MPOG Upgrade Release Notes
April 1, 2020

Sections Updated

1. Case Validation
2. Data Diagnostics
3. Import Manager Assistant
4. Case Viewer 2.0

1. Case Validation

Overview

A. Sections were reordered by topics to assist case reviewers
B. Remove questions
C. New neuraxial / regional question
D. Postoperative recover question fixed
E. Postop physiologic
F. Intraop infusions

A. Sections were reordered by topic to assist case reviewers:
   – Case Information
   – Times
   – Staff
   – Physiologic
   – Medications
   – Labs

<table>
<thead>
<tr>
<th>Questions for Validation</th>
<th>No Time Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Information</td>
<td>From 4 Hours Before Anesthesia Start to Anesthesia Start</td>
</tr>
<tr>
<td>Perioperative Times</td>
<td>From 4 Hours Before Anesthesia Start to Anesthesia End + 6 Hours</td>
</tr>
<tr>
<td>Intraop Staff</td>
<td>No Time Restriction</td>
</tr>
<tr>
<td>Preop Physiologic</td>
<td>From Anesthesia Start to Patient Out of Room</td>
</tr>
<tr>
<td>Intraop Physiologic</td>
<td>From Anesthesia Start to Patient Out of Room</td>
</tr>
<tr>
<td>Postop Physiologic</td>
<td>From Patient Out of Room to Anesthesia End + 6 Hours</td>
</tr>
<tr>
<td>Preop Medications</td>
<td>From 4 Hours Before Anesthesia Start to Anesthesia Start</td>
</tr>
<tr>
<td>Intraop Medications and Fluids</td>
<td>From Anesthesia Start to Patient Out of Room</td>
</tr>
<tr>
<td>Postop Medications</td>
<td>From Patient Out of Room to Anesthesia End + 6 Hours</td>
</tr>
<tr>
<td>Labs</td>
<td>From Day Before to Day After</td>
</tr>
</tbody>
</table>
B. Remove questions
   - Preop (home) medications
   - General anesthesiology

C. New neuraxial / regional question

| Did this patient receive an neuraxial anesthetic? | Yes | No |

D. Postoperative recover question fixed
   - If postop recovery location concepts were NOT documented, case validation will ask: *Was the patient transferred somewhere other than the recovery room?*
   - Postop Recovery Concepts considered:
     - 50011 (recovery room out)
     - 50067 (phase I out)
     - 50069 (phase II out)

E. Postop physiologic
   - Specifies source (invasive vs. non-invasive) for postop physiologic blood pressure question

<table>
<thead>
<tr>
<th>Postop Physiologic</th>
<th>From Patient Out of Room to Anesthesia End + 6 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was the non-invasive systolic blood pressure 106 at 12:48?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

F. Intraop Infusions
   - More specific wording for intraop fluid question- *Were the following infusions started during this time period (Anesthesia Start to Patient out of room)*

<table>
<thead>
<tr>
<th>Were the following infusions started during this time period:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEXMEDETOMidINE</td>
</tr>
<tr>
<td>ESMOLol</td>
</tr>
<tr>
<td>MORPHINE</td>
</tr>
<tr>
<td>TRANEXAMIC ACID</td>
</tr>
<tr>
<td>VASOPRESSIN</td>
</tr>
</tbody>
</table>
2. Data diagnostics

Overview

A. Added free text search filter
B. Updated aesthetic – vertical guide allows for easier data point selection
C. “Diagnostic Executed On” now includes time
D. Various bug fixes
3. Import Manager Assistant

**Overview**

A. AIMS System Filter
B. Sorting by Module
C. Green / Grey boxes
4. Case Viewer Changes

Overview

A. Now only one case viewer option
B. ‘Find a Case’ renamed to ‘Case Search’
C. New: Age Filter
D. Notes Section now automatically opens on the right when opening a case
E. Date of Death now appears in header (if known)
F. New arrow collapses blue pane (if needed)
G. New: Copy buttons for MPOG Case ID and MRN
H. New: Reference line on graph
I. Sections remain open
J. Presets updated to include Preop and PACU
K. Blue “linked” text now in the “Mapped As” Column
L. Not entered time
M. Parent and child note details
N. Multiple Headers
O. Chart review
P. Record Search
Q. Hide data in preferences tab

