Glucose (Fingerstick)	244	+
00:47	POC - Glucose (Fingerstick)	244	+
04:15	POC - Glucose (Fingerstick)	197	+
04:15	POC - Glucose (Fingerstick)	197	+
06:59	POC - Glucose (Fingerstick)	148	+
06:59	POC - Glucose (Fingerstick)	148	+
07:02	Formal lab - Glucose, Serum/Plasma	149	+
07:02	Formal lab - Glucose, Serum/Plasma	149	+
11:35	POC - Glucose (Fingerstick)	143	+
11:35	POC - Glucose (Fingerstick)	143	+
12:57	Anesthesia Start	Anesthesia Start	+
14:35	Anesthesia End	Anesthesia Finish	+
15:41	POC - Glucose (Fingerstick)	176	+
15:41	POC - Glucose (Fingerstick)	176	+

# Record Search

- Users can copy and paste select information from the “Shopping Cart” into an Excel file if needed
- Select the desired rows and use Ctrl + C to copy information
- In an Excel spreadsheet, Paste the information

Dec 01, 2019 (day of surgery)

09:18	FENTANYL	50 mcg	X
09:40	FENTANYL	25 mcg	X
10:34	FENTANYL	25 mcg	X

	A	B	C	D
1	12/1/2019 9:18	FENTANYL	50 mcg	
2	12/1/2019 9:40	FENTANYL	25 mcg	
3	12/1/2019 10:34	FENTANYL	25 mcg	
4				
5				
6				

# Administrative

Chart  
Record Search  
Administrative  
H&P  
Outcomes  
Labs

Table View  
Preferences

**Demographics**

MPOG Patient ID  
Diagnosis Oth abdominal hernia with obstruction, without gangrene

AIMS Patient ID  
AIMS Case ID  
AIMS Encounter ID  
AIMS Admission Type IP  
AIMS Surgical Service Hepatopancreatobiliary  
Scheduled Time 9/1/2019 8:05:00 AM

Date of Birth Missing

**Professional Fee Billing**

Procedure Codes (CPT) Required	Code	Type	Start Time	End Time
	38571	Surgery Professional Fee Data	08-27-2019 00:00	08-27-2019 00:00
	55650	Surgery Professional Fee Data	08-27-2019 00:00	08-27-2019 00:00
	55866	Surgery Professional Fee Data	08-27-2019 00:00	08-27-2019 00:00

**Location Hierarchy**

Locations

**Level 1 -**  
Tag: Facility type - Acute care hospital

**Level 2 -**  
Tag: Facility type - Acute care hospital  
Tag: Other - Mixed use operating room

**Level 3 - A**  
Tag: Facility type - Acute care hospital  
Tag: Other - Mixed use operating room

Combined Tags  
Facility type - Acute care hospital  
Other - Mixed use operating room

**Hospital Discharge Billing**

Diagnosis Codes (ICD-9/10) Required	Code	Type	Start Time	End Time
	C61	Surgery Professional Fee Data	08-27-2019 00:00	08-27-2019 00:00

Diagnosis Codes (ICD-9/10) Required	Code	Type	Start Time	End Time
	C61	Surgery Professional Fee Data	08-27-2019 00:00	08-27-2019 00:00

Procedure Codes (CPT/ICD9/ICD10)	Code	Type	Start Time	End Time
	0D9670Z	Hospital Discharge	08-29-2019 00:00	09-02-2019 00:00

The Administrative view has information regarding Demographics, Professional Fee Billing, Location Hierarchy, and Hospital Discharge Billing. PHI has been removed for the purposes of this guide.

