



Data Review: Case Viewer



Case Viewer Overview

The MPOG Case Viewer application displays individual case data in a standardized way, similar to an anesthesia information management system (AIMS) but agnostic to the electronic health record used by the participating site.



MPOG Case Viewer

(No case loaded) X +

Fast Case Lookup

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

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

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

- Age
- Gender
- CPT Code
- ICD Code
- Location
- Location Tag
- MPOG Concept ID
- Opened Date Range
- Primary Surgical Service
- Procedure Text
- Registry Data
- Room Name
- Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	August 2025	Today
Knee Arthroplasty	Adult	July 2025	Yesterday
Labor Analgesia		June 2025	This Week
Labor Epidural		Year to Date	Last Week
			August 2025
			July 2025

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

Import

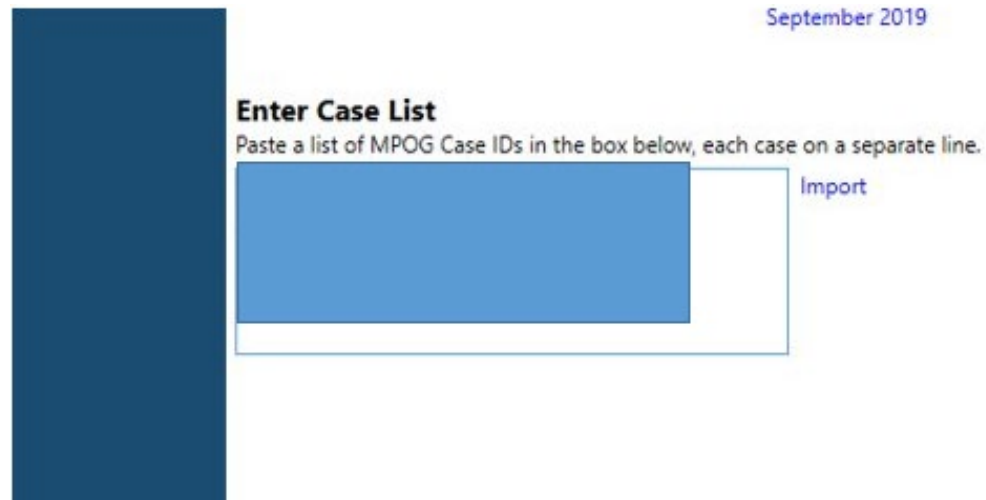
To open a case, search by MPOG Patient ID, MPOG Case ID, AIMS Case ID, or MRN in either location

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
Gender
CPT Code
ICD Code
Location
Location Tag
MPOG Concept ID
Opened Date Range
Primary Surgical Service
Procedure Text
Registry Data
Room Name
Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	August 2025	Today
Knee Arthroplasty	Adult	July 2025	Yesterday
Labor Analgesia		June 2025	This Week
Labor Epidural		Year to Date	Last Week
			August 2025
			July 2025

- **Age** – Search for cases by specific age ranges
- **Gender** – Search for cases by gender, based on Variable Mapping. This will only result cases if you are submitting Patient Attributes data (optional data type).
- **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.
- **Location** – Allows users to search for procedures done at a specific location at their site based on Location Mapping (Module: Getting Started: Location Mapping)
- **Location Tag** – Allows users to search by tags applied in Location Mapping
- **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 (e.g., CABG)
- **Registry Data** – Lists all cases that include data from MSQC, NSQIP, STS Adult Cardiac, STS Congenital Heart and STS General Thoracic
- **Room Name** – Allows user to search for cases based on room (based on room names in Location Mapping)
- **Surgery Date Range** – Search for cases that occurred between specific dates.

Search By Filter

Browse for Cases

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

Age	From 50 to 90 years old	X
Gender	Female	X
CPT Code		
ICD Code		
Location		
Location Tag		
MPOG Concept ID	3011	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	Cardiac	X
Procedure Text		
Registry Data		
Room Name		
Surgery Date Range	From 5/1/2025 To 6/30/2025	X

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	August 2025	Today
Knee Arthroplasty	Adult	July 2025	Yesterday
Labor Analgesia		June 2025	This Week
Labor Epidural		Year to Date	Last Week
			August 2025
			July 2025

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.

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

Table View

Preferences

(No case loaded) X +

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

Gender

CPT Code

ICD Code

Location

Location Tag

MPOG Concept ID

Opened Date Range

Primary Surgical Service

Procedure Text

Registry Data

Room Name

Surgery Date Range

Filter Shortcuts

Case Type

Coronary Artery Bypass

Knee Arthroplasty

Labor Analgesia

Labor Epidural

Patient Age

Pediatric

Adult

Enter Case List

Paste a list of MPOG Case IDs in the box below

General

Critical Care - Medicine

Critical Care - Neurology/Neurosurgery

Critical Care - Pediatrics

Critical Care - Surgery

Dentistry

Dermatology

General

Gynecology

Hand Surgery

Medical - Adult Emergency Services

Medical - cardiology

Medical - Electrophysiology

Medical - gastroenterology

Medical - General

Medical - hematology/oncology

Medical - nephrology

Medical - not specified

Medical - other

Search Results

X

Case Time	Service	Patient Age	Procedure	Room
-----------	---------	-------------	-----------	------

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

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

(No case loaded) X +

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

Gender

CPT Code

ICD Code

Location

Location Tag

MPOG Concept ID

Opened Date Range

Primary Surgical Service

Procedure Text

Registry Data

Room Name

Surgery Date Range

General

X

From

5/1/2025

15

X

To

5/31/2025

15

Filter Shortcuts

Case Type

Patient Age

Date of Surgery

Recently Opened

Coronary Artery Bypass

Pediatric

August 2025

Today

Knee Arthroplasty

Adult

July 2025

Yesterday

Labor Analgesia

June 2025

This Week

Labor Epidural

Year to Date

Last Week

August 2025

July 2025

Enter Case List

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

Import

Search Results

Case Time

Service

May 01, 2025 08:24

General

May 01, 2025 10:16

General

May 01, 2025 12:47

General

May 01, 2025 14:40

General

May 01, 2025 12:00

General

May 01, 2025 08:30

General

May 01, 2025 08:30

General

May 01, 2025 11:30

General

May 01, 2025 15:57

General

May 01, 2025 21:59

General

May 02, 2025 07:30

General

May 02, 2025 07:27

General

May 02, 2025 08:45

General

May 02, 2025 07:30

General

May 02, 2025 07:30

General

May 02, 2025 09:55

General

May 02, 2025 08:45

General

May 02, 2025 11:25

General

May 02, 2025 07:30

General

May 02, 2025 07:30

General

May 02, 2025 08:30

General

May 02, 2025 07:30

General

May 02, 2025 11:00

General

May 02, 2025 14:11

General

May 03, 2025 05:26

General

Next, filter down to May cases by clicking “Surgery Date Range” and specifying 5/1/2025 to 5/31/2025.

Click ‘Enter’ to apply the filter

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

MPOG Case Viewer

(No case loaded) ✕ +

Fast Case Lookup

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

Case Search

Chart
Record Search
Administrative
Billing
H & P
Outcomes
Labs
Microbiology

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

Age
Gender
CPT Code
ICD Code
Location
Location Tag
MPOG Concept ID 50002, 10377, 10007 ✕
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
Room Name
Surgery Date Range

Filter Shortcuts

Case Type	Patient Age	Date of Surgery	Recently Opened
Coronary Artery Bypass	Pediatric	August 2025	Today
Knee Arthroplasty	Adult	July 2025	Yesterday
Labor Analgesia		June 2025	This Week
Labor Epidural		Year to Date	Last Week
			August 2025
			July 2025

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

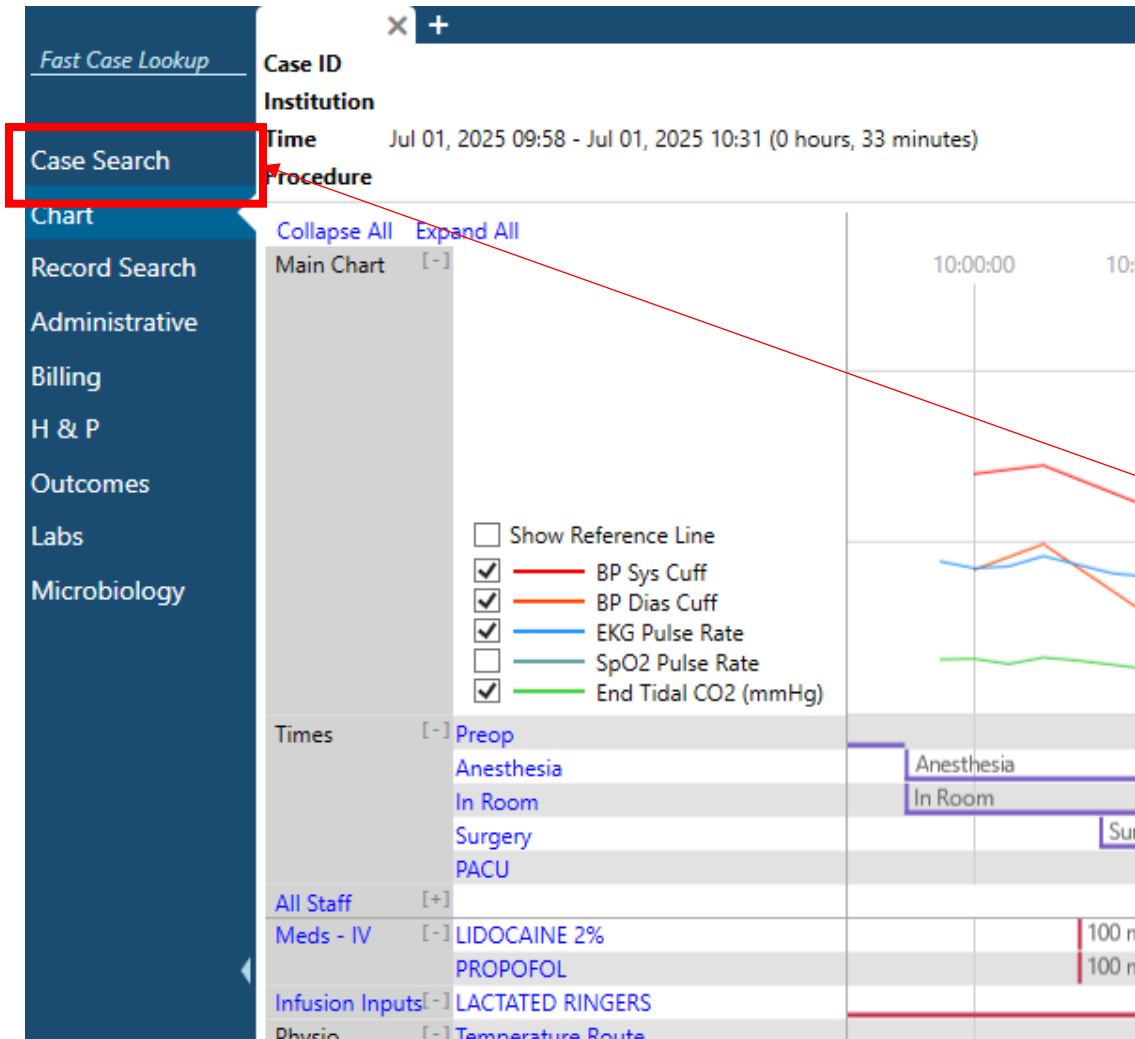
- Double click or right click on a case in the Search Results pane to open. Case viewer will open to the “Chart” Tab. PHI has been removed for the purposes of this guide.



