

TEE Preliminary Form

Record ID

Clinician Operator Information

Level of operator performing TEE

- Attending physician
- Fellow
- Resident
- Other

Please describe other TEE operator level:

Specialty of operator performing TEE

- Emergency Medicine
- Intensive Care
- Cardiology
- Anesthesiology
- Other

Please describe other operator specialty:

Clinical unit

- Emergency Department
- Intensive Care Unit
- Operating Room
- Ward
- Prehospital
- Other

Please describe other clinical unit:

Patient Information

Which of the following patient information are known and available?

- Age
- Biological Sex
- Race
- Height
- Weight

- Age
- Biological Sex
- Race
- Height
- Weight
- None of the above

Age (years)

_____ (Enter value only)

Biological Sex

- Male
 - Female
- (Sex at birth)

Race

- Native American/Alaska Native
- Native Hawaiian/Other Pacific Islander
- Asian
- Black or African American
- Latinx
- Mixed Heritage
- White
- Unknown
- Decline to answer

Height (inches)

(Enter value only)

Weight (kg)

(Enter value only)

Does the patient have any of the following medical histories?

- Yes
- No
- Unknown

Coronary artery disease (CAD)
Congestive heart failure (CHF)
Chronic kidney disease (CKD)
Diabetes mellitus (DM)
Previous myocardial infarction (pMI)
Ventricular assist device (VAD)
Implantable cardioverter defibrillator (ICD)
Hypertension (HTN)
Chronic obstructive pulmonary disease (COPD)
Pulmonary hypertension (pHTN)
Esophageal varices (EV)
Other relevant history

Medical History
(Choose all that apply)

- CAD
- CHF
- CKD
- DM
- pMI
- VAD
- ICD
- HTN
- COPD
- pHTN
- EV
- Other relevant history (e.g. recent surgery, etc)

Coronary artery disease (CAD)
Congestive heart failure (CHF)
Chronic kidney disease (CKD)
Diabetes mellitus (DM)
Previous myocardial infarction (pMI)
Ventricular assist device (VAD)
Implantable cardioverter defibrillator (ICD)
Hypertension (HTN)
Chronic obstructive pulmonary disease (COPD)
Pulmonary hypertension (pHTN)
Esophageal varices (EV)

Other medical history relevant to current hospital visit / event not listed above:

Were any of the laboratory values obtained for this patient?

Yes No

Prothrombin time (PT)
 Partial thromboplastin time (PTT)
 International normalized ratio (INR)
 Platelet count

Which of the following values were obtained?

- PT
 PTT
 INR
 Platelet count

Prothrombin time (PT)
 Partial thromboplastin time (PTT)
 International normalized ratio (INR)
 Platelet count

Prothrombin time (PT; seconds)

 (Enter value only)

Partial thromboplastin time (PTT; seconds)

 (Enter value only)

International normalized ratio (INR)

 (Enter value only)

Platelet count (per mL)

- 0 - 10,000
 10,001 - 20,000
 20,001 - 30,000
 30,001 - 40,000
 40,001 - 50,000
 50,001 - 100,000
 100,001 - 150,000
 > 150,000

Does the patient have any C-spine mobility limitations (i.e. trauma)?

Yes No Unknown

Procedure Information

TEE Indication
 Note: This question will determine form for subsequent sections

- Intra-arrest evaluation in OHCA
 Post-arrest evaluation in OHCA
 Intra-arrest evaluation in IHCA
 Post-arrest evaluation in IHCA
 Initial evaluation of undifferentiated shock or acute hypotension
 Hemodynamic monitoring in critically-ill patient
 Procedural guidance

Procedure time of initiation

 (Format M-D-Y HH:MM (24hr))

Procedure duration (minutes)

 (Enter value only)

Were any pre-procedure interventions administered? Yes No

Pre-procedure interventions Endotracheal intubation
 Sedation
 Muscle relaxation
 Nasogastric or orogastric tube placement
 Other

Please describe any other pre-procedure interventions:

Probe Insertion

Technique used No laryngoscope used for insertion
 Direct laryngoscopy used for insertion
 Video laryngoscopy used for insertion

Number of probe insertion attempts, including successful insertion attempt _____
(Enter value only)

Were any immediate complications detected during TEE probe insertion? Yes No

Immediate complications detected during probe insertion: Pharyngeal bleed
 Endotracheal tube dislodgement during TEE insertion
 Endotracheal tube cuff rupture during TEE insertion
 Other

Describe other immediate complication during probe insertion:

Out-of-hospital Arrest Prehospital Process

Questions in this form will only appear if you selected "Intra-arrest evaluation in OHCA" or "Post-arrest evaluation in OHCA" when answering the "TEE indication" question in the preliminary form.

You selected: "[tee_indication]."

If this is the correct TEE indication and you do not see any questions on this form, please mark this form as "Complete" and proceed to the next form. If this is incorrect, please return to the preliminary form and correct the answers provided to "TEE indication."

Arrest Location	<input type="radio"/> Home/Residence (e.g. home, apt, backyard of home) <input type="radio"/> Public area (e.g. street, park, shopping center) <input type="radio"/> EMS Transport to ED <input type="radio"/> Other (e.g. hotel, private office, long term facility) <input type="radio"/> Unknown
Witnessed Arrest	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Bystander CPR	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Is the exact time of arrest known?	<input type="radio"/> Yes <input type="radio"/> No
Exact time of arrest	<input type="text"/> (Exact time (HH:MM) of arrest)
Exact downtime (minutes)	<input type="text"/> (Exact downtime)
Is the approximate time of arrest known?	<input type="radio"/> Yes <input type="radio"/> No
Approximate time of arrest	<input type="text"/> (Approximate time (HH:MM) of arrest)
Approximate downtime (minutes)	<input type="text"/> (Approximate downtime)
First documented pre-hospital pulseless cardiac rhythm	<input type="radio"/> Asystole <input type="radio"/> Pulseless Electrical Activity (PEA) <input type="radio"/> Pulseless Ventricular Tachycardia (pVT) <input type="radio"/> Ventricular Fibrillation (VF) <input type="radio"/> Unknown Shockable <input type="radio"/> Unknown Non-shockable <input type="radio"/> Unknown
Level of Emergency Medical Services (EMS)	<input type="radio"/> Advanced Life Support (ALS) <input type="radio"/> Basic Life Support (BLS) <input type="radio"/> No EMS (i.e. arrest in ED or patient brought in by police or family) <input type="radio"/> Unknown

Chest compressions performed by EMS? Yes No Unknown

Defibrillation performed by EMS? Yes No Unknown

Are the pre-hospital airway interventions known? Yes No

Prehospital airway interventions
 Valve-mask Ventilation
 Supraglottic airway (i.e. LMA, Combitube)
 Endotracheal intubation in the field

Number of epinephrine doses (boluses) given by EMS:
 0
 1
 2
 3
 4
 5
 6
 7
 8
 9
 Unknown
 (How many doses of Epi were given by EMS (if any)?)