### Professional Fee Billing

Procedure Codes (CPT) Required	Code	Description	Type	Case-Linked?
	74176	Computed tomograph	Unspecified Professional Fee	
	71250	Computed tomograph	Unspecified Professional Fee	
	72197	Magnetic resonance (	Unspecified Professional Fee	
	88321	Unknown Code	Unspecified Professional Fee	
	00840	Anesthesia for intrape	Unspecified Professional Fee	Yes
	58571	Laparoscopy, surgical	Unspecified Professional Fee	Yes
	88305	Unknown Code	Unspecified Professional Fee	Yes
	88307	Unknown Code	Unspecified Professional Fee	Yes

Diagnosis Codes (ICD-9/10)	Code	Description	Type	Case-Linked?
	C53.9	Malignant neoplasm of	Unspecified Professional Fee	
	C53.9	Malignant neoplasm of	Unspecified Professional Fee	
	C53.9	Malignant neoplasm of	Unspecified Professional Fee	
	C53.9	Malignant neoplasm of	Unspecified Professional Fee	
	D28.2	Benign neoplasm of u	Unspecified Professional Fee	Yes
	D26.7	Other benign neoplas	Unspecified Professional Fee	Yes
	C54.1	Malignant neoplasm of	Unspecified Professional Fee	Yes

### Hospital Discharge Billing

Diagnosis Codes (ICD-9/10) Required	Code	Description	Type	Start Time
	C53.9	Malignant neoplasm of	Hospital Discharge	
	C53.9	Malignant neoplasm of	Hospital Discharge	
	C53.9	Malignant neoplasm of	Hospital Discharge	
	Z20.822	Unknown Code	Hospital Discharge	
	D28.2	Benign neoplasm of u	Hospital Discharge	
	D26.7	Other benign neoplas	Hospital Discharge	
	C49.9	Malignant neoplasm of	Hospital Discharge	

The billing section shows all billing codes that have been associated with the patient, including all encounters other than the procedure.

The Professional Fee Billing and the Hospital Discharge Billing sections include a description of what the codes are.

The Case-Linked column flags the billing codes that are linked to the case that you are viewing.

# History and Physical

Procedure: REPAIR UMBILICAL HERNIA > 3 TO 5 STRANGULATED/INCARCERATED ASA CLASS 3

Assessment		
Airway	Airway - Mallampati Score -- Unspecified Exam Position Airway - Hyoid to Mentum	II >3 FB
Anesthetic Plan	Assessment and Plan - Anesthesia Technique	General
History		
Past Medical History	General - PONV Risk Factors	1 Yes
	General - PONV Risk Total Score	2
	General - Past Medical History ICD-9 Code	ENDOCRINE HISTORY HYPERTENSION NOS MALIGN NEOPL PROSTATE UPPER GI SYSTEM HISTORY VASCULAR HISTORY
	General - Past Medical History ICD-10 Code	Oth abdominal hernia with obstruction, without gangrene
Past Surgical History	General - Past Surgical History	HEAD NECK SURGERY UROLOGIC SURGERY
Social History	History - Social History - Tobacco Details Current vs Past	1 Never Smoker
Medications		
Home	General - Medications - Home	ciprofloxacin 500 mg oral tablet docusate sodium 100 mg oral capsule Multiple Vitamins oral tablet
Preop	General - Medications Detail - Dose (numerical)	1 1 1
	General - Medications Detail - Dose (unit of measure)	cap(s) tab(s) tab(s)
	General - Medications Detail - Route of Administration	oral oral oral
	General - Medications Detail - Frequency	BID once a day
	General - Medications Detail - Scheduled vs PRN	TID N N Y
	General - Medications Detail - Name	ciprofloxacin 500 mg oral tablet docusate sodium 100 mg oral capsule Multiple Vitamins oral tablet
Physical Exam		
Preop Height	Physical Exam - Height (cm)	182.9
		183
	Physical Exam - Height (in)	72 72.4
Preop Weight	Physical Exam - Weight (kg)	117.9 116.3

The H&P View shows perioperative assessment data. Similar to in Chart view, any blue text can be clicked to show more information in the right yellow pane



# Outcomes

The Outcomes view shows documented outcomes and mortality if available. The blue text in this view also remains clickable to reveal more information in the yellow right pane.