Search Results				
Case Time	Service	Patient Age	Procedure	Institution
08-26-2020 07:00				
09-02-2021 08:00				
07-28-2017 00:00				
09-16-2021 12:00				
10-18-2018 00:00				
08-15-2022 07:30				

Search Results				
Case Time	Service	Patient Age	Procedure	Institution
08-26-2020 07:00	Cardiac			
09-02-2021 08:00	Cardiac			
07-28-2017 00:00	Cardiac			
09-16-2021 12:00	Cardiac			
10-18-2018 00:00	Cardiac			
08-15-2022 07:30	Cardiac			

Chart View



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 IDs
- Age/Sex/Race
- Height/Weight
- ASA Class
- Surgical Service
- Obstetrics / Gynecology
- Admission
- Inpatient
- Room Name

Additional information visible in the header includes:

- Time: Mar 26, 2024 13:31 - Mar 26, 2024 15:33 (2 hours, 2 minutes)
- Procedure: C-section
- Height/Weight: 172.7 cm, 114.7 kg
- ASA Class: 2

The main chart area displays various physiological data over time, including:

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

Medication and infusion data are also shown:

- Meds - IV:** CEFAZOLIN, DEXAMETHASONE, DIPHENHYDRAMINE, KETOROLAC, LABETALOL, ONDANSETRON
- Meds - Intrathecal:** BUPIVACAINE 0.75%, EPINEPHRINE, FENTANYL, MORPHINE
- Meds - PO:** ACETAMINOPHEN, AMLODIPINE, NIFEDIPINE, SODIUM CITRATE
- Infusion Meds:** MAGNESIUM SULFATE, OXYTOCIN, PHENYLEPHRINE
- Infusion Inputs:** LACTATED RINGERS
- Outputs:** URINE OUTPUT
- Physio:** Temperature Route, Temp 1 - Unspecified Site, SpO2 Pulse Rate, EKG Pulse Rate, ST Lead V5, Respiratory Rate - Unspecified source, Respiratory Rate Actual from EtCO2 trace, Noninvasive blood pressure cuff location

Other data points include:

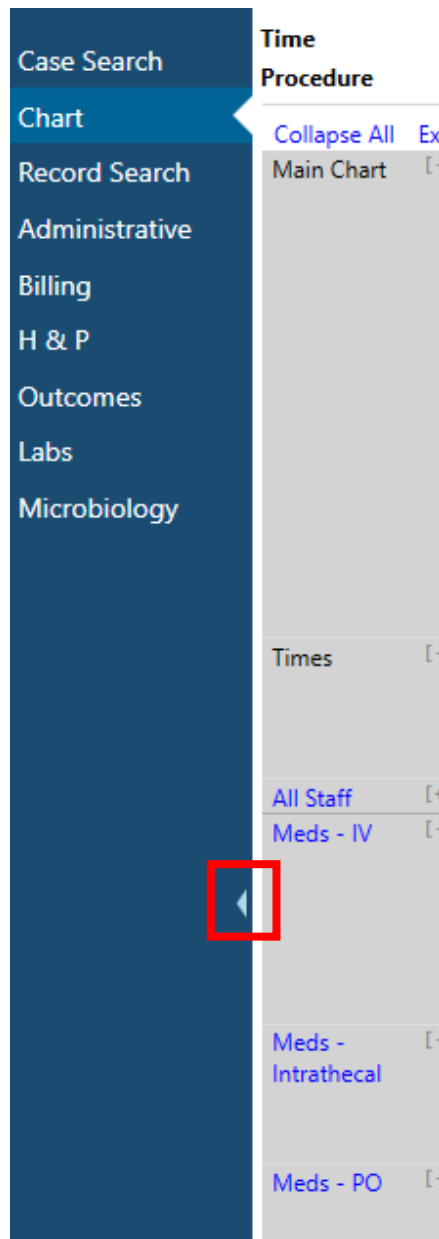
- BP Sys Cuff: 119
- BP Dias Cuff: 119
- ST Lead V5: 119
- Respiratory Rate - Unspecified source: 10
- Respiratory Rate Actual from EtCO2 trace: 10
- Noninvasive blood pressure cuff location: Upper Arm R
- BP Sys Cuff: 155
- BP Dias Cuff: 110
- BP Mean Cuff: 128

Table View Preferences

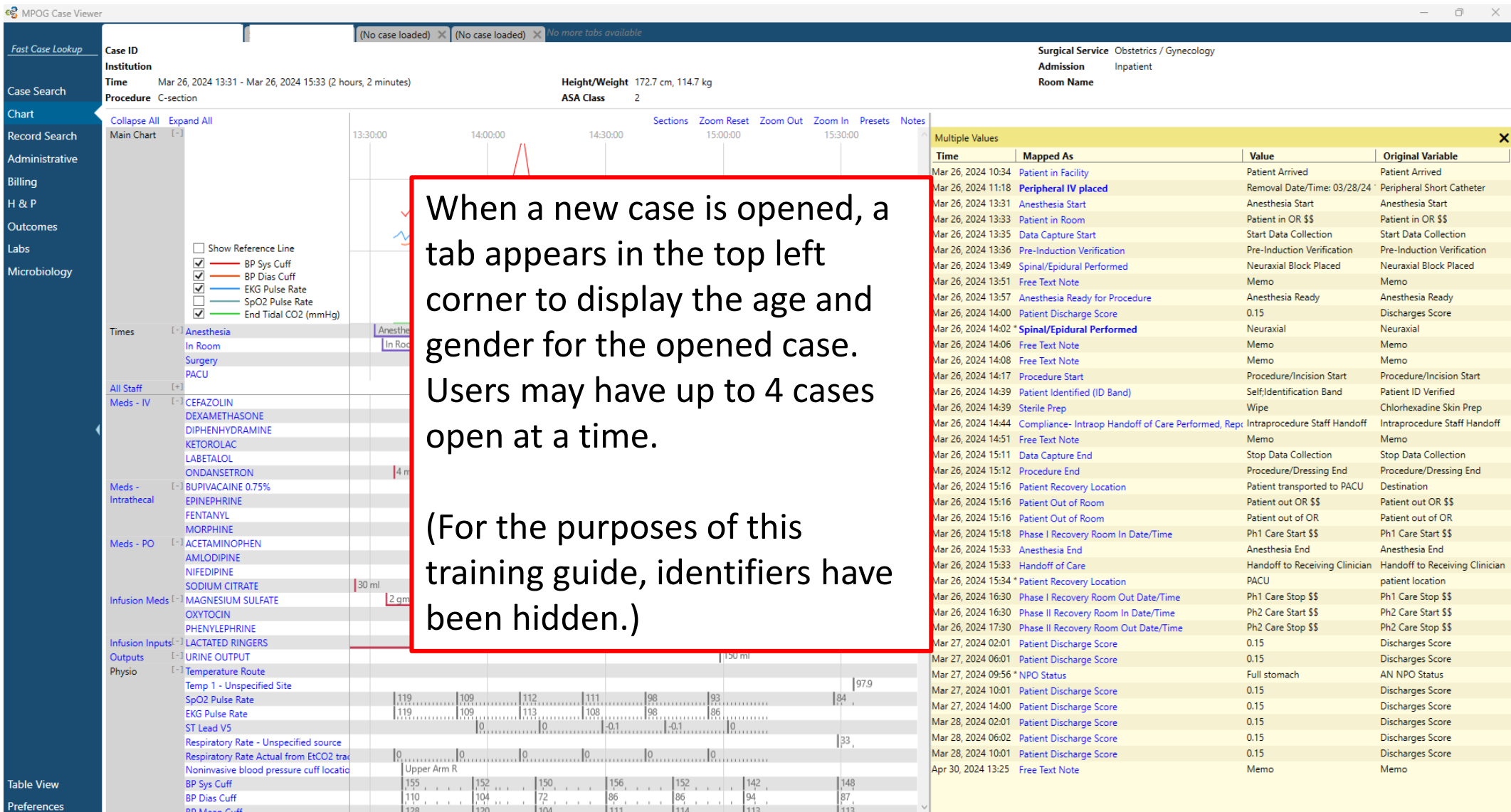
Chart View

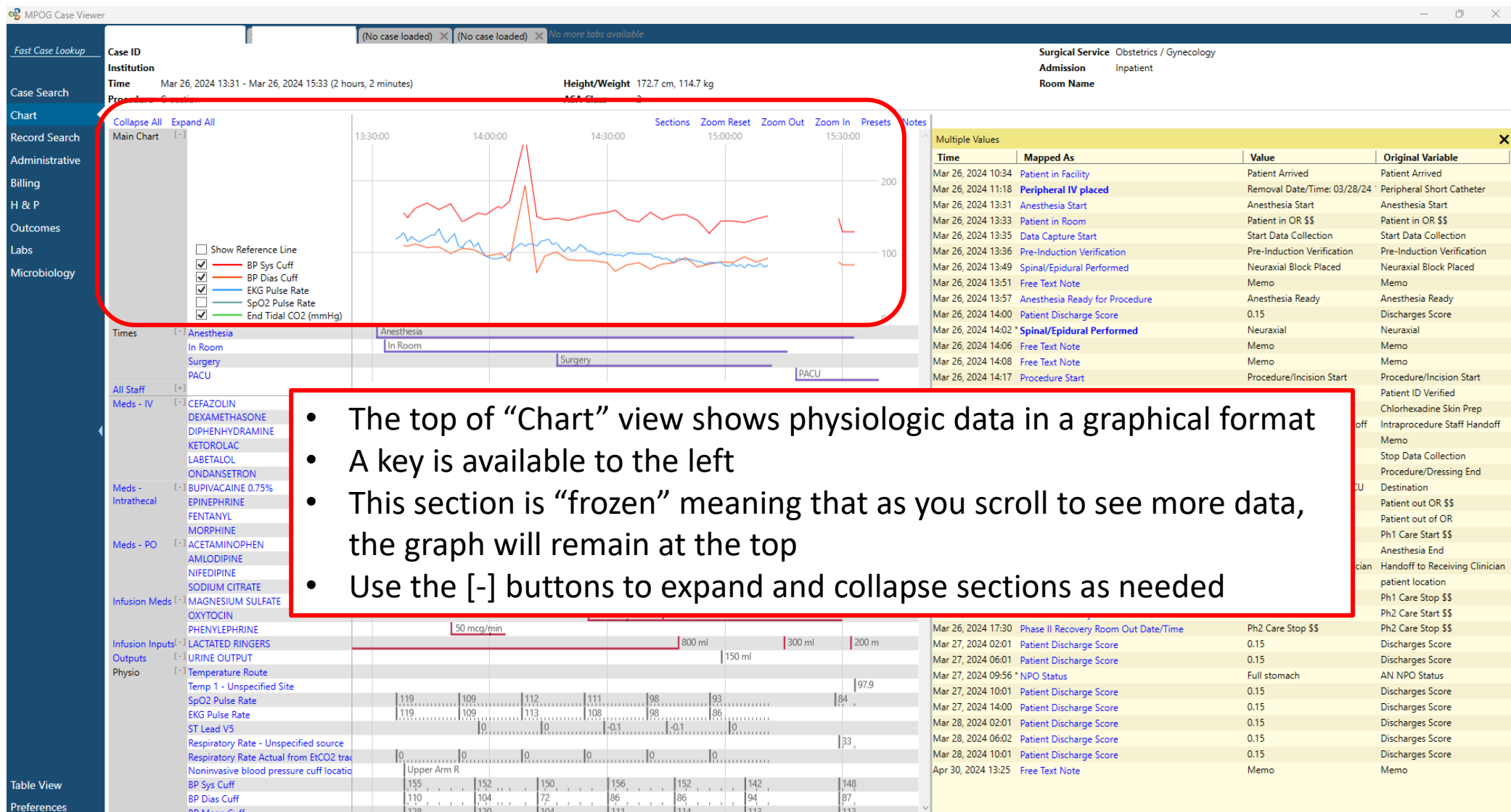
The MRN and MPOG Case ID can be copied using the 'Copy' button

Case ID	Patient IDs	(Last Name Missing), (First Name Missing) (MRN Missing)
1	101	101
2	102	102
3	103	103
4	104	104
5	105	105
6	106	106
7	107	107
8	108	108
9	109	109
10	110	110
11	111	111
12	112	112
13	113	113
14	114	114
15	115	115
16	116	116
17	117	117
18	118	118
19	119	119
20	120	120
21	121	121
22	122	122
23	123	123
24	124	124
25	125	125
26	126	126
27	127	127
28	128	128
29	129	129
30	130	130
31	131	131
32	132	132
33	133	133
34	134	134
35	135	135
36	136	136
37	137	137
38	138	138
39	139	139
40	140	140
41	141	141
42	142	142
43	143	143
44	144	144
45	145	145
46	146	146
47	147	147
48	148	148
49	149	149
50	150	150
51	151	151
52	152	152
53	153	153
54	154	154
55	155	155
56	156	156
57	157	157
58	158	158
59	159	159
60	160	160
61	161	161
62	162	162
63	163	163
64	164	164
65	165	165
66	166	166
67	167	167
68	168	168
69	169	169
70	170	170
71	171	171
72	172	172
73	173	173
74	174	174
75	175	175
76	176	176
77	177	177
78	178	178
79	179	179
80	180	180
81	181	181
82	182	182
83	183	183
84	184	184
85	185	185
86	186	186
87	187	187
88	188	188
89	189	189
90	190	190
91	191	191
92	192	192
93	193	193
94	194	194
95	195	195
96	196	196
97	197	197
98	198	198
99	199	199
100	200	200