Epinephrine route of administration
 Intravenous (IV) Intraosseous (IO)
 (By what route was epinephrine administered by EMS?)

Were any other drug interventions provided by EMS/in the prehospital process? Yes No Unknown

Other drug interventions
 Intravenous fluids
 Antiarrhythmic medications
 Vasopressors (Epinephrine infusion)
 Atropine
 Other

Please list other drug interventions provided by EMS:

 (Other drugs provided, if not listed above.)

Were any of the following CPR parameters recorded by EMS?
 Yes
 No
 Unknown

End-tidal CO2
 Chest compression depth
 Chest compression rate
 Chest compression fraction

If so, which of the CPR quality parameters were recorded by EMS?
 End-tidal CO2
 Chest compression depth
 Chest compression rate
 Chest compression fraction

EMS End-tidal CO2 Value 1 (mmHg)

 (First EMS ETCO2 value)

Time of EMS ETCO2 Value 1 Reading

_____ (The first time ETCO2 read by EMS (HH:MM; 24hr))

EMS End-tidal CO2 Value 2 (mmHg)

_____ (Second EMS ETCO2 value)

Time of EMS ETCO2 Value 2 Reading

_____ (The second time ETCO2 read by EMS (HH:MM; 24hr))

EMS End-tidal CO2 Value 3 (mmHg)

_____ (Third EMS ETCO2 value)

Time of EMS ETCO2 Value 3 Reading

_____ (The third time ETCO2 read by EMS (HH:MM; 24hr))

EMS End-tidal CO2 Value 4 (mmHg)

_____ (Fourth EMS ETCO2 value)

Time of EMS ETCO2 Value 4 Reading

_____ (The fourth time ETCO2 read by EMS (HH:MM; 24hr))

EMS End-tidal CO2 Value 5 (mmHg)

_____ (Fifth EMS ETCO2 value)

Time of EMS ETCO2 Value 5 Reading

_____ (The fifth time ETCO2 read by EMS (HH:MM; 24hr))

EMS chest compression depth (inches)

_____ (Enter value only)

EMS chest compression rate (per minute)

_____ (Enter value only)

EMS chest compression fraction

_____ (Enter value only)

Out-of-hospital Arrest Evaluation (Repeatable)

This form is used to collect information on INTRA-arrest and POST-arrest evaluations of patients experiencing out-of-hospital cardiac arrest (OHCA). This form is repeatable: if INTRA-arrest and POST-arrest evaluations were performed for the same patient, please complete this form for each of the evaluations. Please make sure to carefully select for which type of evaluation this instance of the form applies in the first available question; specific questions will appear depending on your answer to the first question.

If TEE was not used for a patient experiencing OHCA, please select the appropriate answer choice on the first question, and proceed to the next form.

For which type of evaluation of OHCA is this form being completed?

- Intra-arrest evaluation of OHCA
 Post-arrest evaluation of OHCA
 This record does not involve OHCA - proceed to next form

Emergency Department Process

Time of arrival to ED

_____ (M-D-Y HH:MM (24hr))

At the time of arrival to the ED, was the patient still pulseless?

- Yes - choose pulseless cardiac rhythm below
 No - the patient had achieved ROSC

First documented pulseless cardiac rhythm in the ED:

- Asystole
 Pulseless Electrical Activity (PEA)
 Pulseless Ventricular Tachycardia (pVT)
 Ventricular Fibrillation (VF)
 Unknown
 (Which was the first identified rhythm in ED?)

Is the post-ROSC cardiac rhythm at the time of arrival to the ED known and available?

- Yes
 No

Presenting cardiac rhythm post-ROSC:

- Sinus tachycardia
 Sinus bradycardia
 Normal sinus rhythm
 Atrial fibrillation
 Atrial flutter
 Junctional rhythm
 Ventricular tachycardia
 Other

Provide other presenting rhythm post-ROSC:

Did the patient re-arrest during the evaluation in the ED?

- Yes No

At what time did the patient re-arrest in the ED?

Chest compressions performed in the ED?

- Yes No

Defibrillation performed in the ED?

- Yes No

Are the ED airway procedures known? Yes No

ED airway procedures Valve-mask Ventilation
 Supraglottic airway (i.e. LMA, Combitube)
 Endotracheal intubation

Was infusion of any vasopressor initiated? Yes No

Which vasopressor infusion was started?
 Epinephrine
 Norepinephrine
 Other

Other vasopressor infusion: _____

Time of initiation of vasopressor infusion: _____
(HH:MM (24hr))

Dosage of vasopressor infusion: _____
(Please provide units)

Number of epinephrine doses (boluses) given in the ED
 0
 1
 2
 3
 4
 5
 6
 7
 8
 9
 Unknown
(How many doses of Epi were given in the ED (if any)?)

Epinephrine route of administration in the ED Intravenous (IV) Intraosseous (IO)
(By what route was epinephrine administered?)

ED time of epinephrine dose 1 _____
((HH:MM; 24hr))

ED time of epinephrine dose 2 _____
((HH:MM; 24hr))

ED time of epinephrine dose 3 _____
((HH:MM; 24hr))

ED time of epinephrine dose 4 _____
((HH:MM; 24hr))

ED time of epinephrine dose 5

 ((HH:MM; 24hr))

ED time of epinephrine dose 6

 ((HH:MM; 24hr))

ED time of epinephrine dose 7

 ((HH:MM; 24hr))

ED time of epinephrine dose 8

 ((HH:MM; 24hr))

ED time of epinephrine dose 9

 ((HH:MM; 24hr))

Were any other ED drug interventions administered?

Yes No

Other ED drug interventions

- Intravenous fluids
 Antiarrhythmic medications
 Vasopressors (Epinephrine infusion)
 Atropine
 Thrombolytic agent (i.e. tPA Alteplase)
 Other
 (What other drug interventions were given in the ED (if any)?)

Please list other drug interventions provided in the ED:

Were any of the following CPR quality parameters recorded in the ED?

- Yes
 No
 Unknown

End-tidal CO2
 Systolic blood pressure (invasive or noninvasive)
 Diastolic blood pressure (invasive or noninvasive)
 Chest compression depth
 Chest compression rate
 Chest compression fraction

If so, which of CPR quality parameters were recorded in the ED?

