



ImageTrend Elite Clinical Release Notes
7 September 2022

The GMR ImageTrend Support Team released an update to the Elite System on September 7, 2022.

All iPads will need be connected to the internet and a Sync of All Resources (Settings/Sync All Resources) will have to be completed to receive the update.

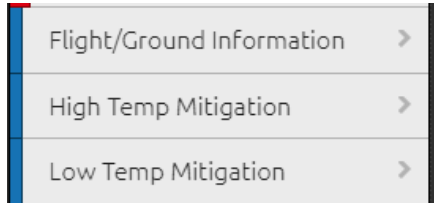
For support, please utilize the GMR ImageTrend Support Site.

<https://amgh.kayako.com>

Air Template Update

High and Low Temp Mitigation Documentation and Requirement

New sections in Elite have been added in the Transport/Destination Section under Flight/Ground Information for High and Low Temperature Mitigation Documentation required by CAMTS:



High Temp Mitigation

High Temperature Mitigation Needed for Cabin Temp >95 degrees F

High Cabin Temperature Mitigation:

Sheet/shading for sun protection	Air vents/accessible window (if possible) opened
Cool packs	Aircraft A/C
No mitigation	

Low Temp Mitigation

Low Temperature Mitigation Needed for Cabin Temp <50 degrees F

Low Cabin Temperature Mitigation:

Aircraft Heater	Blankets	Head Covering
Warmed Fluids	No mitigation	

High Temperature Mitigation Documentation

When a cabin temperature above 95 degrees is documented, mitigation documentation will be required in the appropriate section.

Flight/Ground Information

+ Add Another **✓ OK** **✕ Cancel**

Date:

Ambient Temp C: °F

°C

High Temperature Mitigation Panel Needed for Cabin Temp >95 degrees F (Error: 1052)

30 **High Temperature Mitigation Needed for Cabin Temp >95 degrees F**
High Temperature Mitigation Panel Needed for Cabin Temp >95 degrees F (Error: 1052) **→**

The requirement will be satisfied once the mitigation has been documented:

Find field... Save Print PDF CAD EKG Transfers Messages (0) Close

High Temp Mitigation

High Temperature Mitigation Needed for Cabin Temp >95 degrees F

High Cabin Temperature Mitigation:

- Sheet/shading for sun protection
- Air vents/accessible window (if possible) opened
- Cool packs
- Aircraft A/C
- No mitigation

Low Temperature Mitigation Documentation

When a cabin temperature below 50 degrees is documented, mitigation documentation will be required in the appropriate section.

Flight/Ground Information

Date:

Ambient Temp C: °F

°C

Low Temperature Mitigation Panel Needed for Cabin Temp <50 degrees F (Error: 1053)

30 **Low Temperature Mitigation Needed for Cabin Temp <50 degrees F**
Low Temperature Mitigation Panel Needed for Cabin Temp <50 degrees F (Error: 1053)

The requirement will be satisfied once the mitigation has been documented:

Find field...

Save Print PDF CAD EKG Transfers Messages (0) Close

Low Temp Mitigation

Low Temperature Mitigation Needed for Cabin Temp <50 degrees F

Low Cabin Temperature Mitigation:

- Aircraft Heater
- Blankets
- Head Covering
- Warmed Fluids
- No mitigation

! Incident Details

! Dispatch

! Scene/Referring

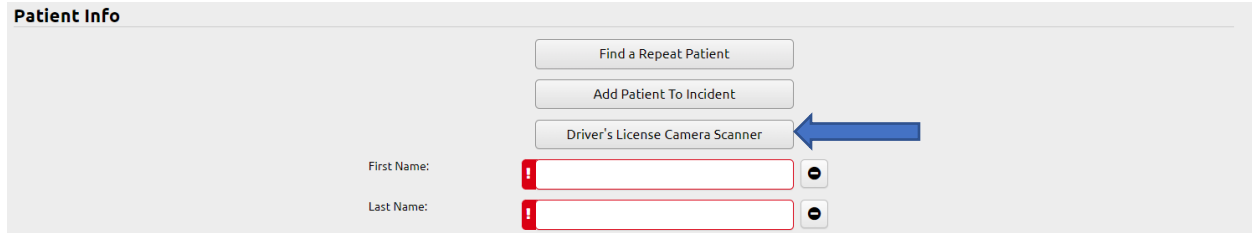
! Transport/Destination Info

- ! Transport Info
- ! Destination Name
- ! Destination Info
- Flight/Ground Information
- High Temp Mitigation
- Low Temp Mitigation