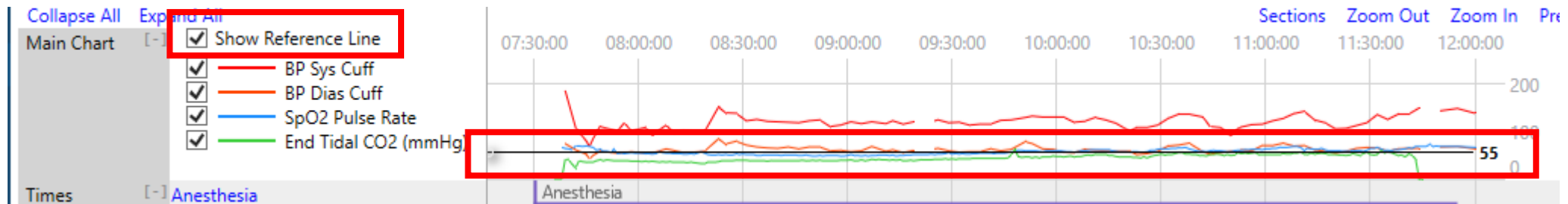
- For viewing on smaller laptop screens, the blue panel can be collapsed to save space by using the small arrow

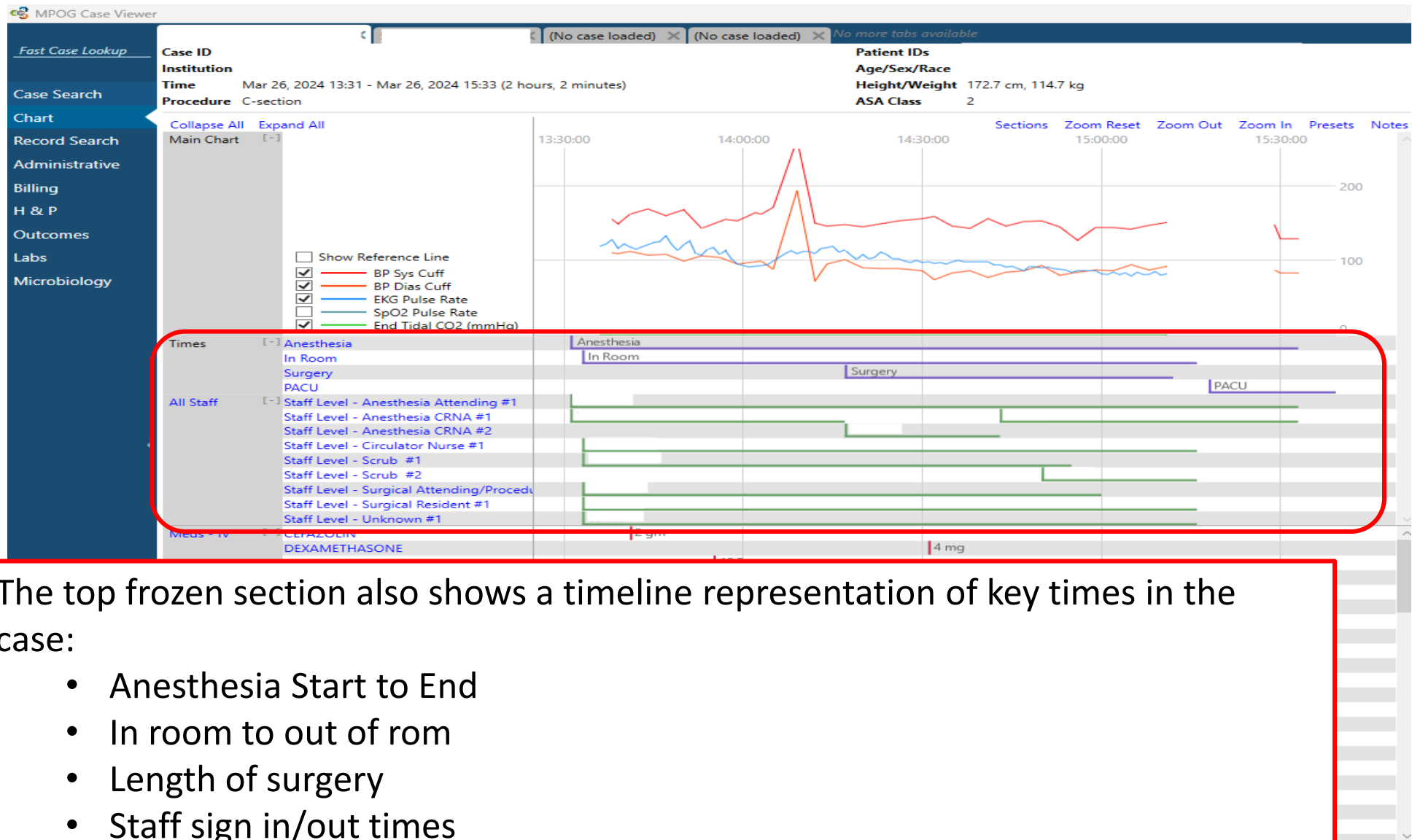




- The top of “Chart” view shows physiologic data in a graphical format
- A key is available to the left
- This section is “frozen” meaning that as you scroll to see more data, the graph will remain at the top
- Use the [-] buttons to expand and collapse sections as needed

- 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

MPOG Case Viewer

(No case loaded) (No case loaded) No more tabs available

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

Table View

Preferences

Case ID

Institution

Time

Procedure

Height/Weight

ASA Class

Surgical Service

Admission

Room Name

Obstetrics / Gynecology

Inpatient

172.7

2

13:30:00

14:00:00

14:30:00

15:00:00

15:30:00

Sections

Zoom Reset

Zoom Out

Zoom In

Presets

Notes

Multiple Values

Time	Mapped As	Value	Original Variable
Mar 26, 2024 10:34	Patient in Facility	Patient Arrived	Patient Arrived
Mar 26, 2024 11:18	Peripheral IV placed	Removal Date/Time: 03/28/24	Peripheral Short Catheter
Mar 26, 2024 13:31	Anesthesia Start	Anesthesia Start	Anesthesia Start
Mar 26, 2024 13:33	Patient in Room	Patient in OR \$\$	Patient in OR \$\$
Mar 26, 2024 13:35	Data Capture Start	Start Data Collection	Start Data Collection

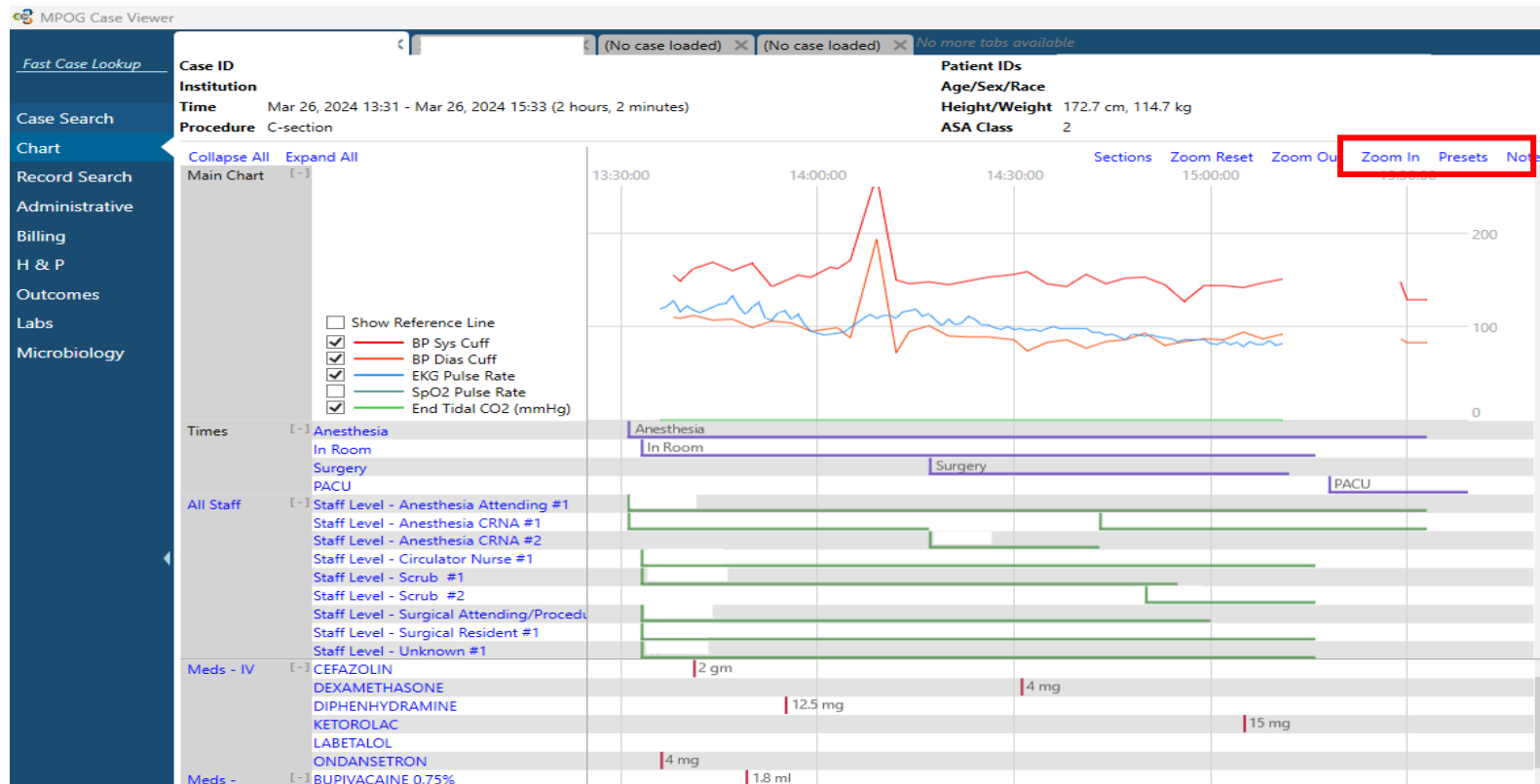
☐ Show Reference Line
☒ BP Sys Cuff
☒ BP Dias Cuff
☒ EKG Pulse Rate
☒ SpO2 Pulse Rate
☒ End Tidal CO2 (mmHg)

Times
 Anesthesia
 In Room
 Surgery
 PACU
 All Staff
 Meds - IV
 Meds - Intrathecal
 Meds - PO
 Infusion Meds
 Infusion Inputs
 Outputs
 Physio