- End-tidal CO2
 Systolic blood pressure, noninvasive (e.g. cuff)
 Systolic blood pressure, invasive (e.g. arterial line)
 Diastolic blood pressure, noninvasive (e.g. cuff)
 Diastolic blood pressure, invasive (e.g. arterial line)
 Chest compression depth
 Chest compression rate
 Chest compression fraction

ED End-tidal CO2 Value 1 (mmHg)

 (First ED ETCO2 value)

ED Noninvasive Systolic Blood Pressure Value 3 (mmHg)

 (Third ED noninvasive systolic BP value, if obtained)

Time of ED Noninvasive Systolic Blood Pressure Value 3 Reading

 (The third time noninvasive systolic BP read in ED, if obtained (HH:MM; 24hr))

ED Invasive Systolic Blood Pressure Value 1 (mmHg)

 (First ED invasive systolic BP value)

Time of ED Invasive Systolic Blood Pressure Value 1 Reading

 (The first time invasive systolic BP read in ED (HH:MM; 24hr))

ED Invasive Systolic Blood Pressure Value 2 (mmHg)

 (Second ED invasive systolic BP value, if obtained)

Time of ED Invasive Systolic Blood Pressure Value 2 Reading

 (The second time invasive systolic BP read in ED, if obtained (HH:MM; 24hr))

ED Invasive Systolic Blood Pressure Value 3 (mmHg)

 (Third ED invasive systolic BP value, if obtained)

Time of ED Invasive Systolic Blood Pressure Value 3 Reading

 (The third time invasive systolic BP read in ED, if obtained (HH:MM; 24hr))

ED Noninvasive Diastolic Blood Pressure Value 1 (mmHg)

 (First ED noninvasive diastolic BP value)

Time of ED Noninvasive Diastolic Blood Pressure Value 1 Reading

 (The first time noninvasive diastolic BP read in ED (HH:MM; 24hr))

ED Noninvasive Diastolic Blood Pressure Value 2 (mmHg)

 (Second ED noninvasive diastolic BP value, if obtained)

Time of ED Noninvasive Diastolic Blood Pressure Value 2 Reading

 (The second time noninvasive diastolic BP read in ED, if obtained (HH:MM; 24hr))

ED Noninvasive Diastolic Blood Pressure Value 3 (mmHg)

 (Third ED noninvasive diastolic BP value, if obtained)

Time of ED Noninvasive Diastolic Blood Pressure Value 3 Reading

 (The third time noninvasive diastolic BP read in ED, if obtained (HH:MM; 24hr))

ED Invasive Diastolic Blood Pressure Value 1 (mmHg)

 (First ED invasive diastolic BP value)

Time of ED Invasive Diastolic Blood Pressure Value 1 Reading

 (The first time invasive diastolic BP read in ED (HH:MM; 24hr))

ED Invasive Diastolic Blood Pressure Value 2 (mmHg)

 (Second ED invasive diastolic BP value, if obtained)

Time of ED Invasive Diastolic Blood Pressure Value 2 Reading

 (The second time invasive diastolic BP read in ED, if obtained (HH:MM; 24hr))

ED Invasive Diastolic Blood Pressure Value 3 (mmHg)

 (Third ED invasive diastolic BP value, if obtained)

Time of ED Invasive Diastolic Blood Pressure Value 3 Reading

 (The third time invasive diastolic BP read in ED, if obtained (HH:MM; 24hr))

ED chest compression depth (inches)

 (Enter value only)

ED chest compression rate (per minute)

 (Enter value only)

ED chest compression fraction

 (Enter value only)

First ED documented pulseless cardiac rhythm

- Asystole
 Pulseless Electrical Activity (PEA)
 Pulseless Ventricular Tachycardia (pVT)
 Ventricular Fibrillation (VF)
 ROSC (Post arrest)
 Unknown
 (Which was the first identified rhythm in ED?)

Is the presenting rhythm post-ROSC known and available?

Yes No

Presenting rhythm post-ROSC

- Sinus tachycardia
 Sinus bradycardia
 Normal sinus rhythm
 Atrial fibrillation
 Atrial flutter
 Junctional rhythm
 Ventricular tachycardia
 Other

Provide other presenting rhythm post-ROSC:

Systolic blood pressure at time of TEE (mmHg)

Diastolic blood pressure at time of TEE (mmHg)

Mean arterial pressure (mmHg) at time of TEE

Mean arterial pressure (mmHg) at time of TEE

Heart rate (beats per minute) at time of TEE

Pulse oximetry (SpO₂) at time of TEE

Fraction of inspired oxygen (FiO₂, %) at time of TEE

(Please enter as percentage, value only)

Critical Care Variables (for Post-arrest Evaluations)

Ventilation mode at time of TEE

- Volume assist/control (also known as CMV)
 Pressure assist/control
 Pressure support
 Volume synchronized intermittent mandatory ventilation (SIMV)
 Pressure synchronized intermittent mandatory ventilation (P-SIMV)
 Manual (Bag-valve-mask)
 Other

Please provide other ventilation mode at time of TEE:

Respiratory rate (breaths per minute) at time of TEE

(Enter value only)

Tidal volume (mL) at time of TEE

(Enter value only)

Positive end-expiratory pressure (PEEP; cmH2O) at time of TEE

(Enter value only)

Was the patient under sedation at the time of TEE?

Yes No

Was the patient under muscle relaxation at the time of TEE?

Yes No

Was the patient given epinephrine at the time of TEE?

Yes No

Epinephrine infusion (mcg/min) at time of TEE

(Enter value only)

Was the patient given norepinephrine at the time of TEE?

Yes No

Norepinephrine infusion (mcg/min) at time of TEE

(Enter value only)

Was the patient given vasopressin at the time of TEE?

Yes No

Vasopressin infusion (units/min) at time of TEE

(Enter value only)

Was the patient given dobutamine at the time of TEE?

Yes No

Dobutamine infusion (mcg/kg/min) at time of TEE

(Enter value only)

Other drugs given at time of TEE:

(Any other drugs provided at the time of TEE (if none, type NA))

Was Targeted Temperature Management (TTM) initiated at the time of TEE?

Yes No Unknown

TTM goal temperature

33 °C
 36 °C
 37.5 °C (normothermia)
 Other

Other TTM goal temperature (°C)

TEE data

TEE windows obtained

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Mid-esophageal five chamber view (ME 5C)
- Other (describe below)
- Other (describe below)

Describe other windows obtained:

Type of CPR performed during TEE

- Manual
- Mechanical
- Alternating between manual & mechanical

Initial area of maximal compression (AMC) in mid-esophageal long axis (ME LAX) view

- Left ventricle
- Left ventricular outflow tract (LVOT)
- Aortic root
- Unable to determine
- AMC not evaluated
- Other (describe below)

Other initial area of maximal compression (AMC)

Time that AMC was determined

((HH:MM; 24hr))

Was the AMC changed under TEE guidance?