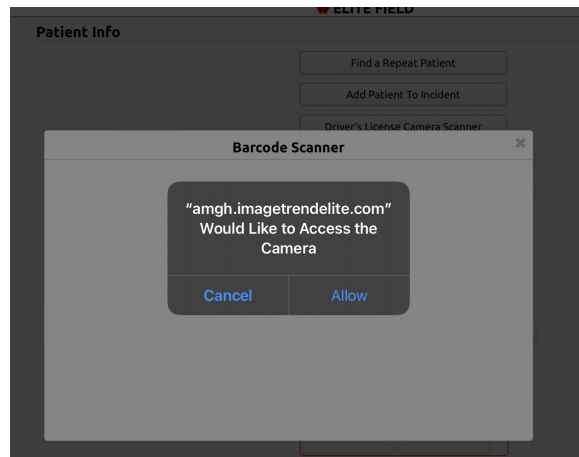
Driver's License Barcode Scanner Update

The Elite Utility Tool is no longer required for scanning. The updated tool is quick and easy.

1. Click the Driver's License Camera Scanner Button

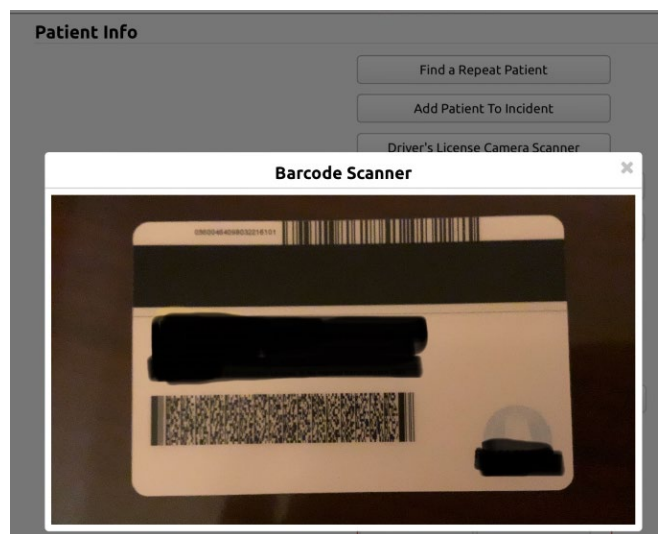


2. If prompted click "Allow" to grant the iPad camera access to the application.

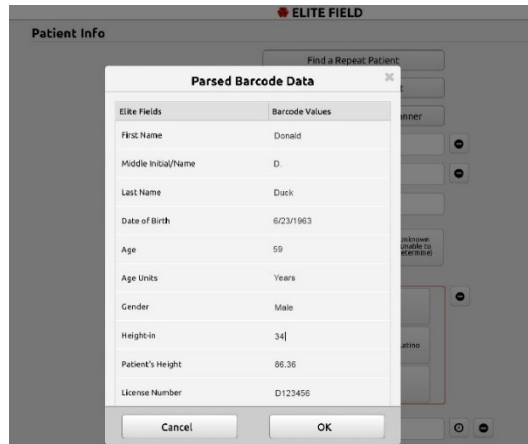


NOTE: If access is not granted then the history and web data will have to be deleted and a full resync of resources will need to be done to restore this feature.

3. Scan the Driver's License Barcode



4. Review the data.



5. Click OK to move the data into the chart

Patient Info

Find a Repeat Patient

Add Patient To Incident

Driver's License Camera Scanner

First Name: Donald

Last Name: Duck

Middle Initial/Name: D.

Gender: Female Male Unknown (Unable to Determine)

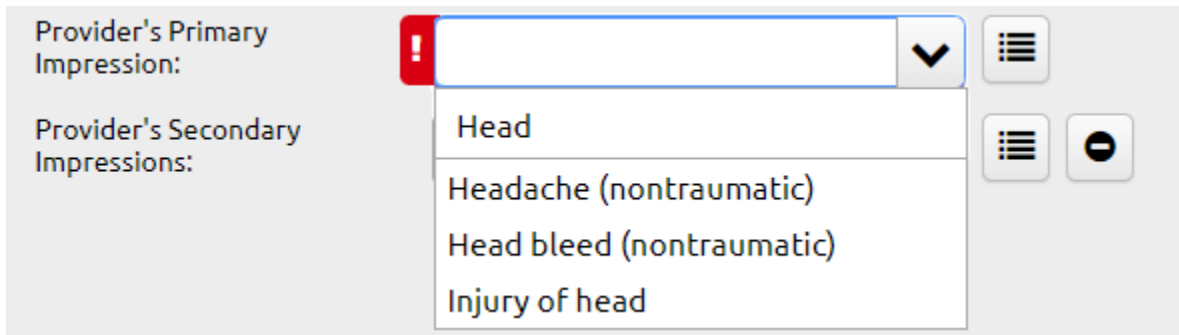
Race: American Indian or Alaska Native Asian Black or African American Hispanic or Latino Native Hawaiian or Other Pacific Islander White

Date of Birth: 06/23/1963

Age: 59

Primary/Secondary Impressions

Clarification had to be added to the following impressions due to State NEMSIS requirements.