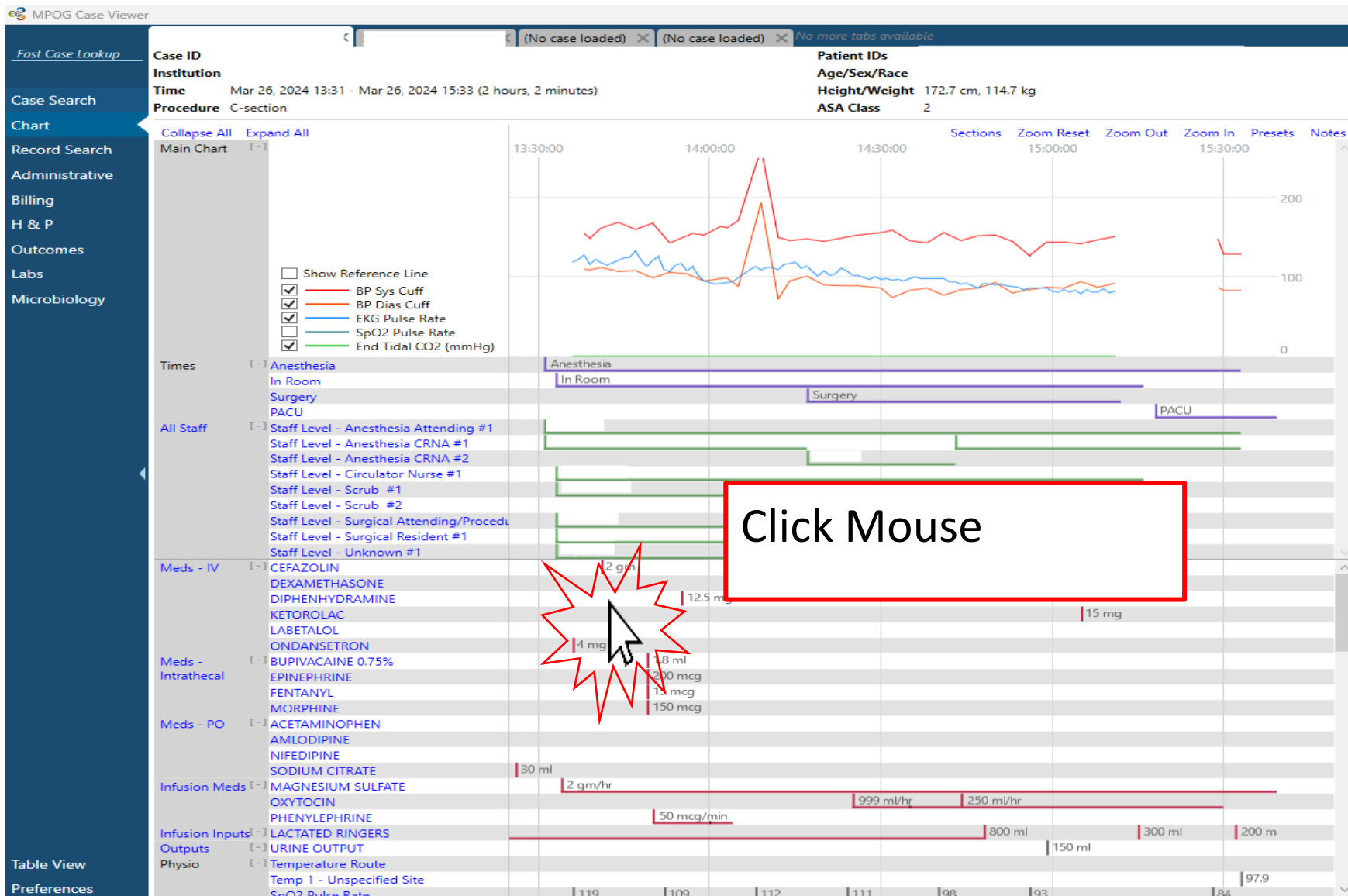
CEFAZOLIN
 DEXAMETHASONE
 DIPHENHYDRAMINE
 KETOROLAC
 LABETALOL
 ONDANSETRON
 BUPIVACAINE 0.75%
 EPINEPHRINE
 FENTANYL
 MORPHINE
 ACETAMINOPHEN
 AMLODIPINE
 NIFEDIPINE
 SODIUM CITRATE
 MAGNESIUM SULFATE
 OXYTOCIN
 PHENYLEPHRINE
 LACTATED RINGERS
 URINE OUTPUT
 Temperature Route
 Temp 1 - Unspecified Site
 SpO2 Pulse Rate
 EKG Pulse Rate
 ST Lead V5
 Respiratory Rate - Unspecified source
 Respiratory Rate Actual from EtCO2 trace
 Noninvasive blood pressure cuff location
 BP Sys Cuff
 BP Dias Cuff
 BP Mean Cuff

The grey column to the left divides the case into the following sections:

- Meds – separated by route (IV, IM, SQ, PO, Transdermal, Infusion, Epidural, etc.)
- Inputs
- Outputs
- Physiologic
- Ventilator
- Flowsheet
- Notes
- Labs



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, use the “Zoom Out” and “Zoom In” buttons in the upper right corner. You can also click and drag left or right in the chart to zoom in.

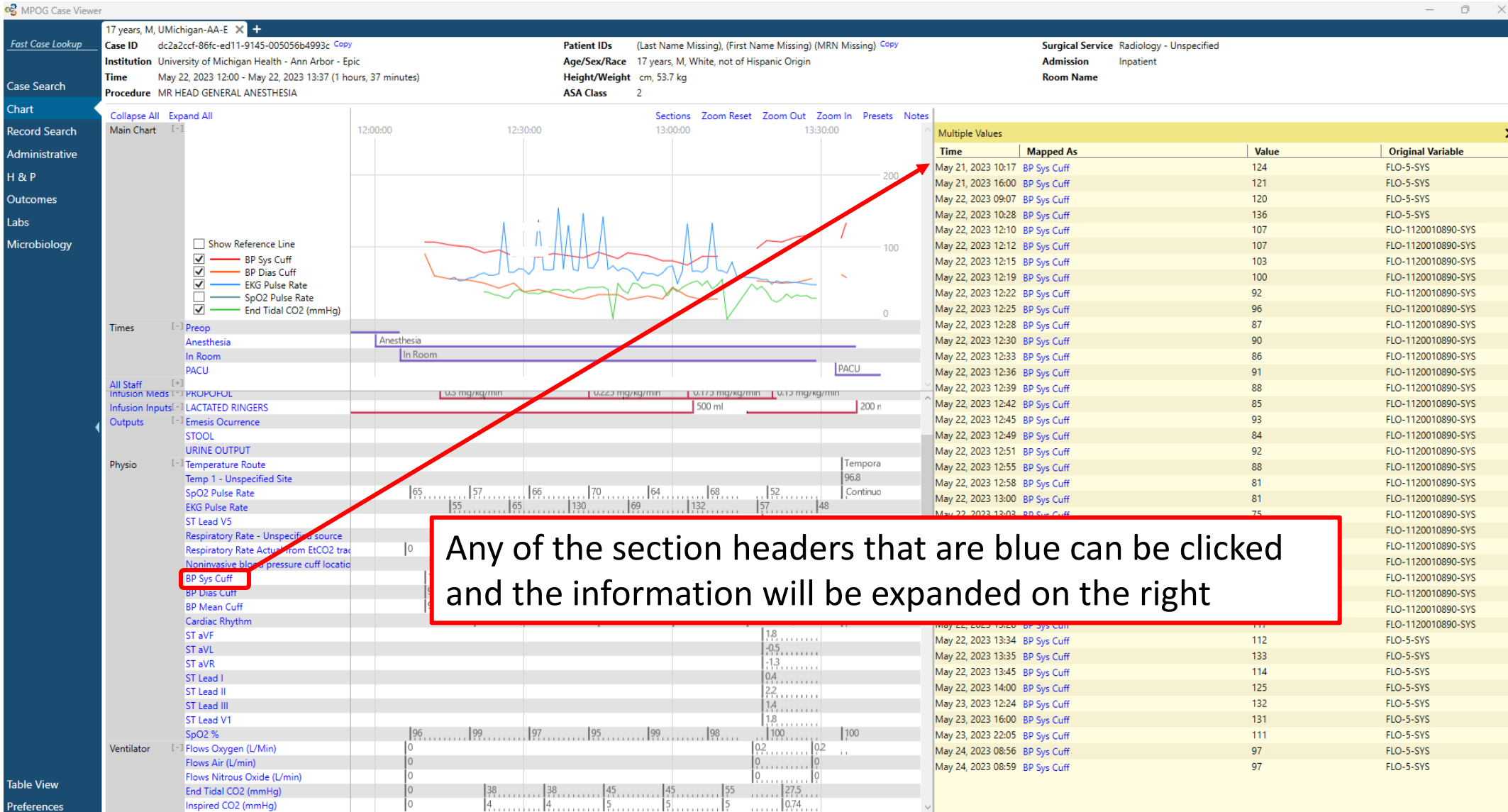


Click the middle button on the mouse and drag mouse left or right to zoom in or out

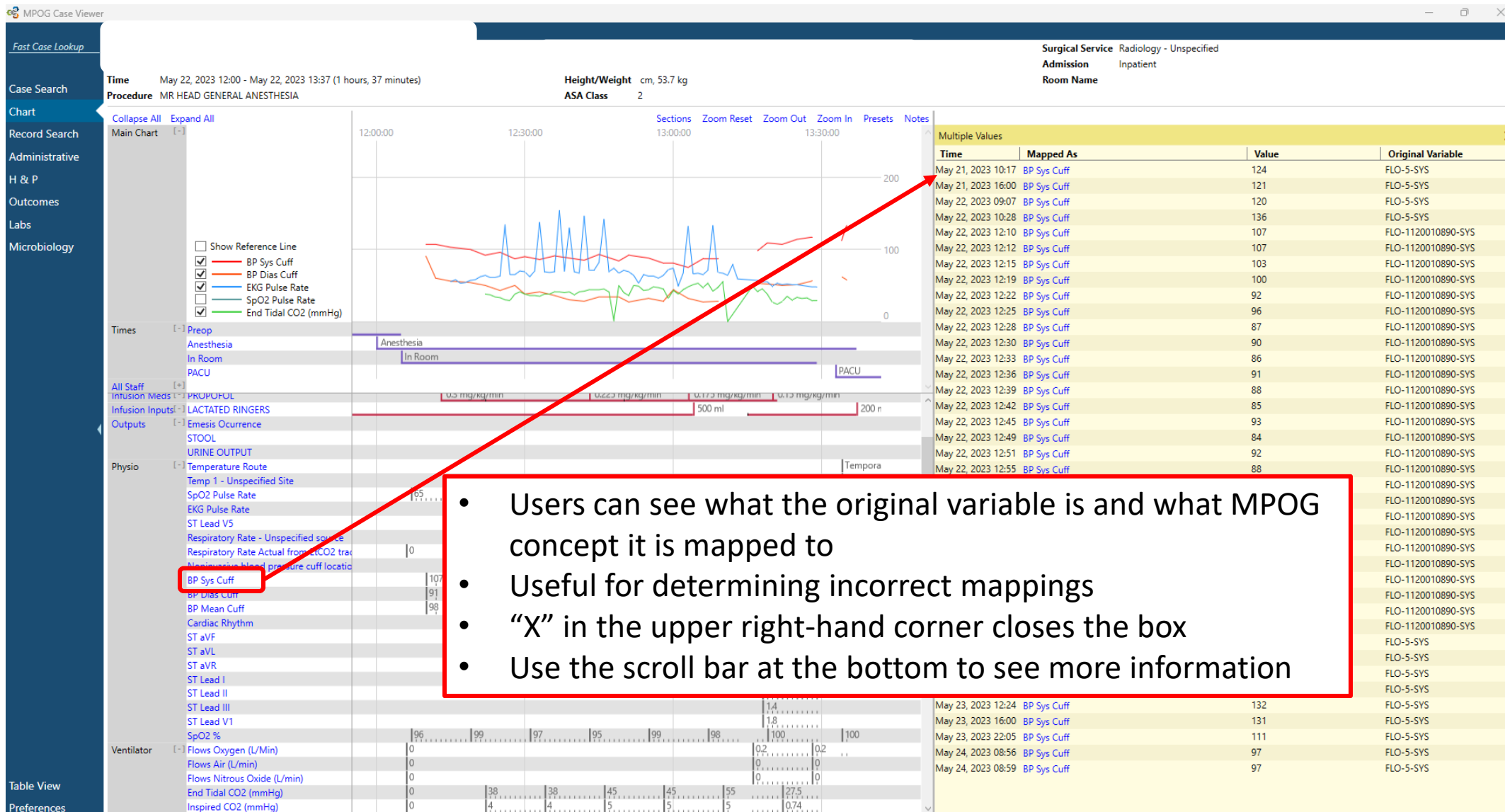


Tick marks on the flowsheet let users know that more information is available if you scroll in.