- Yes
- No
- AMC not evaluated

Time of AMC change

((HH:MM; 24hr))Was end-tidal CO₂ (ETCO₂) recorded at the initial AMC assessment?

- Yes
- No

End-tidal CO₂ at the time of initial AMC assessment (mmHg)

(Enter value only)

Was diastolic blood pressure (DBP) recorded at the initial AMC assessment?

Yes
 No

Diastolic blood pressure at the time of initial AMC assessment (mmHg)

(Enter value only)

Operator-identified TEE findings

Cardiac tamponade identified in TEE?

Yes No Not assessed

Right ventricular (RV) dilation identified in TEE?

Yes No Not assessed
(Defined as RV:LV > 0.6)

Pseudo pulseless electrical activity (PEA) identified in TEE?

Yes No Not assessed

Hypovolemia identified in TEE?

Yes No Not assessed

Fine ventricular fibrillation identified in TEE?

Yes No Not assessed

Intra-cardiac thrombus identified in TEE?

Yes No Not assessed

Where was the thrombus visualized?

Right atrium
 Right ventricle
 Left atrium
 Left ventricle
 Pulmonary trunk
 Pulmonary artery

Aortic dissection identified in TEE?

Yes No Not assessed

Likely etiology of arrest determined in TEE?

Yes No

Cardiac tamponade identified in TEE?

Yes No Not assessed

Right ventricular (RV) dilation identified in TEE?

Yes No Not assessed
(Defined as RV:LV > 0.6)

Echocardiographic signs suggesting pulmonary embolism?

Yes No Not assessed

Intra-cardiac left ventricular (LV) thrombus identified?

Yes No Not assessed

Intra-cardiac right ventricular (RV) thrombus identified?

Yes No Not assessed

Global left ventricular (LV) systolic dysfunction?

Yes No Not assessed

Echocardiographic signs suggesting hypovolemia? Yes No Not assessed

Aortic dissection? None
 Type A
 Type B
 Type non-A non-B
 Not assessed

Was TEE used to assess for wall-motion abnormalities? Yes No

Wall-motion abnormalities identified? None
 LAD (anterior, septal)
 RCA (inferior)
 Circumflex (Lateral)

Left ventricular (LV) rupture? Yes No Not assessed

Was the superior vena cava (SVC) evaluated with TEE? Yes No

Was the respirophasic variation assessment quantitative (measured) or estimated ('eye-balled')? Quantitative (measured)
 Estimated ('eye-balled')

Respirophasic variation < 36% diameter variation
 >36% diameter variation
 Unable to determine

Superior vena cava (SVC) diameter respirophasic variation (Percent)

(Enter value only)

SVC diameter respirophasic variation (%)

(Enter value only)

Acute severe valvular pathology? Yes No Not assessed

Describe acute severe valvular pathology:

Was the etiology of the arrest established based on TEE findings? Yes No

Was a change in management made based on TEE findings? Yes No

If so, what change in management was made?

- Patient was taken to the cardiac catheterization lab
- Patient was taken to the operating room
- Decision to give intravenous fluids
- Decision to stop intravenous fluid administration
- Patient was started on vasopressors for hemodynamic support
- Decision to initiate mechanical circulatory support
- Decision to administer thrombolytic agent (i.e. TPA)
- Decision to initiate anticoagulation (i.e. heparin)
- Decision to administer blood transfusion
- Other management change

Other management change:

Out-of-hospital Arrest Outcomes

Questions in this form will only appear if an evaluation of an out-of-hospital arrest was performed.

If an evaluation of an out-of-hospital arrest was not performed and you do not see any questions on this form, please mark this form as "Complete," and proceed to the next form. If this is incorrect, please return to the form, "Out-of-hospital Arrest Evaluation (Repeatable)."

Any return to spontaneous circulation (ROSC) reached? Yes No
(Did patient achieve ROSC at any time?)

ROSC Time (if ROSC achieved)

(Definition: Organized rhythm and palpable or measurable blood pressure for at least 30 seconds (M-D-Y HH:MM; 24hr))

Survived ED admission? Yes No
(Did patient survive ED admission?)

Survived to ICU admission? Yes No
(Did patient survive to ICU admission?)

Survived to hospital discharge? Yes No
(Did patient survive to hospital discharge?)

Date and time of hospital discharge or death:

(M-D-Y H:M)

"Do Not Attempt Resuscitation" Order during this admission (date, time)

(M-D-Y H:M)

Life support withdrawn? Yes No

Discharge destination Home/Residence
 Nursing Facility
 Other

Other discharge destination:

Diagnosis of esophageal perforation made after TEE Yes No

Diagnosis of oropharyngeal injury made after TEE Yes No

Diagnosis of gastrointestinal bleed made after TEE Yes No

Adult Cerebral Performance Category (CPC) at discharge

- 1
 2
 3
 4
 5

- 1: Normal (good cerebral performance)
2: Moderate disability (disabled but independent)
3: Severe disability (conscious but disabled and dependent)
4: Unconscious (coma or vegetative state)
5: Brain death

Unknown/Not Available
(CPC (Cerebral Performance Category) at discharge)

Adult modified Rankin Score (mRS) at discharge

- 0
 1
 2
 3
 4
 5

- 0: No symptoms at all
1: No significant disability despite symptoms
2: Slight disability
3: Moderate disability
4: Moderately severe disability
5: Severe disability

Unknown/Not available
(mRS (Modified Rankin Score) at discharge)

In-hospital Arrest Process

Questions in this form will only appear if you selected "Intra-arrest evaluation in IHCA" or "Post-arrest evaluation in IHCA" when answering the "TEE indication" question in the preliminary form.

You selected "[tee_indication]".

If this is the correct indication for TEE and you do not see any questions on this form, please mark this form as "complete" and proceed to the next form. If this is incorrect (this record involves in-hospital arrest, but you do not see any questions on this form), please return to the preliminary form and correct the answers provided to "TEE indication".

Arrest location Emergency Department
 Hospital Ward
 Intensive Care Unit
 Operating Room
 Other

Other arrest location: _____

Was the arrest witnessed? Yes No

Was bystander CPR performed? Yes No

Is the exact time of arrest known? Yes No

Exact time of arrest _____
(HH:MM)

Is the approximate time of arrest known? Yes No

Approximate time of arrest _____
(HH:MM)

First documented pulseless cardiac rhythm (during arrest) Asystole
 Pulseless electrical activity
 Ventricular fibrillation
 Ventricular tachycardia
 Unknown

In-hospital Arrest Interventions

In-hospital chest compressions performed? Yes No

In-hospital defibrillation performed? Yes No

In-hospital airway procedures: Valve-mask ventilation
 Supraglottic airway (i.e. LMA, Combitube)
 Endotracheal intubation

How many doses of epinephrine were administered to the patient?