The screenshot shows a software interface with a dark blue sidebar on the left containing menu items: Chart, Record Search, Administrative, H&P, Outcomes (highlighted), and Labs. The main content area has a header with 'Procedure REPAIR UMBILICAL HERNIA > 5 YO STRANGULATED/INCARCERATED' and 'ASA Class 3'. Below the header, there are two main sections: 'Documented Outcomes' and 'Mortality'. The 'Documented Outcomes' section has a sub-section 'Outcomes' with the text 'Intraoperative observed quality assurance event' and 'No Intraoperative Events'. The 'Mortality' section has the text 'Nothing documented'.

# Labs

Procedure		REPAIR UMBILICAL HERNIA > 5 YO STRANGULATED/INCARCERATED									
ASA Class		3									
		06-03-2019	08-19-2019	08-28-2019	08-29-2019	08-30-2019	08-31-2019	09-01-2019	09-02-2019		
		15:43	17:19	01:43	10:10	12:27	05:43	03:42	07:03	09:07	05:01
Blood Bank	ABO/Rhesus (Rh) Factor										
	Antibody Screen										
Blood Gas	None documented										
Cardiac	Cholesterol	219									
	HDL	53									
	LDL	145									
	Triglycerides	107									
Chemistry	Alanine Aminotransferase (ALT)	41								51	
	Albumin	4.3								3.6	
	Alkaline Phosphatase	101								83	
	Aspartate Aminotransferase (AST)	23								28	
	Bilirubin, Total	0.6								1	
	Calcium	9.7	10.1	9	9.7		8.7	9.1		9.5	
	Chloride	108	107	106	104		109	108		107	
	Creatinine	1.1	1.1	1.1	1.1		1	1		1.3	
	Glucose	91	71	105	117		98	100		93	
	Lactate	208				1.3				1.2	
	LDH	208									
	Magnesium						2.2	2		2.1	
	Potassium	4.2	3.7	4.2	4.2		3.9	4.3		4	
	Protein	7.2								6.5	
	Sodium	144	142	139	140		141	141		141	
	Urea Nitrogen	13	13	13	10		9	7		9	
Coagulation	International Normalized Ratio (INR)		1		1.1					1.1	
	Partial Thromboplastin Time (PTT)		28.3		27.3						
	Prothrombin Time (PT)		13.1		13.2					13.2	
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2		12.6	12.5		12.7	
	Hematocrit (HCT)	45.3	44.9	37.6	43.2		39.3	38.3		38.6	
	Platelets (PLT)	268	272	270	328		289	302		323	
	WBC Count	5.9	5.8	11.8	13.8		11.1	11.3		11.3	
Drug Monitoring	None documented										
Endocrine	Hemoglobin A1c	4.7									
Other	None documented										
Urine	None documented										

- Shows labs in clinical groupings and chronological order
- Info is also available in chart view
- Blue shading across the top shows the day of surgery

												Time	Value	Mapped As	
Blood Bank	ABO/Rhesus (Rh) Factor														
	Antibody Screen														
Blood Gas	None documented														
Cardiac	Cholesterol	219													
	HDL	53													
	LDL	145													
	Triglycerides	107													
Chemistry	Alanine Aminotransferase (ALT)	41													
	Albumin	4.3													
	Alkaline Phosphatase	101													
	Aspartate Aminotransferase (AST)	23													
	Bilirubin, Total	0.6													
	Calcium	9.7	10.1	9.7	9.7	8.7	9.1	9.5							
	Chloride	108	107	106	104	109	108	107							
	Creatinine	1.1	1.1	1.1	1.1	1	1	1.3							
	Glucose	91	71	105	117	98	100	93							
	Lactate	208							1.3						
	LDH	208								1.2					
	Magnesium														
	Potassium	4.2	3.7	4.2	4.2										
	Protein	7.2													
	Sodium	144	142	139	140										
	Urea Nitrogen	13	13	13	10										
Coagulation	International Normalized Ratio (INR)														
	Partial Thromboplastin Time (PTT)														
	Prothrombin Time (PT)														
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2										
	Hematocrit (HCT)	45.3	44.9	37.6	43.2										
	Platelets (PLT)	268	272	270	328										
	WBC Count	5.9	5.8	11.8	13.8										
Drug Monitoring	None documented														
Endocrine	Hemoglobin A1c	4.7													
Other	None documented														
Urine	None documented														

Clicking on the lab name on the right will show all labs in that category in the right hand yellow pane. Clicking a lab value itself will give more information about that lab value.