Any of the section headers that are blue can be clicked and the information will be expanded on the right



- 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

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

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

Click header

Multiple Values			
Time	Mapped As	Value	Original Variable
10-23-2017 11:34	BP Sys Cuff	156	7
10-23-2017 11:36	BP Sys Cuff	176	7
10-23-2017 11:38	BP Sys Cuff	181	7
10-23-2017 11:39	BP Sys Cuff	170	7
10-23-2017 11:40	BP Sys Cuff	148	7
10-23-2017 11:42	BP Sys Cuff	134	7
10-23-2017 11:44	BP Sys Cuff	132	7
10-23-2017 11:46	BP Sys Cuff	126	7
10-23-2017 11:48	BP Sys Cuff	124	7
10-23-2017 11:50	BP Sys Cuff	113	7
10-23-2017 11:52	BP Sys Cuff	107	7
10-23-2017 11:54	BP Sys Cuff	104	7
10-23-2017 11:56	BP Sys Cuff	102	7
10-23-2017 11:58	BP Sys Cuff	106	7



Multiple Values			
Time	Mapped As	Value	Original Variable
10-23-2017 13:46	BP Sys Cuff	90	7
10-23-2017 12:50	BP Sys Cuff	90	7
10-23-2017 12:38	BP Sys Cuff	91	7
10-23-2017 12:28	BP Sys Cuff	92	7
10-23-2017 13:34	BP Sys Cuff	92	7
10-23-2017 12:26	BP Sys Cuff	92	7
10-23-2017 13:24	BP Sys Cuff	92	7
10-23-2017 13:44	BP Sys Cuff	93	7
10-23-2017 12:24	BP Sys Cuff	95	7
10-23-2017 13:58	BP Sys Cuff	95	7
10-23-2017 13:32	BP Sys Cuff	96	7
10-23-2017 13:12	BP Sys Cuff	97	7

Values
sorted in
order

Chart View – Infusion vs. Non-Infusion Administrations

- If an end time is not populated, infusion dose will continue until the start time of the next administration for the same medication.
- If an end time is not populated and there is not an additional administration, the infusion will continue until anesthesia end time.
- If the infusion start time is after anesthesia end and there is no documented infusion end time, it will default to 5 minutes later.
- If the administered unit is mapped to a concept that is over time (i.e., mcg/kg/min) it will be considered an infusion.
- If the administered unit is mapped to a concept that is not over time (i.e., mL) it will be considered a bolus

Time	EndTime	Mapped As	Value	Original Variable	Unit Mapped As
01-13-2021 08:29	01-13-2021 08:41	PROPOFOL	50 mcg/kg/min	PROPOFOL	MCG/KG/MIN
01-13-2021 08:41	01-13-2021 09:11	PROPOFOL	80 mcg/kg/min	PROPOFOL	MCG/KG/MIN
01-13-2021 09:11	01-13-2021 09:35	PROPOFOL	75 mcg/kg/min	PROPOFOL	MCG/KG/MIN

			Original Variable	Unit Mapped As	Unit Original Variable
Jan 13, 2021 (day of surgery)			/min Phenylephrine	MCG/MIN	mcg/min
10:25	Anesthesia End		/min Phenylephrine	MCG/MIN	mcg/min
			/min Phenylephrine	MCG/MIN	mcg/min
01-13-2021 10:02	01-13-2021 10:25	PHENYLEPHRINE	50 mcg/min	Phenylephrine	MCG/MIN

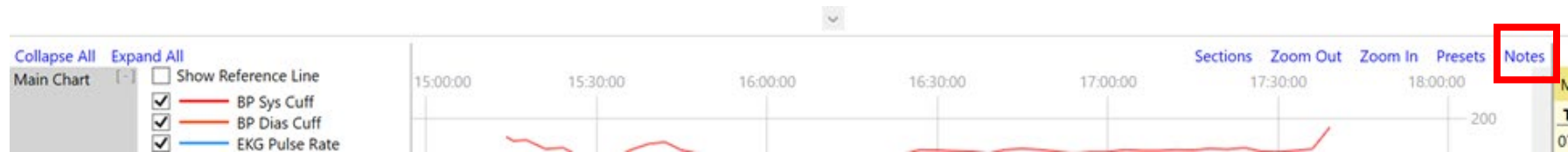
Time	EndTime	Mapped As	Value	Original Variable	Unit Mapped As
01-16-2021 22:26	01-17-2021 06:23	PROPOFOL	15 mcg/kg/min	propofol (DIPRIVAN) injection	MCG/KG/MIN

Time	EndTime	Mapped As	Value	Original Variable	Unit Mapped As	Unit Original Variable
07-16-2021 10:21		DEXTRSE	50 ml	dextrose 5% infusion ML	ML	ML

- | Multiple Values | | | |
|------------------|----------------------------|---------------------------|---------------------------|
| 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 Verification | PRIOR to Induction/Initi | PRIOR to Induction/Initi |
| 12-01-2019 09:24 | Preoxygenation/Denitr | Patient preoxygenated b | Patient preoxygenated b |

[illegible]

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



If you notice a gray box around the time in the note section, there is no Observed Time entered

10-13-2021 09:00 Ankle Block

Intraop Note

[Back](#)

Concept	Regional - Ankle Block
Value	Peripheral Block-anesthesia block type
Observed Time	

- Bolded “parent” notes have associated “child” detail notes. Clicking on a bolded note will give the additional details as well
- The original variable as well as the value are displayed in the note details

e	Mapped As	Value	Original Variable
9-2021 07:30	Eye Protection Detail	Mask removed and f	Mask removed and f
9-2021 07:32	Breath Sounds Auscultated	Equal bilateral breat	Equal bilateral breat
9-2021 07:32	Intubation Tube	8.0 mm Single-lume	__ mm __ ET tube tap
9-2021 07:32	Intubation Approach	Orally intubated usir	Orally intubated usir
9-2021 07:32	Atraumatic	Atraumatic Laryngos	Atraumatic Laryngos
9-2021 07:37	Bite Block Placed	TEE Plastic bite bloc	TEE __ bite block pla
9-2021 07:38	Anesthesia Procedure Start	Central Line placem	Central Line placem

Intraop Note

Back

Concept

Intubation Tube Note

Value

8.0 mm Single-lumen cuffed ET tube taped @ 24 cm

Observed Time

10-19-2021 07:32

Details

Concept	Original Variable	Value
Endotracheal Tube Type	ET Tube Type	Single-lumen cuffed
Endotracheal Tube Type	ET Tube Type	Single-lumen cuffed
Endotracheal Tube Size	ET Tube Size (mm)	8
Endotracheal Tube Secured	Taped at (cm)	21
Endotracheal Tube Size	ET Tube Size (mm)	8
Endotracheal Tube Secured	Taped at (cm)	24

Navigating through notes

- ‘Back’ – Return to previous list or Parent Note
- ‘Prev’ – Go to the previous note in the list
- ‘Next’ – Go to the next note in the list

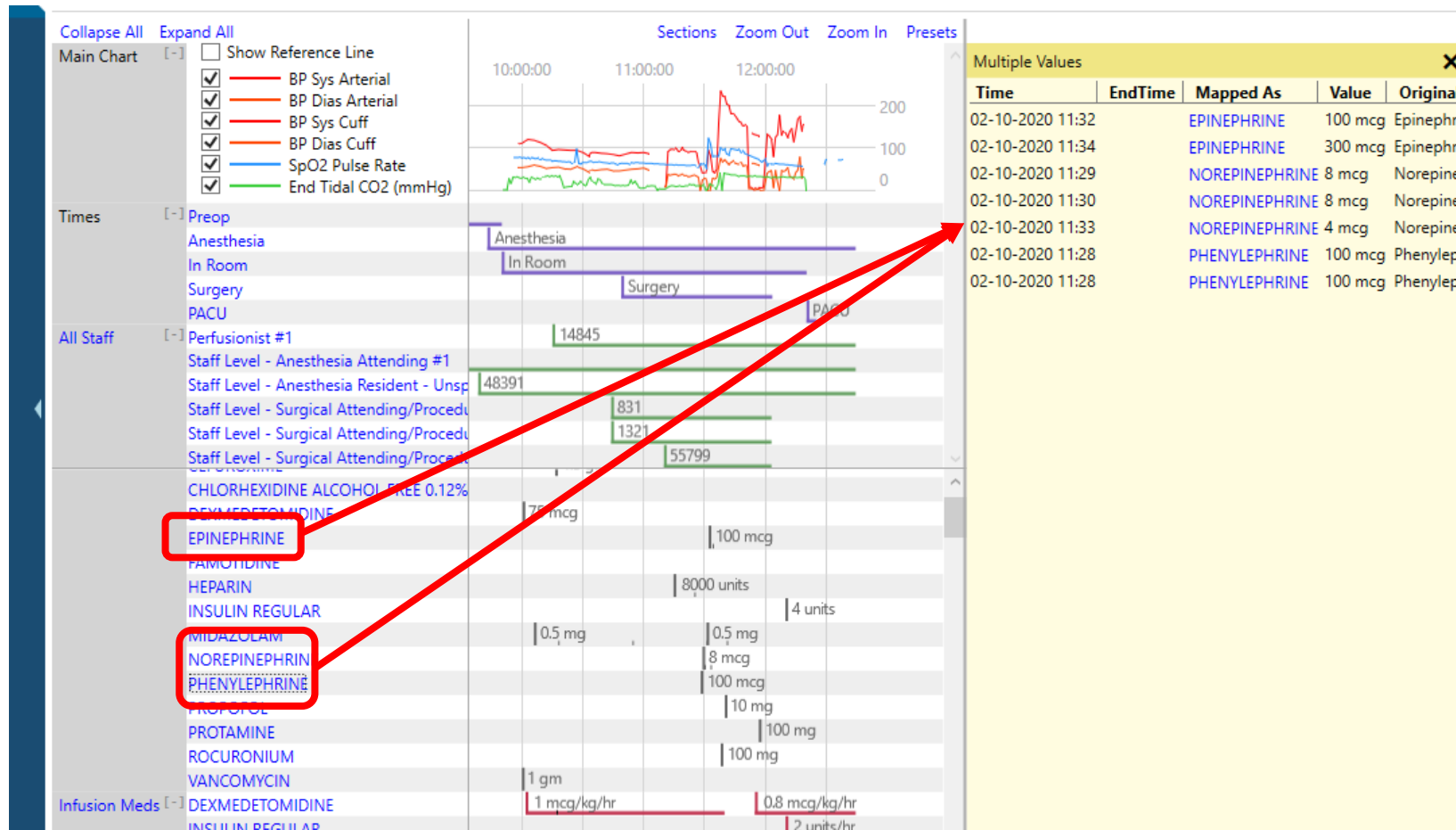
Intraop Note

Back

Prev

Next

Concept	Airway Type
Value	Airway-airway interventions
Observed Time	



- 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

1:00

200

100

55

0

6951

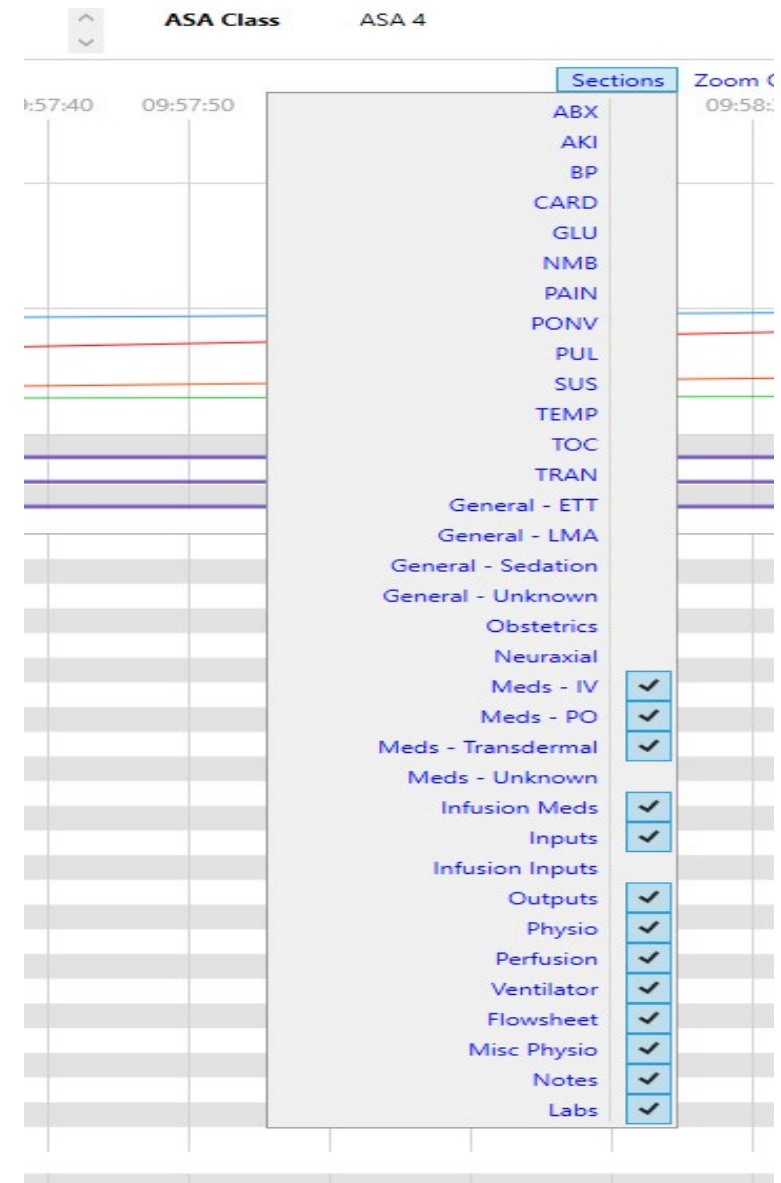
Multiple Values			
Time	Mapped As	Value	Original Variable
02-01-2020 07:39	EKG Pulse Rate	63	FLO-892
02-01-2020 07:40	EKG Pulse Rate	62	FLO-892
02-01-2020 07:41	EKG Pulse Rate	59	FLO-892
02-01-2020 07:42	EKG Pulse Rate	69	FLO-892
02-01-2020 07:43	EKG Pulse Rate	71	FLO-892
02-01-2020 07:44	EKG Pulse Rate	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



	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.