0
 1
 2
 3
 4
 5
 6
 7
 8
 9
 Unknown

By what route was epinephrine administered? Intravenous (IV) Intraosseous (IO)

Time of epinephrine dose 1

Time of epinephrine dose 2

Time of epinephrine dose 3

Time of epinephrine dose 4

Time of epinephrine dose 5

Time of epinephrine dose 6

Time of epinephrine dose 7

Time of epinephrine dose 8

Time of epinephrine dose 9

Were any other drug interventions provided in-hospital? Yes No

Other drug interventions

Intravenous fluids
 Antiarrhythmic medications
 Other vasopressors
 Atropine
 Other

Please provide any other drug interventions:

Were any of the following CPR quality parameters recorded prior to TEE administration?

- Yes
 No

End-tidal CO2
 Systolic blood pressure (invasive or noninvasive)
 Diastolic blood pressure (invasive or noninvasive)
 Chest compression depth
 Chest compression rate
 Chest compression fraction

If so, which of the CPR quality parameters were recorded prior to TEE administration?

- End-tidal CO2
 Systolic blood pressure, noninvasive (e.g. cuff)
 Systolic blood pressure, invasive (e.g. arterial line)
 Diastolic blood pressure, noninvasive (e.g. cuff)
 Diastolic blood pressure, invasive (e.g. arterial line)
 Chest compression depth
 Chest compression rate
 Chest compression fraction

End-tidal CO2 Value 1 (mmHg)

 (First ETCO2 value)

Time of ETCO2 Value 1 Reading

 (The first time ETCO2 read (HH:MM; 24hr))

End-tidal CO2 Value 2 (mmHg)

 (Second ETCO2 value)

Time of ETCO2 Value 2 Reading

 (The second time ETCO2 read (HH:MM; 24hr))

End-tidal CO2 Value 3 (mmHg)

 (Third ETCO2 value)

Time of ETCO2 Value 3 Reading

 (The third time ETCO2 read (HH:MM; 24hr))

End-tidal CO2 Value 4 (mmHg)

 (Fourth ETCO2 value)

Time of ETCO2 Value 4 Reading

 (The fourth time ETCO2 read (HH:MM; 24hr))

End-tidal CO2 Value 5 (mmHg)

 (Fifth ETCO2 value)

Time of ETCO2 Value 5 Reading	<u>(The fifth time ETCO2 read (HH:MM; 24hr))</u>
Noninvasive Systolic Blood Pressure value 1 (mmHg)	<u>(First noninvasive systolic BP value)</u>
Time of Noninvasive Systolic Blood Pressure value 1 reading	<u>(The first time noninvasive systolic BP read (HH:MM; 24hr))</u>
Noninvasive Systolic Blood Pressure value 2 (mmHg)	<u>(Second noninvasive systolic BP value)</u>
Time of Noninvasive Systolic Blood Pressure value 2 reading	<u>(The second time noninvasive systolic BP read (HH:MM; 24hr))</u>
Noninvasive Systolic Blood Pressure value 3 (mmHg)	<u>(Third noninvasive systolic BP value)</u>
Time of Noninvasive Systolic Blood Pressure value 3 reading	<u>(The third time noninvasive systolic BP read (HH:MM; 24hr))</u>
Invasive Systolic Blood Pressure value 1 (mmHg)	<u>(First invasive systolic BP value)</u>
Time of Invasive Systolic Blood Pressure value 1 reading	<u>(The first time invasive systolic BP read (HH:MM; 24hr))</u>
Invasive Systolic Blood Pressure value 2 (mmHg)	<u>(Second invasive systolic BP value)</u>
Time of Invasive Systolic Blood Pressure value 2 reading	<u>(The second time invasive systolic BP read (HH:MM; 24hr))</u>
Invasive Systolic Blood Pressure value 3 (mmHg)	<u>(Third invasive systolic BP value)</u>
Time of Invasive Systolic Blood Pressure value 3 reading	<u>(The third time invasive systolic BP read (HH:MM; 24hr))</u>

Noninvasive Diastolic Blood Pressure value 1 (mmHg)

(First noninvasive diastolic BP value)

Time of Noninvasive Diastolic Blood Pressure value 1 reading

(The first time noninvasive diastolic BP read (HH:MM; 24hr))

Noninvasive Diastolic Blood Pressure value 2 (mmHg)

(Second noninvasive diastolic BP value)

Time of Noninvasive Diastolic Blood Pressure value 2 reading

(The second time noninvasive diastolic BP read (HH:MM; 24hr))

Noninvasive Diastolic Blood Pressure value 3 (mmHg)

(Third noninvasive diastolic BP value)

Time of Noninvasive Diastolic Blood Pressure value 3 reading

(The third time noninvasive diastolic BP read (HH:MM; 24hr))

Invasive Diastolic Blood Pressure value 1 (mmHg)

(First invasive diastolic BP value)

Time of Invasive Diastolic Blood Pressure value 1 reading

(The first time invasive diastolic BP read (HH:MM; 24hr))

Invasive Diastolic Blood Pressure value 2 (mmHg)

(Second invasive diastolic BP value)

Time of Invasive Diastolic Blood Pressure value 2 reading

(The second time invasive diastolic BP read (HH:MM; 24hr))

Invasive Diastolic Blood Pressure value 3 (mmHg)

(Third invasive diastolic BP value)

Time of Invasive Diastolic Blood Pressure value 3 reading

(The third time invasive diastolic BP read (HH:MM; 24hr))

Chest compression depth (inches)

(Enter value only)

Chest compression rate (per minute)

(Enter value only)

Chest compression fraction

(Enter value only)

Systolic blood pressure at time of TEE (mmHg)

(Enter value only)

Diastolic blood pressure at time of TEE (mmHg)

(Enter value only)

Mean Arterial Pressure (MAP; mmHg) at time of TEE

(Enter value only)

Mean Arterial Pressure (MAP; mmHg) at time of TEE

Heart rate (BPM) at time of TEE

(Enter value only)

Pulse oximetry (SpO₂) at time of TEE

(Enter value only)

Fraction of inspired oxygen (FiO₂) at time of TEE

(Enter value only)

In-hospital Arrest Evaluation (Repeatable)

This form collects information on INTRA-arrest and POST-arrest evaluations of patients with in-hospital cardiac arrest (IHCA). This form is repeatable: if INTRA-arrest and POST-arrest evaluations were performed for the same patient, please complete this form for each of the evaluations. Please make sure to carefully select for which type of evaluation this form applies in the first available question; specific questions will appear depending on your answer to the first question.

If TEE was not used for a patient experiencing IHCA, please select the appropriate answer choice on the first question, mark the form "Complete," and proceed to the next form.

For which type of evaluation of IHCA is this form being completed?