The screenshot shows a user interface for entering impressions. On the left, there are two labels: 'Provider's Primary Impression:' and 'Provider's Secondary Impressions:'. To the right of these labels is a dropdown menu. The dropdown menu is currently open, displaying a list of options: 'Head', 'Headache (nontraumatic)', 'Head bleed (nontraumatic)', and 'Injury of head'. A red warning icon is visible next to the dropdown field. To the right of the dropdown menu are two icons: a list icon and a circular icon with a minus sign.

Headache and Head bleed should not be used for trauma related patients.

Zoll Vital Sign Import Settings

Zoll and ImageTrend have corrected an issue where invasive line data was creating multiple entries per minute when importing vital signs. Now that this has been corrected the import settings has been updated to create a vital sign entry every time a NIBP is taken with a default of every 5 minutes.

Updated Cardiac Arrest Validation Rules

Due to State Requirements the following fields are now required when the patient is in arrest:

1. *First Monitored Arrest Rhythm of the Patient*
2. *Any Return of Spontaneous Circulation / Date and Time is required if ROSC is documented*
3. *Date/Time Resuscitation Discontinued if Reason CPR/Resuscitation Discontinued is documented*

NOTE: The Cardiac Arrest section is for arrests that occur from the time of call until you transfer care. Also, if this EMS event is for an interfacility transfer of a patient with a recent history of a cardiac arrest with ROSC, and who does not experience another cardiac arrest during transport, then do not document Cardiac Arrest (eArrest.01) with "Yes, Prior to EMS Arrival"

For patients picked up in Arkansas: Update to Trauma Center Criteria

The State of Arkansas is requiring specific Trauma Center Criteria (see graphic to the right) when “Major” is selected for Trauma Severity Level.

Trauma Severity Level:

Major	Moderate	Minor
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Current Field (MultiSelect) ✕
Trauma Center Criteria

Search values...

↓^A/₂ Alpha Ascend ↓^Z/_A Alpha Descend

Select an Item

- All penetrating injuries to head, neck, torso, and extremities proximal to elbow or knee
- Amputation proximal to wrist or ankle
- Chest wall instability or deformity (e.g., flail chest)
- Crushed, degloved, mangled, or pulseless extremity
- Glasgow Coma Score <= 13
- Open or depressed skull fracture
- Paralysis
- Pelvic fractures
- Respiratory Rate <10 or >29 breaths per minute (<20 in infants aged <1 year) or need for ventilatory support
- Systolic Blood Pressure <90 mmHg
- Two or more proximal long-bone fractures

Power Tools Update

CPR Power Tools

Both Manual and Mechanical CPR Power Tools are now available.



The screenshot shows the "CPR - Manual" Power Tool interface. At the top, there is a header bar with a "CPR - Manual" title and a "Power Tool" subtitle. Below the header is a control bar with buttons for "OK", "Cancel", "Delete", and "Repeat Last". To the right of these buttons is a timer showing "02:00" and "START" and "RESET" buttons. The main area is titled "Procedures" and contains several sections: "Procedure Performed Prior to this Units EMS Care" with a "No" button and a "Search Procedure Performed Prior" button; "Date/Time Procedure Performed" with input fields for date and time and a search icon; "Procedure Crew Members ID" with buttons for "Medic, Demo", "Other, Healthcare Provider", "Other, Pre-Hospital Personnel", and "Partner, James"; and "CPR - Manual" with a "CPR - Manual" button and a "Search CPR - Manual" button.



The screenshot shows the "CPR - Mechanical Device" Power Tool interface. It has a similar layout to the manual version. The header bar includes "CPR - Mechanical Device" and "Power Tool". The control bar features "OK", "Cancel", "Delete", and "Repeat Last" buttons, along with a timer showing "02:00" and "START" and "RESET" buttons. The "Procedures" section includes: "Procedure Performed Prior to this Units EMS Care" with a "No" button and a "Search Procedure Performed Prior" button; "Date/Time Procedure Performed" with input fields and a search icon; "Procedure Crew Members ID" with buttons for "Medic, Demo", "Other, Healthcare Provider", "Other, Pre-Hospital Personnel", and "Partner, James"; and "CPR - Mechanical Device" with a "CPR - Mechanical Device" button and a "Search CPR - Mechanical Device" button.