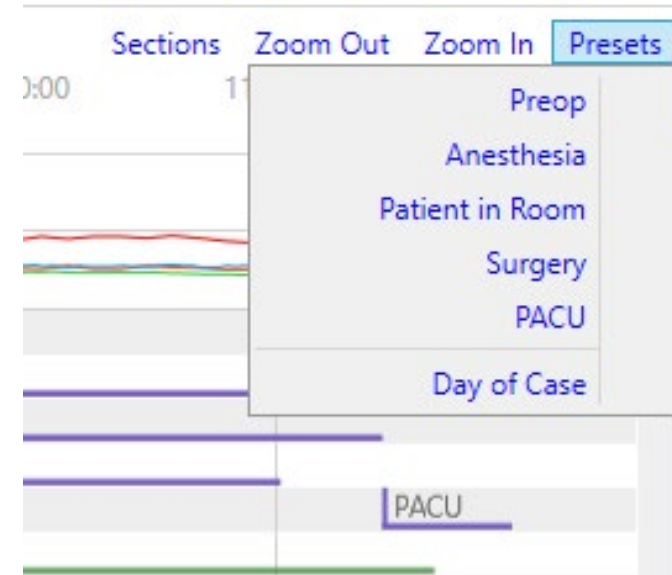
For example, the PONV section summarizes PONV relevant information such as anti-emetics given, anesthetic gases used, and PONV and smoking history and risk factors. While this information is available elsewhere in the chart, this view quickly summarizes and puts the information into one place.

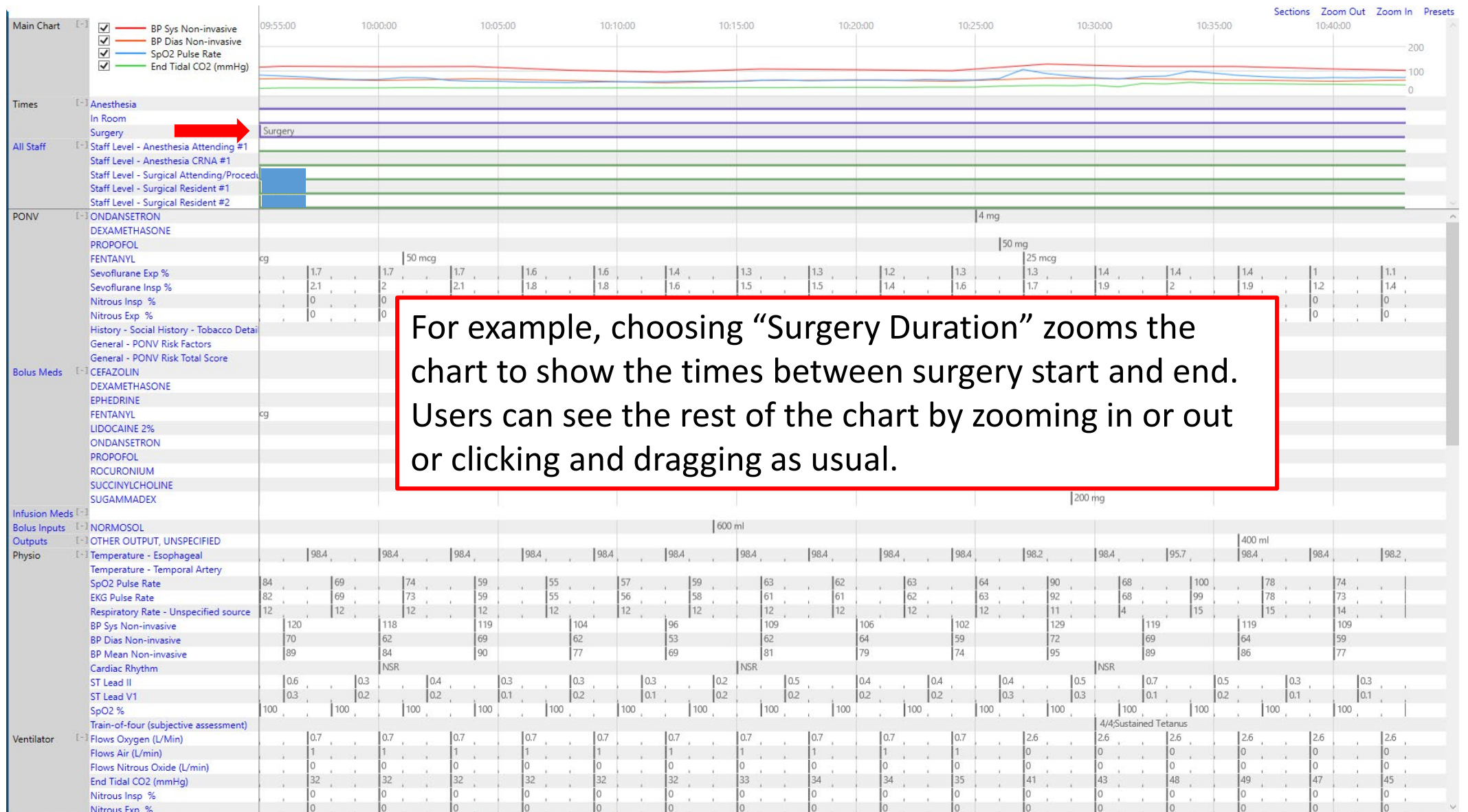
[illegible]

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

- 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 (e.g., mpog:50002)
 - Use “aims:” in front of a keyword in order to only consider the original variable ID or name (e.g., aims:Flo-5)
 - Use “value:” in front of a keyword in order to only consider the value of the record (e.g., value:yes)
- Temporarily save that information together in the “Shopping cart” to the right using the “+”
- Remove information from the shopping cart using the “X”

The screenshot shows the MPOG Record Search interface. On the left is a navigation menu with options: Chart, Record Search (selected), Administrative, H & P, Outcomes, and Labs. The main search area has a search bar containing 'propofol' and a link '(What's This?)'. Below the search bar, there are two panels for 'May 01, 2021 (day of surgery)'. The left panel shows a list of records: 10:20 PROPOFOL 80 mg, 10:21 PROPOFOL 20 mg, 10:21 PROPOFOL 20 mg, and 10:23 PROPOFOL 20 mg. Each record has a '+' button to its right, which is circled in red. The right panel shows a shopping cart with one item: 10:20 PROPOFOL 80 mg, which has an 'X' button to its right, also circled in red.

Time	Drug	Dose	Action
10:20	PROPOFOL	80 mg	+
10:21	PROPOFOL	20 mg	+
10:21	PROPOFOL	20 mg	+
10:23	PROPOFOL	20 mg	+

Time	Drug	Dose	Action
10:20	PROPOFOL	80 mg	X

Record Search

- Search for multiple terms/variables at the same time using either a comma (,) or a pipe '|' 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

Record Search	50002 50003 Propofol lactated ringers		
Administrative	Feb 01, 2020 (day of surgery)		
H & P	07:30	Anesthesia Start	Anesthesia Start +
Outcomes	07:30	Patient in Room	RN Documented In Room +
Labs	07:39	PROPOFOL	150 mg +
	08:45	LACTATED RINGERS	800 ml +
	10:00	LACTATED RINGERS	50 ml +
	11:31	PROPOFOL	50 mg +

Record Search

- Presets—clicking on this will show what preset options are available.
 - The preset options will auto populate the search area with all variables that are mapped to MPOG concept IDs related to the preset.
 - For example, the MPOG concept IDs under the GLU preset are:
10796|10797|3426|3361|3362|3405|5003|5036
|10152|10153|10229|10230|10231|10232|10233
|10460|10461|10462|10465|10466|10467|10468
|10469|10470|10471|10530|10539|10548|10558
|10559|10588|10594|10602|10659|10752|50012
|50304|6008|50301|50443|50011|50069|50110
|50211|10788|50016

The screenshot shows the 'Record Search' interface. On the left is a dark blue sidebar with a menu containing 'Record Search', 'Administrative', 'H & P', 'Outcomes', and 'Labs'. The 'Record Search' option is highlighted. The main content area has a search bar with the placeholder text 'Search here' and a link '(What's This?)'. Below the search bar is a prompt 'Enter a search query above to find me'. To the right of the search bar is a 'Presets' button and a link 'Jump to surgery'. The 'Presets' dropdown menu is open, displaying a list of preset options: PAIN, PONV, GLU, NMB, TRAN, TEMP, BP, CARD, AKI, PUL, SUS, ABX, TOC, LMA, ETT, General, Sedation, Obstetrics, and Neuraxial.

This image shows a portion of the 'Record Search' interface. The 'Record Search' button is on the left. The search bar contains the text '10796|10797|3426|3361|3362|3405|50'. To the right of the search bar are the links '(What's This?)' and 'Presets'.

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	+

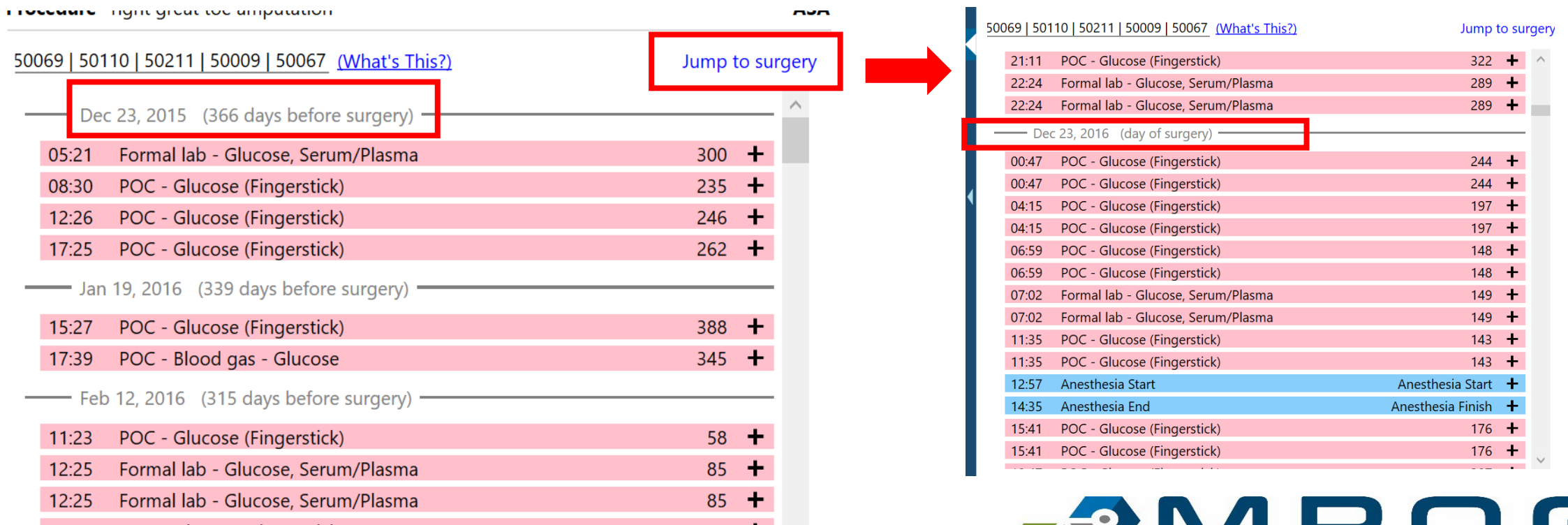
Dec 01, 2019 (day of surgery)			
09:18	FENTANYL	50 mcg	×
09:40	FENTANYL	25 mcg	×
10:34	FENTANYL	25 mcg	×

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

Chart	Procedure	REPAIR UMBILICAL HERNIA 2 / 2 TO STRAPROCTATED/INCARCERATED	Non Class	2
Record Search	anesthesia			
Administrative	Jan 01, 0001	No Valid Date Specified		
H&P	00:00	Assessment and Plan - Anesthesia Technique	General	+
Outcomes	00:00	Misc Note	Placed by Anesthesia Team	+
Labs	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	+
	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



Procedure: Right great toe amputation

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	✕
09:40	FENTANYL	25 mcg	✕
10:34	FENTANYL	25 mcg	✕

	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				

Record Search – Search String Examples

- Example search strings for flagged case review. Copy and paste into “Record Search.” This information can also be found under 'Presets' in the Chart Section. Presets are updated during the MPOG Suite Upgrades. If you are reviewing data and the preset doesn't exist, you can reach out to the Coordinating Center for the search string to use.