- Intra-arrest evaluation of IHCA
- Post-arrest evaluation of IHCA
- This record does not involve IHCA - proceed to next form

Critical Care Variables (for Post-arrest Evaluations)

Ventilation mode at time of TEE

- Volume assist/control
- Pressure assist/control
- Pressure support
- Volume synchronized intermittent mandatory ventilation (SIMV)
- Pressure synchronized intermittent mandatory ventilation (P-SIMV)
- Other

Please provide other ventilation mode at time of TEE:

Fraction of inspired oxygen (FiO₂, %) at time of TEE

(Please enter as percentage, value only)

Respiratory rate (breaths per minute) at time of TEE

(Enter value only)

Tidal volume (mL) at time of TEE

(Enter value only)

Positive-end expiratory pressure (PEEP; cmH₂O) at time of TEE

(Enter value only)

Was the patient under sedation at the time of TEE?

- Yes
- No

Was the patient under muscle relaxation at the time of TEE?

- Yes
- No

Was the patient given epinephrine at the time of TEE?

- Yes
- No

Epinephrine infusion (mcg/min) at time of TEE

(Enter value only)

Was the patient given norepinephrine at the time of TEE? Yes No

Norepinephrine infusion (mcg/min) at time of TEE

(Enter value only)

Was the patient given vasopressin at the time of TEE? Yes No

Vasopressin infusion (units/min) at time of TEE

(Enter value only)

Was the patient given dobutamine at the time of TEE? Yes No

Dobutamine infusion (mcg/kg/min) at time of TEE

(Enter value only)

Other drugs given at time of TEE:

(Any other drugs provided at the time of TEE? If none, type "NA")

Was Targeted Temperature Management (TTM) initiated at the time of TEE? Yes No Unknown

TTM goal temperature

- 33 °C
 36 °C
 37.5 °C (normothermia)
 Other
-

Other TTM goal temperature (°C)

TEE Data

TEE windows obtained

- Mid-esophageal four chamber view (ME 4C)
 Mid-esophageal long axis view (ME LAX)
 Mid-esophageal bicaval view (ME BC)
 Trans-gastric midpapillary muscle short axis view (TG SAX)
 Mid-esophageal two chamber view (ME 2C)
 Mid-esophageal aortic valve short axis view (AV SAX)
 Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
 Upper esophageal ascending aorta long axis view (UE Asc. LAX)
 Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
 Mid-esophageal descending aorta short axis view (ME DTA SAX)
 Mid-esophageal descending aorta long axis view (ME DTA LAX)
 Transgastric midpapillary muscle long axis view (TG LAX)
 Transgastric deep five chamber view (dTG 5C)
 Mid-esophageal five chamber view (ME 5C)
 Other (describe below)
 Other (describe below)

Provide other TEE window:

Type of CPR during TEE

- Manual
 Mechanical
 Alternating between manual & mechanical

Initial Area of Maximal Compression (AMC) in ME LAX view

- Left ventricle
 LVOT
 Aortic root
 Unable to determine
 AMC not evaluated
 Other

Please describe other initial AMC in ME LAX view

Time of initial AMC assessment

Was end-tidal CO₂ (ETCO₂) recorded at the time of initial AMC assessment?

- Yes No

End-tidal CO₂ (mmHg) at the time of initial AMC assessment

(Enter value only)

Was diastolic blood pressure (DBP) recorded at the time of initial AMC assessment?

- Yes No

Diastolic blood pressure (mmHg) at the time of initial AMC assessment

(Enter value only)

Was the AMC changed under TEE guidance? Yes No AMC not evaluated

Time of AMC change _____

End-tidal CO2 (mmHg) after AMC change

(Enter value only)

Time of ETCO2 reading after AMC change

(Enter value only)

Diastolic blood pressure (mmHg) after AMC change

(Enter value only)

Time of DBP reading after AMC change

(Enter value only)

Operator-identified TEE Findings

Cardiac tamponade identified in TEE? Yes No Not assessed

Right ventricular (RV) dilation identified in TEE? Yes No Not assessed

Pseudo pulseless electrical activity (PEA) identified in TEE? Yes No Not assessed

Hypovolemia identified in TEE? Yes No Not assessed

Fine ventricular fibrillation identified in TEE? Yes No Not assessed

Intra-cardiac thrombus identified in TEE? Yes No Not assessed

Aortic dissection identified in TEE? Yes No Not assessed

Likely etiology of arrest determined in TEE? Yes No

Presenting rhythm after Return of Spontaneous Circulation (ROSC)

- Sinus tachycardia
- Sinus bradycardia
- Normal sinus rhythm
- Atrial fibrillation
- Atrial flutter
- Junctional rhythm
- Ventricular tachycardia
- Other
- Unknown/Not available

Other presenting rhythm post-ROSC: _____

Right ventricular (RV) dilation identified in TEE?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed (Definition RV:LV > 0.6)
Echocardiographic signs suggesting pulmonary embolism?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed
Intra-cardiac left ventricular (LV) thrombus identified?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed
Intra-cardiac right ventricular (RV) thrombus identified?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed
Global left ventricular (LV) systolic dysfunction identified?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed
Echocardiographic signs suggesting hypovolemia?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed
Aortic dissection	<input type="radio"/> None <input type="radio"/> Type A <input type="radio"/> Type B <input type="radio"/> Type non-A non-B <input type="radio"/> Not assessed
Was TEE used to assess for wall-motion abnormalities?	<input type="radio"/> Yes <input type="radio"/> No
Wall-motion abnormalities identified?	<input type="checkbox"/> None <input type="checkbox"/> Left anterior descending artery (LAD; Anterior, Septal) <input type="checkbox"/> Right coronary artery (RCA; Inferior) <input type="checkbox"/> Circumflex (Lateral)
Left ventricular (LV) rupture identified?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not assessed
Was the superior vena cava (SVC) evaluated with TEE?	<input type="radio"/> Yes <input type="radio"/> No
Was the respirophasic variation assessment quantitative (measured) or estimated ('eye-balled')?	<input type="radio"/> Quantitative (measured) <input type="radio"/> Estimated ('eye-balled')
Respirophasic variation	<input type="radio"/> < 36% diameter variation <input type="radio"/> >36% diameter variation <input type="radio"/> Unable to determine
Superior vena cava (SVC) diameter respirophasic variation (Percent)	<input type="text"/> (Enter value only)
Superior vena cava (SVC) diameter respirophasic variation (Percent)	<input type="text"/> (Enter value only)
Was valvular assessment performed?	<input type="radio"/> Yes <input type="radio"/> No
Any evidence of severe acute valvular pathology identified?	<input type="radio"/> Yes <input type="radio"/> No

If so, which acute severe valvular pathology was identified?