- Clicking a value brings up more information

Procedure: REPAIR UMBILICAL HERNIA > TO STRANGULATED/INCARCERATED      ASA Class: 3

	06-03-2019 15:43	08-19-2019 17:19	08-28-2019 01:43	08-29-2019 10:10	12:27	08-30-2019 05:43	08-31-2019 05:42	09-01-2019 07:03	09-07 09:07	09-02-2019 05:01
Blood Bank	ABO/Rhesus (Rh) Factor Antibody Screen									
Blood Gas	None documented									
Cardiac	Cholesterol HDL LDL Triglycerides									
Chemistry	Alanine Aminotransferase (ALT) Albumin Alkaline Phosphatase Aspartate Aminotransferase (AST) Bilirubin, Total Calcium Chloride Creatinine Glucose Lactate LDH Magnesium Potassium Protein Sodium Urea Nitrogen									
Coagulation	International Normalized Ratio (INR) Partial Thromboplastin Time (PTT) Prothrombin Time (PT)									
Complete Blood Count	Hemoglobin (HGB) Hematocrit (HCT) Platelets (PLT) WBC Count									
Drug Monitoring	None documented									
Endocrine	Hemoglobin A1c									
Other	None documented									

**Lab Value** ✕

Concept: Formal lab - Glucose, Serum/Plasma

Value: 91

Time: 06-03-2019 15:43

User Comment: Fasting reference:  
Pre-Diabetes 100-125  
Diabetes >125  
Non-Fasting:  
Normal <140  
Diabetes >/=200

AIMS\_IntraopMedications

Find value

MPOGDose_ID	MPOGCase_ID	MPOGMed_Concept_ID	MPOGDose_Type_CD	MPOGUOM_Concept_ID	MPOGRoute_Concept_ID	AIMSDose_ID	AIMSMed_Concept_ID	AIMSDose_Start_DT	AIMSDose_End_DT	AIMSMed_Nar
adffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10702	1	1005	2008	2330975-27694-2020-09-15 09:13:00-1-465158003	27694	9/15/2020 9:13:00 AM		omeprazole 20
aefdd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10253	1	1014	2014	2330975-28203-2020-09-15 20:00:00-1-465321507	28203	9/15/2020 8:00:00 PM		lidocaine 5 % t
afffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186	1	1010	2001	2330975-3037-2020-09-15 17:18:00-1-465230852	3037	9/15/2020 5:18:00 PM		fentaNYL (PF) 5
b0ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186	1	1010	2001	2330975-3037-2020-09-15 17:27:00-2-465230852	3037	9/15/2020 5:27:00 PM		fentaNYL (PF) 5
b1ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186	1	1010	2001	2330975-3037-2020-09-15 17:47:00-3-465230852	3037	9/15/2020 5:47:00 PM		fentaNYL (PF) 5
b2ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219	1	1005	2001	2330975-3757-2020-09-15 18:17:00-1-465230853	3757	9/15/2020 6:17:00 PM		HYDROMorphi
b3ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10070	1	1025	2007	2330975-40822484-2020-09-15 16:54:00-2-465230834	40822484	9/15/2020 4:54:00 PM		bupivacaine (P
b4ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10306	1	1005	2001	2330975-40823880-2020-09-15 22:16:00-1-465321534	40823880	9/15/2020 10:16:00 PM		morphine 2 mg
b5ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10374	1	1005	2001	2330975-40840565-2020-09-15 21:22:00-1-465321530	40840565	9/15/2020 9:22:00 PM		PROMETHAZIN
b6ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10374	1	1005	2001	2330975-40843105-2020-09-15 10:18:00-2-465158026	40843105	9/15/2020 10:18:00 AM		PROMETHAZIN
b7ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10301	1	1005	2001	35921702	3092	9/15/2020 12:17:00 PM		Midazolam (IV)
b8ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10131	1	1005	2001	35921960	5456	9/15/2020 12:31:00 PM		Clindamycin N
b9ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10216	1	1005	2001	35922076	21090	9/15/2020 12:47:46 PM		Hydrocortison
baffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10160	1	1005	2001	35922154	47653	9/15/2020 12:52:50 PM		Diphenhydram
bbffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10210	1	1005	2001	35922156	42297	9/15/2020 12:52:56 PM		Haloperidol (H
bcffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10377								Induc
bdffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10393								tum
beffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186								
bfffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10186								
c0ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10202								cin M
c1ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor
c2ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor
c3ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10239								c
c4ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10070								ine O;
c5ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10206								trolate
c6ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10315								mine
c7ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10335								stron (I
c8ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor

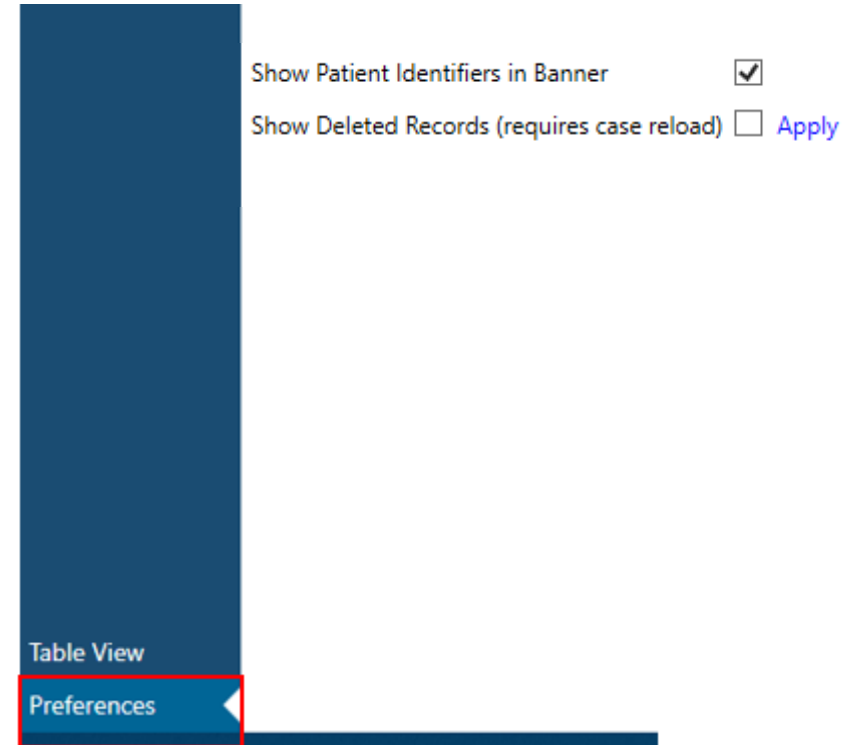
**Table View**

Table view displays all data submitted to MPOG central that was documented for a particular case regardless of if it was mapped to an MPOG concept or not. The dropdown menu allows to view data in specific storage tables.

The search bar below the drop down allows for text search of the information in table view

# Preferences

- The preferences option on the bottom of the left pane lets users turn on/off PHI viewing and deleted record information
- Values marked as 'Artifact' are not shown when the option to not show Deleted data is selected



# ACQR “Cheat Sheet”

- Example search strings for failed case review. Copy and paste into “Record Search”

- Glucose Measures:

glucose | insulin | anesthesia start | anesthesia End | dextrose | diabetes | 50012 | 50304  
| 6008 | 50301 | 50443 | 50016 | 50002 | 50011 | 50069 | 50110 | 50211 | 50009

- Transfusion Measures:

anesthesia start | anesthesia end | HCT | hematocrit | hemoglobin | HGB | Red blood cells  
| Estimated blood loss | Saline 0.9% | lactated ringers | albumin | platelets |  
phenylephrine | ephedrine | epinephrine