- Glucose Measures:

Glucose, insulin, anesthesia start, anesthesia End, dextrose, diabetes, 10796, 10797, 3426, 3361, 3362, 3405, 5003, 5036, 10152, 10153, 10229, 10230, 10231, 10232, 10233, 10460, 10461, 10462, 10465, 10466, 10467, 10468, 10469, 10470, 10471, 10530, 10539, 10548, 10558, 10559, 10588, 10594, 10602, 10659, 10752, 50012, 50304, 6008, 50301, 50443, 50011, 50069, 50110, 50211, 10788, 50016

- 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 | 3415 \ 3435 | 3440 | 3450 | 5005 | 5006 | 5038 | 5080 | 5081 | 10489 | 10490 | 10492 | 10493 | 10494 | 10496 | 10499 | 10616 | 10617 | 10618 | 10658 | 10660 | 10661 | 10017 | 10018 | 10557 | 10454 | 10456 | 10457 | 10354 | 10176 | 10326 | 10175 | 10445 | 10145 | 3502 | 3504 | 3505 | 3510

Administrative

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

Table View

Preferences

Case ID

Institution

Time

Procedure

Demographics

MPOG Patient ID

Diagnosis

burn

AIMS Patient ID

AIMS Case ID

AIMS Encounter ID

AIMS Admission Type

Inpatient

AIMS Surgical Service

Acute Care Surgery

MPOG Surgical Service

General (80006)

Scheduled Time

Date of Birth

Patient Attributes

Gender Identity

(No Data Found)

Legal Sex

Sex at Birth

(No Data Found)

Sexual Orientation

(No Data Found)

Ethnic Group

Race

Patient IDs

Age/Sex/Race

Height/Weight

170.2 cm, 73.9 kg

ASA Class

2

ADT Timeline

Time	Event Type	AIMS ID	Concept	Department	Level of Care	AIMS ID	MPOG Concept	Patient Class	AIMS ID
Jun 11, 2023 12:06	OR								
Locations Level 1 - University of Michigan Health Level 2 - East Level 3 - University of Michigan Medical Center Tag: Facility type - Acute care hospital Level 4 - University Hospital Tag: Facility type - Acute care hospital Level 5 - UH NORA Tag: Other - Offsite anesthesia Level 6 - UH BICU TUB ROOM Tag: Other - Offsite anesthesia									

Mar 16, 2025 17:20

Admission

Admission

Mar 16, 2025 22:39

Transfer Out

Transfer Out

Mar 16, 2025 22:39

Transfer In

Transfer In

Mar 17, 2025 02:32

Discharge

Discharge

Mar 19, 2025 15:47

Hospital Outpatient

Outpatient

Mar 19, 2025 23:59

Discharge

Discharge

Jun 18, 2025 14:59

Hospital Outpatient

Outpatient

Jun 18, 2025 23:59

Discharge

Discharge

Jun 23, 2025 19:15

Hospital Outpatient

Outpatient

Jun 23, 2025 23:59

Discharge

Discharge

Jul 07, 2025 09:32

Admission

Admission

Jul 07, 2025 15:53

Discharge

Discharge

Jul 15, 2025 10:42

Hospital Outpatient

Outpatient

Jul 15, 2025 23:59

Discharge

Discharge

Location Tags

Facility type - Acute care hospital

Other - Offsite anesthesia

Unknown

Unknown

Emergency

Emergency

The Administrative view has information regarding Demographics, Patient Attributes, Location Mapping, and the Admission/Discharge/Transfer (ADT) timeline. PHI has been removed for the purposes of this guide.

Administrative

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

Case ID

Institution

Time

Procedure

Patient IDs

Age/Sex/Race

Height/Weight

ASA Class

Surgical Service

Admission

Room Name

General

Inpatient

Demographics

MPOG Patient ID

Diagnosis

AIMS Patient ID

AIMS Case ID

AIMS Encounter ID

AIMS Admission Type

AIMS Surgical Service

MPOG Surgical Service

Scheduled Time

Date of Birth

Patient Attributes

Gender Identity

Legal Sex

Sex at Birth

Sexual Orientation

Ethnic Group

Race

ADT Timeline

Time	Event Type	AIMS ID	Concept	Department	Level of Care	AIMS ID	MPOG Concept	Patient Class	AIMS ID
Jun 11, 2023 12:06	OR								
	Locations		Level 1 - University of Michigan Health Level 2 - East Level 3 - University of Michigan Medical Center Tag: Facility type - Acute care hospital Level 4 - University Hospital Tag: Facility type - Acute care hospital Level 5 - UH NORA Tag: Other - Offsite anesthesia Level 6 - UH BICU TUB ROOM Tag: Other - Offsite anesthesia				Location Tags	Facility type - Acute care hospital Other - Offsite anesthesia	
Mar 16, 2025 17:20	Admission		Admission				Unknown		
Mar 16, 2025 22:39	Transfer Out		Transfer Out				Unknown		
Mar 16, 2025 22:39	Transfer In		Transfer In				Unknown		
Mar 17, 2025 02:32	Discharge		Discharge				Unknown		
Mar 19, 2025 15:47	Hospital Outpatient		Outpatient				Unknown		
Mar 19, 2025 23:59	Discharge		Discharge				Unknown		
Jun 18, 2025 14:59	Hospital Outpatient		Outpatient				Unknown		
Jun 18, 2025 23:59	Discharge		Discharge				Unknown		
Jun 23, 2025 19:15	Hospital Outpatient		Outpatient				Unknown		
Jun 23, 2025 23:59	Discharge		Discharge				Unknown		
Jul 07, 2025 09:32	Admission		Admission				Unknown		
Jul 07, 2025 15:53	Discharge		Discharge				Unknown		
Jul 15, 2025 10:42	Hospital Outpatient		Outpatient				Unknown		
Jul 15, 2025 23:59	Discharge		Discharge				Unknown		

Location Mapping Details now nested in the ADT Timeline. If your site does not submit ADT data, this section will only show the OR row with the Location Hierarchy below.

If/when your site contributes ADT data (Admission/Discharge/Transfer) it will populate here

Patient Attributes data will populate here. If there is no data, or if your site does not submit Patient Attributes data, it will display 'No Data Found'

Billing

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

Billing

H & P

Outcomes

Labs

Microbiology

Table View

Case ID

Institution

Time

Procedure

Patient IDs

Age/Sex/Race

Height/Weight

ASA Class

Surgical Service

General

Admission

Inpatient

Room Name

Jun 11, 2023 12:06 - Jun 11, 2023 13:17 (1 hours, 11 minutes)

Burn Debridement -

170.2 cm, 73.9 kg

2

Professional Fee Billing

	Code	Description	Type	Case-Linked?	Start Time	End Time	
Procedure Codes (CPT) Required	99285	Unknown Code	Unspecified Professional Fee				
	99222	Unknown Code	Unspecified Professional Fee				
	85025	Unknown Code	Unspecified Professional Fee				
	80053	Unknown Code	Unspecified Professional Fee				
	99285	Unknown Code	Unspecified Professional Fee	Yes			
	99222	Unknown Code	Unspecified Professional Fee	Yes			
	85025	Unknown Code	Unspecified Professional Fee	Yes			
	80053	Unknown Code	Unspecified Professional Fee	Yes			
	99285	Unknown Code	Unspecified Professional Fee				
	99222	Unknown Code	Unspecified Professional Fee				
	85025	Unknown Code	Unspecified Professional Fee				
	80053	Unknown Code	Unspecified Professional Fee				
	99232	Unknown Code	Unspecified Professional Fee				
Diagnosis Codes (ICD-9/10)	J30.9	Allergic rhinitis, unspe	Unspecified Professional Fee				
	J30.89	Other allergic rhinitis	Unspecified Professional Fee				
	J30.81	Allergic rhinitis due to	Unspecified Professional Fee				
	J30.1	Allergic rhinitis due to	Unspecified Professional Fee				
	H10.45	Other chronic allergic	Unspecified Professional Fee				
	477.9	Unknown Code	Unspecified Professional Fee				
Hospital Discharge Billing							
	Code	Description	Type	Start Time	End Time	Present on Admit?	
Diagnosis Codes (ICD-9/10) Required	477.9	Unknown Code	Hospital Discharge				
	477.8	Unknown Code	Hospital Discharge				
	477.2	Unknown Code	Hospital Discharge				
	477	Unknown Code	Hospital Discharge				
	372.14	Unknown Code	Hospital Discharge				
	J30.9	Allergic rhinitis, unspe	Hospital Discharge				
	J30.89	Other allergic rhinitis	Hospital Discharge				
	J30.81	Allergic rhinitis due to	Hospital Discharge				
	J30.1	Allergic rhinitis due to	Hospital Discharge				
	H10.45	Other chronic allergic	Hospital Discharge				
	T78.3XXD	Angioneurotic edema	Hospital Discharge				
	L50.8	Other urticaria	Hospital Discharge				
	J30.81	Allergic rhinitis due to	Hospital Discharge				
Procedure Codes (CPT/ICD9/ICD10)	J7120	Unknown Code	Hospital Discharge				
	J3010	Unknown Code	Hospital Discharge				
	J2795	Unknown Code	Hospital Discharge				
	J2704	Unknown Code	Hospital Discharge				
	J2405	Unknown Code	Hospital Discharge				

Billing data was r

Administrative ta

the new Billing ta

Billing data was removed from the Administrative tab and added to the new Billing tab.

Professional Fee Billing

Procedure Codes (CPT) Required	Code	Description	Type	Case-Linked?	Start Time	End Time
	01230	Anesthesia for open	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00
	20650	Insertion of wire or p	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	27250	Closed treatment of	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	73552	Radiologic examinatio	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	76604	Ultrasound, chest (inc	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	76705	Ultrasound, abdomin	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	93010	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	93308	Echocardiography, tra	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99152	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99153	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99221	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	99285	Unknown Code	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00
	27254	Open treatment of hi	Unspecified Professional Fee	Yes	08-18-2021 00:00	08-21-2021 00:00

Diagnosis Codes (ICD-9/10)	Code	Description	Type	Case-Linked?	Start Time	End Time	Present on Admit?
	S32.421A	Displaced fracture of	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	S72.051A	Unspecified fracture o	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	S72.301A	Unspecified fracture o	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	S73.014A	Posterior dislocation	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	V89.2XXA	Person injured in uns	Anesthesia Professional Fee Data	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes
	D72.829	Elevated white blood	Unspecified Professional Fee	Yes	08-17-2021 00:00	08-21-2021 00:00	Yes

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.

The Diagnosis Codes Sections also have a column that flags diagnoses that were present on admission.

History and Physical

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

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Table View

Preferences

History

Family History

General - Family History of Anesthetic Problems

(None)

Anesth |Family Hx of Anesth Problem

History Of Present Illness

General - Surgical Diagnosis

CAD

OR |Surgical Diagnosis

Past Medical History

General - Past Medical History Free Text Comments

Allergy
Asthma
Cancer (CMS/HCC)
GERD (gastroesophageal reflux disease)
Hodgkin lymphoma (CMS/HCC)
Hyperlipidemia
Melanoma (CMS/HCC)
Seasonal allergies
Varicella

Anes |MiChart Past Medical
Anes |MiChart Past Medical
Anes |MiChart Past Medical
Anes |MiChart Past Medical
Anes |MiChart Past Medical
Anes |MiChart Past Medical
Anes |MiChart Past Medical
Anes |MiChart Past Medical

Past Surgical History

General - Past Surgical History

Cardiac Cath
Skin Cancer Excision
Splenectomy
Tonsillectomy and Adenoidectomy
CAD

Hx |Past Surgical History
Hx |Past Surgical History
Hx |Past Surgical History
Hx |Past Surgical History
OR |Surgical Diagnosis

Social History

History - Social History - General

ALCOHOL: Amount: Low (Occasional)
TOBACCO: Tobacco Use: None

Social |Social History
Social |Social History

Medications

Current

General - Medications - Current

ALBUTEROL SULFATE INHL
ASCORBIC ACID ORAL
ASPIRIN ORAL
CALCIUM ORAL
fluticasone (FLONASE)
fluticasone-salmeterol (ADVAIR DISKUS)
levothyroxine (SYNTHROID)
metoprolol succinate (TOPROL XL)
MULTIVITAMIN ORAL
nitroglycerin (NITROSTAT)
omeprazole (PRILOSEC)
rosuvastatin (CRESTOR)
VITAMIN E ACETATE (VITAMIN E ORAL)

Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications
Meds |Medications

Home

No Data Found

Preop

General - Medications - Anticoagulation
General - Medications - Beta Blocker
General - Medications - Chronic Steroid Use
General - Medications - Infusions

Name: Brilinta (ticagrelor)? Indication: DES to LAD (placed 4/2017)
Yes - Date AND Time of last beta blocker dose (IV or PO)?11/24/2017 05:27
(None)
None

Anes |Anticoagulation geninput
Anes |Beta Blocker Continued
APS |Chronic Steroid Use Hx
Proced |MC Vasoactive Infusions

Review of Systems

MPOG
concept

Value

AIMS
description

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.