- Aortic regurgitation
- Mitral insufficiency
- Tricuspid regurgitation

Was the etiology of the arrest identified based on TEE findings?

- Yes No

Was any change in management made based on TEE findings?

- Yes No

What changes in management were made based on TEE findings?

- Patient was taken to the cardiac catheterization laboratory
- Patient was taken to the operating room
- Pericardiocentesis was performed
- Decision to give intravenous fluids
- Decision to stop intravenous fluid administration
- Patient was started on vasopressors for hemodynamic support
- Decision to initiate mechanical circulatory support (i.e. ECMO)
- Decision to defibrillate
- Decision to change chest compression location (i.e. AMC)
- Decision to administer thrombolytic agent (i.e. TPA)
- Decision to administer anticoagulation agent (i.e. heparin)
- Decision to administer blood transfusion
- Decision to stop resuscitation
- Other intervention provided

Describe other intervention provided

In-hospital Arrest Outcomes

Questions in this form will only appear if an evaluation of an in-hospital arrest was performed.

If an evaluation of an in-hospital arrest was not performed and you do not see any questions on this form, please mark this form as "Complete," and proceed to the next form. If this is incorrect, please return to the form, "In-hospital Arrest Evaluation (Repeatable)."

Any return to spontaneous circulation (ROSC) reached? Yes No
(Did patient achieve ROSC at any time?)

ROSC Time (if ROSC achieved)

(Definition: Organized rhythm and palpable or measurable blood pressure for at least 30 seconds (HH:MM; 24hr))

Survived to ICU admission? Yes No

Survived to hospital discharge? Yes No

Date and time of hospital discharge or death:

(M-D-Y H:M)

"Do Not Attempt Resuscitation" Order during this admission (date, time)

(M-D-Y H:M)

Life support withdrawn? Yes No

Discharge destination Home/residence
 Nursing facility
 Other

Other discharge destination

Diagnosis of esophageal perforation made after TEE Yes No

Diagnosis of gastrointestinal bleed made after TEE Yes No

Diagnosis of oropharyngeal injury made after TEE Yes No

Adult Cerebral Performance Category (CPC) at discharge

- 1: Normal (good cerebral performance)
- 2: Moderate disability (disabled but independent)
- 3: Severe disability (conscious but disabled and dependent)
- 4: Unconscious (coma or vegetative state)
- 5: Brain death

- 1
- 2
- 3
- 4
- 5
- Unknown/Not available
(CPC (Cerebral Performance Category) at discharge)

Adult modified Rankin Score (mRS) at discharge

- 0: No symptoms at all
- 1: No significant disability despite symptoms
- 2: Slight disability
- 3: Moderate disability
- 4: Moderately severe disability
- 5: Severe disability

- 0
- 1
- 2
- 3
- 4
- 5
- Unknown/Not available
(mRS (Modified Rankin Score) at discharge)

Initial Evaluation of Undifferentiated Shock or Acute Hemodynamic Decompensation

Questions in this form will only appear if you selected "Initial evaluation of undifferentiated shock or acute hypotension" when answering the "TEE indication" question in the preliminary form.

You selected: "[tee_indication]."

If this is the correct TEE indication and you do not see any questions on this form, please mark this form as "Complete" and proceed to the next form. If this is incorrect, please return to the preliminary form and correct the answers provided to "TEE indication."

Cardiac rhythm at the time of TEE

- Sinus tachycardia
- Sinus bradycardia
- Normal sinus rhythm
- Atrial fibrillation
- Atrial flutter
- Junctional rhythm
- Ventricular tachycardia
- Other
- Unknown/Not available

Please list other cardiac rhythm at time of TEE:

Systolic blood pressure at time of TEE (mmHg)

(Enter value only)

Diastolic blood pressure at time of TEE (mmHg)

(Enter value only)

Mean arterial pressure (mmHg) at time of TEE

(Enter value only)

Mean arterial pressure (mmHg) at time of TEE

Heart rate (beats per minute) at time of TEE

(Enter value only)

Pulse oximetry (SpO2) at time of TEE

(Enter value only)

Ventilation mode at time of TEE

Volume assist/control
 Pressure assist/control
 Pressure support
 Volume synchronized intermittent mandatory ventilation (SIMV)
 Pressure synchronized intermittent mandatory ventilation (P-SIMV)
 Manual (Bag-valve mask)
 Other

Please provide other ventilation mode at time of TEE:

Fraction of inspired oxygen (FiO₂, %) at time of TEE

(Please enter as percentage, value only)

Respiratory rate (breaths per minute) at time of TEE

(Enter value only)

Tidal volume (mL) at time of TEE

(Enter value only)

Positive-end expiratory pressure (PEEP; cmH₂O) at time of TEE

(Enter value only)

Was the patient under sedation at the time of TEE?

Yes No

Was the patient under muscle relaxation at the time of TEE?

Yes No

Was the patient given epinephrine at the time of TEE?

Yes No

Epinephrine infusion (mcg/kg/min) at time of TEE

(Enter value only)

Was the patient given norepinephrine at the time of TEE?

Yes No

Norepinephrine dosage (mcg/kg/min) at time of TEE

(Enter value only)

Was the patient given vasopressin at the time of TEE?

Yes No

Vasopressin dosage (units/min) at time of TEE

(Enter value only)

Was the patient given dobutamine at the time of TEE?

Yes No

Dobutamine dosage (mcg/kg/min) at time of TEE

(Enter value only)

Other drugs given at time of TEE:

(Any other drugs provided at the time of TEE, if none type "NA")

TEE data

TEE windows obtained

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Mid-esophageal five chamber view (ME 5C)
- Other (describe below)
- Other (describe below)

Provide other TEE window:

Operator-identified TEE findings

Was the pericardium evaluated with TEE?

Yes No

Pericardial effusion present?

Yes No

Echocardiographic signs of tamponade?

Yes No Not assessed

Was the left ventricle evaluated with TEE?

Yes No

Presence of global left ventricular (LV) systolic dysfunction?

Yes No

Visually estimated LV systolic function:

- Severely reduced (EF < 30%)
- Reduced (EF = 30-55%)
- Normal (EF > 55%)

Was the ejection fraction (EF; percent) estimated visually?

Yes No

Visually estimated ejection fraction (EF; percent)

(Enter value only)

Was stroke volume evaluated with TEE?

Yes No Unable to determine

Left ventricular outflow tract (LVOT) diameter (cm):

(Enter value only)

Left ventricular outflow tract (LVOT) velocity time integral (VTI; cm/systole)

(Enter value only)

Heart rate (beats per minute)

(Enter value only)

Was the right ventricle (RV) evaluated with TEE

Yes No

Presence of right ventricular dysfunction identified?