A. Now only one case viewer option
B. ‘Find a Case’ renamed to ‘Case Search’

NOTE: Click this tab to return to case search list

C. New: Age Filter

**Browse for Cases**

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

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

**Filter Shortcuts**

<table>
<thead>
<tr>
<th>Case Type</th>
<th>Patient Age</th>
<th>Date of Surgery</th>
<th>Recently Opened</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABG</td>
<td>Pediatric</td>
<td>March 2020</td>
<td>Today</td>
</tr>
<tr>
<td>Knee Arthroplasty</td>
<td>Adult</td>
<td>February 2020</td>
<td>Yesterday</td>
</tr>
<tr>
<td>Labor Epidural</td>
<td></td>
<td>January 2020</td>
<td>This Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Year to Date</td>
<td>Last Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>March 2020</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>February 2020</td>
</tr>
</tbody>
</table>

D. Notes Section now automatically opens on the right when opening a case
E. Date of Death now appears in header (if known)

F. New arrow collapses blue pane (if needed)

![Image showing a blue pane with an arrow]

G. New: Copy buttons for MPOG Case ID and MRN

![Image showing a table with copy buttons]

H. New: Reference line on graph
   a. Choosing “Show Reference Line” adds an adjustable horizontal line across the grid
   b. This can be adjusted by clicking moving up or down

![Image showing a graph with a reference line and an arrow indicating adjustment]
I. Sections remain open
   a. When “Sections” (PONV, GLU, etc) are turned on, those sections will remain open when scrolling through a case list imported via the case list import on the first tab

J. Presets updated to include Preop and PACU
K. Blue “linked” text now in the “Mapped As” Column
   a. Data in this field can also now be sorted by clicking on the column header
   b. Columns have been reordered and improvements made to spacing

<table>
<thead>
<tr>
<th>Time</th>
<th>Mapped As</th>
<th>Value</th>
<th>Original Variable</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-01-2019 06:10</td>
<td>Sys Non-invasive</td>
<td>114</td>
<td>2100310150</td>
</tr>
<tr>
<td>12-01-2019 08:08</td>
<td>BP Sys Non-invasive</td>
<td>109</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:12</td>
<td>BP Sys Non-invasive</td>
<td>109</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:15</td>
<td>BP Sys Non-invasive</td>
<td>118</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:18</td>
<td>BP Sys Non-invasive</td>
<td>84</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:21</td>
<td>BP Sys Non-invasive</td>
<td>88</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:24</td>
<td>BP Sys Non-invasive</td>
<td>93</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:27</td>
<td>BP Sys Non-invasive</td>
<td>93</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:30</td>
<td>BP Sys Non-invasive</td>
<td>93</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:33</td>
<td>BP Sys Non-invasive</td>
<td>105</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:36</td>
<td>BP Sys Non-invasive</td>
<td>107</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:39</td>
<td>BP Sys Non-invasive</td>
<td>97</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:42</td>
<td>BP Sys Non-invasive</td>
<td>106</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:45</td>
<td>BP Sys Non-invasive</td>
<td>106</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 08:48</td>
<td>BP Sys Non-invasive</td>
<td>109</td>
<td>7</td>
</tr>
<tr>
<td>12-01-2019 09:00</td>
<td>BP Sys Non-invasive</td>
<td>115</td>
<td>7</td>
</tr>
</tbody>
</table>

Values sorted in order
L. Not entered time
   a. When applicable, the note entered time is available at the bottom of the yellow pane to compare differences between Observed Time and Entered Time
   b. Observed Time- The time the event/note happened
   c. Entered Time- The time the user entered in the information into the EHR
M. Parent and child note details
   a. Bolded “parent” notes have associated “child” detail notes. Clicking on a bolded note will give the additional details as well
N. Multiple Headers
   a. Holding down ‘Shift’ and selecting multiple headers will open those headers together in the notes pane
O. Chart review
   a. Data can be copied out of the yellow pane and pasted into Excel for purposes of chart review
      a) Highlight desired rows
      b) Use Ctrl + C to copy
      c) Use Ctrl + V to paste in Excel
P. Record Search
   a. New ability to multi-select for shopping cart and search by MPOG Case ID
   b. 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 |
   c. Ex: 50002 | 50003 | Propofol | lactated ringers
      i. This will pull in everything mapped to those two concept IDs and
         everything including the words ‘propofol’ and ‘lactated ringers’
   d. Users can copy and paste select information from the “Shopping Cart” into an
      Excel file if needed
   e. Select the desired rows and use Ctrl + C to copy information
   f. In an Excel spreadsheet, Paste the information
Q. Hide data in preferences tab
   a. Ability to hide deleted data in preferences tab on bottom left
   b. Values marked as “Artifact” are not shown when the option to not show Deleted data is selected

Any questions, please contact support@mpog.zendesk.com