- Most cases will show 'No Data Found' for Registry Data. You will only see data here if your site submits this data to MPOG and it is one of the sampled cases from that registry.
- More information can be found on our website at <https://mpog.org/surgicalregistries/>

The screenshot displays the MPOG Outcomes view interface. On the left is a dark blue sidebar with navigation links: Chart, Record Search, Administrative, H & P, Outcomes (highlighted), and Labs. The main content area has a top navigation bar with 'Documented Outcomes' selected. Below this, there are three sections: 'Outcomes', 'Mortality', and 'Registries'. The 'Outcomes' section shows a table with columns for 'Outcome Concept', 'Status', and 'Details'. The 'Mortality' section shows a table with columns for 'Date of Death' and 'Status'. The 'Registries' section shows a table with columns for 'Registry' and 'Status'. All status fields in the 'Mortality' and 'Registries' sections display 'No Data Found'.

Documented Outcomes		
Outcomes	Unmapped Outcome Concept Postoperative visit patient satisfaction score Postoperative Anesthesia Evaluation Complete	Patient unavailable at time of visit 0 = Unable to Assess Postop Anesthesia Evaluation: Assessment of cardiovascular, respiratory, mental functions, temperature, pain, PONV, and hydration is complete. [PHI],[PHI] ([PHI],[PHI])

Mortality	
Date of Death	No Data Found

Registries	
NSQIP	No Data Found
STS General Thoracic	No Data Found
STS Adult Cardiac	No Data Found
STS Congenital Heart	No Data Found
MSQC	No Data Found

Labs

Chart Record Search Administrative H&P Outcomes Labs	Procedure REPAIR UMBILICAL HERNIA > 5 YO 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 03:42	09-01-2019 07:03	09-02-2019 05:01			
Blood Bank	ABO/Rhesus (Rh) Factor													
	Antibody Screen													
Blood Gas	None documented													
Cardiac	Cholesterol	219												
	HDL	53												
	LDL	145												
	Triglycerides	107												
	Alanine Aminotransferase (ALT)	41												
Chemistry	Albumin	4.3												
	Alkaline Phosphatase	101												
	Aspartate Aminotransferase (AST)	23												
	Bilirubin, Total	0.6												
	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

Blood Bank	ABO/Rhesus (Rh) Factor	B Positive								Time	Value	Mapped As										
	Antibody Screen	Negative								06-03-2019 15:43	91	Formal lab - Glucose, Serum/Plasma										
Blood Gas	None documented									08-19-2019 17:19	71	Formal lab - Glucose, Serum/Plasma										
Cardiac	Cholesterol	219								08-28-2019 01:43	105	Formal lab - Glucose, Serum/Plasma										
	HDL	53								08-29-2019 10:10	117	Formal lab - Glucose, Serum/Plasma										
	LDL	145								08-30-2019 05:43	98	Formal lab - Glucose, Serum/Plasma										
	Triglycerides	107								08-31-2019 05:42	100	Formal lab - Glucose, Serum/Plasma										
Chemistry	Alanine Aminotransferase (ALT)	41	54							09-01-2019 07:03	93	Formal lab - Glucose, Serum/Plasma										
	Albumin	4.3	3.6							09-02-2019 05:01	93	Formal lab - Glucose, Serum/Plasma										
	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	8.5													
	Chloride	108	107	106	104	109	108	107	107													
	Creatinine	1.1	1.1	1.1	1.1	1	1	1.3	1													
	Glucose	91	71	105	117	98	100	93	93													
	Lactate	208	1.3			1.2																
	LDH	208																				
	Magnesium						2.2															
	Potassium	4.2	3.7	4.2	4.2	3.9																
	Protein	7.2																				
Sodium	144	142	139	140	141																	
Urea Nitrogen	13	13	13	10	9																	
Coagulation	International Normalized Ratio (INR)	1			1.1																	
	Partial Thromboplastin Time (PTT)	28.3			27.3																	
	Prothrombin Time (PT)	13.1			13.2																	
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2	12.6																
	Hematocrit (HCT)	45.3	44.9	37.6	43.2	39.3																
	Platelets (PLT)	268	272	270	328	289																
	WBC Count	5.9	5.8	11.8	13.8	11.1																
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 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 > 5 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	09-02-2019 05:01				
Blood Bank	ABO/Rhesus (Rh) Factor Antibody Screen	B Positive Negative													
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		8.5				
	Chloride	108	107	108	104		109	108	107		107				
	Creatinine	1.1	1.1	1.1	1.1		1	1	1.3		1				
	Glucose	91	71	105	117		98	100	93		93				
	Lactate	2.8	1.3												
	LDH	208													
	Magnesium						2.2	2	2.1		2.1				
	Potassium	4.2	3.7	4.2	4.2		3.9	4.3	4		3.9				
	Protein	7.2	6.5												
	Sodium	144	142	139	140		141	141	141		139				
	Urea Nitrogen	13	13	13	10		9	7	9		10				
Coagulation	International Normalized Ratio (INR)		1		1.1				1.1		1				
	Partial Thromboplastin Time (PTT)		28.3		27.3						27.5				
	Prothrombin Time (PT)		13.1		13.2				13.2		12.9				
Complete Blood Count	Hemoglobin (HGB)	14.3	14.2	12.2	14.2		12.6	12.5	12.7		11.6				
	Hematocrit (HCT)	45.3	44.9	37.6	43.2		39.3	38.3	38.6		36				
	Platelets (PLT)	268	272	270	328		289	302	323		319				
	WBC Count	5.9	5.8	11.8	13.8		11.1	11.3	11.3		9.9				
Drug Monitoring	None documented														
Endocrine	Hemoglobin A1c	4.7													
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

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
aeffd0cb-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		HYDROMORPHIC
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		Hydrocortisone
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								um
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 0.2
c5ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10206								rolate
c6ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10315								nine
c7ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10335								tron (I
c8ffd0cb-b60c-eb11-910d-005056b4993c	07b7f25e-17fb-ea11-910c-005056b4993c	10219								orphor

Table View

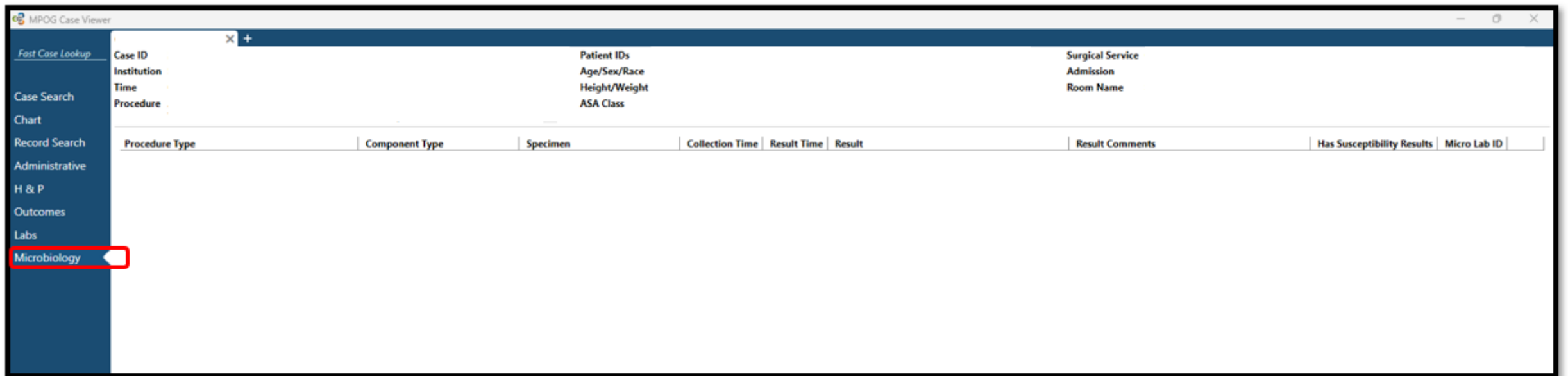
Table view displays all data submitted to MPOG central that was documented for a particular case regardless of if it was mapped to an MPOG concept or not. The dropdown menu allows to view data in specific storage tables.

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

Microbiology

Adding microbiology lab data is currently optional for participation with MPOG and requires a supplemental extract to include.

If your site does not extract this data, you will not see microbiology values in Case Viewer.



The screenshot shows the MPOG Case Viewer application. On the left is a dark blue sidebar with a list of navigation items: Fast Case Lookup, Case Search, Chart, Record Search, Administrative, H & P, Outcomes, Labs, and Microbiology. The Microbiology item is highlighted with a red rectangle and a white arrow pointing to it. The main content area is white and contains a header section with three columns: Case ID, Patient IDs, and Surgical Service. Below the header is a table with columns: Procedure Type, Component Type, Specimen, Collection Time, Result Time, Result, Result Comments, Has Susceptibility Results, and Micro Lab ID. The table is currently empty.

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

Procedure Type	Component Type	Specimen	Collection Time	Result Time	Result	Result Comments	Has Susceptibility Results	Micro Lab ID
----------------	----------------	----------	-----------------	-------------	--------	-----------------	----------------------------	--------------

Microbiology

Fast Case Lookup

Case Search

Chart

Record Search

Administrative

H & P

Outcomes

Labs

Microbiology

Case ID

Institution

Time

Procedure

May 22, 2023 12:00 - May 22, 2023 13:37 (1 hours, 37 minutes)

MR HEAD GENERAL ANESTHESIA

Patient IDs

Age/Sex/Race

Height/Weight

ASA Class

cm, 53.7 kg

2

Surgical Service

Admission

Room Name

Radiology - Unspecified

Procedure Type	Component Type	Specimen	Collection Time	Result Time	Result	Result Comments	Has Susceptibility Results
Unmapped Variable	Component - Gram Stain	Unmapped Variable	Jun 06, 2023 03:50	Jun 09, 2023 03:26	mononuclear leucocytes, No organisms seen, polymorphonuclear leucocytes	mononuclear leucocytes, No organisms seen, polymorphonuclear leucocytes	False
Culture - Blood	Component - Culture/Smear	Specimen - Blood	Sep 14, 2023 09:15	Sep 19, 2023 11:17	Culture yields no growth.		True
Culture - Urine	Component - Culture/Smear	Specimen - Urine, catheterized	Mar 21, 2024 05:31	Mar 22, 2024 04:51	Culture yields no growth.		True
Culture - Blood	Component - Culture/Smear	Specimen - Blood	Mar 24, 2024 07:43	Mar 29, 2024 08:17	Culture yields no growth.		True
Culture - Respiratory	Component - Culture/Smear	Unmapped Variable	Mar 26, 2024 03:47	Mar 29, 2024 02:40	Staphylococcus aureus	Numerous	True
Culture - Respiratory	Component - Gram Stain	Unmapped Variable	Mar 26, 2024 03:47	Mar 29, 2024 02:40	Numerous gram positive cocci in clusters, Numerous polymorphonuclear leucocytes, Rare squamous epithelial cells, Specimen has been screened and is acceptable for culture.	Numerous gram positive cocci in clusters, Numerous polymorphonuclear leucocytes, Rare squamous epithelial cells, Specimen has been screened and is acceptable for culture.	False
Culture - Respiratory	Component - Culture/Smear	Specimen - Sputum, aspirated	Mar 24, 2024 08:33	Mar 29, 2024 02:47	Staphylococcus aureus	Numerous	True
Result - Staphylococcus Aureus	Sensitivity - Clindamycin				Resistant		
Result - Staphylococcus Aureus	Sensitivity - Doxycycline	<=2	mcg/mL		Susceptible		
Result - Staphylococcus Aureus	Sensitivity - Linezolid	2	mcg/mL		Susceptible		
Result - Staphylococcus Aureus	Sensitivity - Methicillin	0.5	mcg/mL		Susceptible		
Result - Staphylococcus Aureus	Sensitivity - Trimethoprim / Sulfa	<=2	mcg/mL		Susceptible		
Result - Staphylococcus Aureus	Sensitivity - Vancomycin	1	mcg/mL		Susceptible		
Culture - Respiratory	Component - Gram Stain	Specimen - Sputum, aspirated	Mar 24, 2024 08:33	Mar 29, 2024 02:47	commensal flora, Moderate gram positive cocci, Moderate polymorphonuclear leucocytes, Specimen has been screened and is acceptable for culture, This mixed Gram stain may indicate the presence of oropharyngeal		

If 'Has Susceptibility Results' is True, click on the row to see more details

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