New Lab Values

Troponin T has been added to the Cardiac Labs Power Tool

The screenshot shows the 'Cardiac Labs Power Tool' interface. At the top, there is a header with a flask icon and the text 'Cardiac Labs Power Tool'. Below the header is a control bar with four buttons: 'OK' (with a green checkmark), 'Cancel' (with a red X), 'Delete' (with a trash can icon), and 'Repeat Last' (with a circular arrow icon). The main area is titled 'Labs' and contains four rows of input fields, each with a colored vertical bar on the left: 'Troponin' (blue bar), 'Troponin T (cTnT)' (green bar), 'Creatine Kinase' (orange bar), and 'Creatine Kinase-MB' (purple bar).

Procalcitonin has been added to the Misc Labs Power Tool

The screenshot shows the 'Misc Labs Power Tool' interface. At the top, there is a header with a flask icon and the text 'Misc Labs Power Tool'. Below the header is a control bar with four buttons: 'OK' (with a green checkmark), 'Cancel' (with a red X), 'Delete' (with a trash can icon), and 'Repeat Last' (with a circular arrow icon). The main area contains three rows of input fields, each with a colored vertical bar on the left: 'Potassium' (blue bar), 'Procalcitonin' (green bar), and 'Protein' (orange bar).

Updated Zoll Vital Sign Power Tool

Pain Score/Scale and GCS has been added



The screenshot shows the 'Zoll Vital Sign Power Tool' interface. At the top, there are buttons for 'OK', 'Cancel', 'Delete', and 'Repeat Last'. Below this is a 'Temperature' section with a 'Favorites' tab and a list of methods: Temporal Artery, Oral, Esophageal, Rectal, Urinary Catheter, Axillary, Central (Venous or Arterial), Skin Probe, Tympanic, and No Touch (e.g., Infrared). A search bar for 'Temperature Method' is also present. The 'Pain Scale Score' section includes a 'Pain Scale Type' dropdown and buttons for 'Numeric', 'Wong-Baker (FACES)', 'FLACC', 'PIPP', 'Critical-Care Pain Observation Tool (CPO)', 'N-PASS', and 'Other'. The 'Glasgow Coma Score' section is divided into three parts: 'Glasgow Coma Score-Eye' (4 - Opens Eyes spontaneously, 3 - Opens Eyes to verbal stimulation, 2 - Opens Eyes to painful stimulation, 1 - No eye movement when assessed), 'Glasgow Coma Score-Verbal' (5 - Oriented (>2 Years); Smiles, oriented to sounds, 4 - Confused (>2 Years); Cries but is consolable, 3 - Inappropriate words (>2 Years); Inconsistently, 2 - Incomprehensible sounds (>2 Years); Inconsolable, agitated, 1 - No verbal/vocal response (All Age Groups)), and 'Glasgow Coma Score-Motor' (6 - Obeys commands (>2 Years); Appropriate response, 5 - Localizing pain (All Age Groups), 4 - Withdrawal from pain (All Age Groups), 3 - Flexion to pain, 2 - Extension to pain, 1 - No Motor Response). At the bottom, there is a 'Total Glasgow Coma Score' field and a 'Glasgow Coma Score-Qualifier' section with buttons for 'GCS has legitimate values without interventions', 'Patient Chemically Paralyzed', 'Patient Chemically Sedated', and 'Patient Intubated'.

Updated Airway Confirmation V1 Power Tool

Tube Size has been added

The screenshot shows the 'Airway Confirmation V1 Power Tool' interface. At the top, there are buttons for 'OK', 'Cancel', 'Delete', and 'Repeat Last'. Below this is an 'Airway Confirmed Method' section with buttons for 'Auscultation', 'Bulb/Syringe Aspiration', 'Chest Rise', 'Colorimetric ETCO2', and 'Other'. The 'Tube Size' section has a text input field. The 'Tube Depth' section has a text input field.

Worksheet Update

Impella Worksheet

A new Impella Worksheet has been added to the Worksheet Section.



Impella		
Assessment		
Question	Answer	Notes
Impella Type	2.5	
Insertion Site	Test	
Distal Circulation Insertion Limb	Intact	
Insertion Limb Immobilized? (complete splinting procedure also.)	Yes	
Impella Catheter placement ECHO performed?	Yes	
TUOHY-Borst Valve locked?	Yes	
Catheter insertion point in cm	Test	
Head of Bed elevation LESS THAN 30 degrees?	Yes	
Insertion site intact and not oozing	Yes	
Urine appearance	Test	
Insertion limb SpO2	Test	
Impella Operation		
Question	Answer	Notes
Placement Signal ____/____ mmHg	Test	
Motor Current ____/____ mA	Test	
Impella Flow in LPM	Test	
Type of Purge Flow Fluid	Test	
Purge Flow ____ mL/Hour	Test	
Purge Pressure ____ mmHg	Test	
P-Setting	P-Boost	
Comments		
Question	Answer	Notes
Comments	Test	