Yes No

Was tricuspid annular plane systolic excursion (TAPSE; mm) determined?

Yes No

Tricuspid annular plane systolic excursion (TAPSE; mm)

(Enter value only)

Was fractional area change (FAC; percent) determined?

Yes No

Fractional area change (FAC; percent)

(Enter value only)

Was the superior vena cava (SVC) evaluated with TEE?

Yes No

Was the respirophasic variation assessment quantitative (measured) or estimated ('eye-balled')?

Quantitative (measured)
 Estimated ('eye-balled')

Respirophasic variation

< 36% diameter variation
 >36% diameter variation
 Unable to determine

Was Transesophageal Lung Ultrasound (TELUS) evaluated?

Yes No

Evaluation from Transesophageal Lung Ultrasound (TELUS)

A-line pattern bilaterally
 B-line pattern bilaterally
 Right pleural effusion present
 Left pleural effusion present

Operator's Impression

Echocardiographic signs suggesting acute right ventricular failure? Yes No Not assessed

Echocardiographic signs suggesting pulmonary embolism? Yes No Not assessed

Intra-cardiac left ventricular (LV) thrombus identified? Yes No Not assessed

Intra-cardiac right ventricular (RV) thrombus identified? Yes No Not assessed

Global left ventricular (LV) systolic dysfunction identified? Yes No Not assessed

Echocardiographic signs suggesting hypovolemia? Yes No Not assessed

Aortic dissection None
 Type A
 Type B
 Type non-A non-B
 Not assessed

Was TEE used to assess for wall-motion abnormalities? Yes No

Wall-motion abnormalities identified? None
 Left anterior descending artery (LAD; Anterior, Septal)
 Right coronary artery (RCA; Inferior)
 Circumflex (Lateral)

Left ventricular (LV) rupture identified? Yes No Not assessed

Was any valvular assessment performed? Yes No

Any acute severe valvular pathology identified? Yes No

If so, what acute severe valvular pathology was identified? Aortic regurgitation
 Mitral insufficiency
 Tricuspid regurgitation
 Other

Other severe valvular pathology _____

Was the etiology of shock/hemodynamic compensation established based on TEE findings? Yes No

Was any change in management made based on TEE findings? Yes No

What changes in management were made based on TEE findings?

- Patient was taken to the cardiac catheterization laboratory
- Patient was taken to the operating room
- Pericardiocentesis was performed
- Decision to give intravenous fluids
- Decision to stop intravenous fluid administration
- Patient was started on vasopressors for hemodynamic support
- Decision was made to initiate mechanical circulatory support (i.e. ECMO)
- Decision to administer thrombolytic agent (i.e. TPA)
- Decision to administer anticoagulation agent (i.e. heparin)
- Decision to administer blood transfusion
- Other intervention provided

Describe other intervention provided

Hemodynamic Monitoring in a Critically-ill Patient

Questions in this form will only appear if you selected "Hemodynamic monitoring in critically-ill patient" when answering the "TEE indication" question in the preliminary form.

You selected: "[tee_indication]."

If this is the correct TEE indication and you do not see any questions on this form, please mark this form as "Complete" and proceed to the next form. If this is incorrect, please return to the preliminary form and correct the answers provided to "TEE indication."

Cardiac rhythm at the time of TEE

- Sinus tachycardia
- Sinus bradycardia
- Normal sinus rhythm
- Atrial fibrillation
- Atrial flutter
- Junctional rhythm
- Ventricular tachycardia
- Other
- Unknown/Not available

Please list other cardiac rhythm at time of TEE:

Systolic blood pressure at time of TEE (mmHg)

(Enter value only)

Diastolic blood pressure at time of TEE (mmHg)

(Enter value only)

Mean arterial pressure (mmHg) at time of TEE

(Enter value only)

Mean arterial pressure (mmHg) at time of TEE

Heart rate (beats per minute) at time of TEE

(Enter value only)

Pulse oximetry (SpO2) at time of TEE

(Enter value only)

Ventilation mode at time of TEE

- Volume assist/control
- Pressure assist/control
- Pressure support
- Volume synchronized intermittent mandatory ventilation (SIMV)
- Pressure synchronized intermittent mandatory ventilation (P-SIMV)
- Other

Please provide other ventilation mode at time of TEE:

Was the patient under sedation at the time of TEE? Yes No

Was the patient under muscle relaxation at the time of TEE? Yes No

Fraction of inspired oxygen (FiO₂, %) at time of TEE

(Please enter as percentage, value only)

Respiratory rate (breaths per minute) at time of TEE

(Enter value only)

Tidal volume (mL per kg body mass) at time of TEE

(Enter value only)

Positive-end expiratory pressure (PEEP; cmH₂O) at time of TEE

(Enter value only)

Was the patient given epinephrine at the time of TEE? Yes No

Epinephrine dosage (mg) at time of TEE

(Enter value only)

Was the patient given norepinephrine at the time of TEE? Yes No

Norepinephrine dosage (mg) at time of TEE

(Enter value only)

Was the patient given vasopressin at the time of TEE? Yes No

Vasopressin dosage (mg) at time of TEE

(Enter value only)

Was the patient given dobutamine at the time of TEE? Yes No

Dobutamine dosage (mg) at time of TEE

(Enter value only)

Other drugs given at time of TEE:

(Any other drugs provided at the time of TEE? If none, type "NA")

TEE data

TEE windows obtained

- Mid-esophageal four chamber view (ME 4C)
 Mid-esophageal long axis view (ME LAX)
 Mid-esophageal bicaval view (ME BC)
 Trans-gastric midpapillary muscle short axis view (TG SAX)
 Mid-esophageal two chamber view (ME 2C)
 Mid-esophageal aortic valve short axis view (AV SAX)
 Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
 Upper esophageal ascending aorta long axis view (UE Asc. LAX)
 Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
 Mid-esophageal descending aorta short axis view (ME DTA SAX)
 Mid-esophageal descending aorta long axis view (ME DTA LAX)
 Transgastric midpapillary muscle long axis view (TG LAX)
 Transgastric deep five chamber view (dTG 5C)
 Mid-esophageal five chamber view (ME 5C)
 Other (describe below)
 Other (describe below)

Provide other TEE window:

Operator-identified TEE findings

Was the pericardium evaluated with TEE at the start of the procedure?

 Yes No

Pericardial effusion present?

 Yes No

Echocardiographic signs of tamponade?

 Yes No Not assessed

Was the left ventricle evaluated with TEE?

 Yes No

Presence of global left ventricular (LV) systolic dysfunction?

 Yes No

Visually estimated systolic LV function:

- Severely reduced (EF < 30%)
 Reduced (EF = 30-55%)
 Normal (EF > 55%)

Visually estimated ejection fraction (EF; percent)

(Enter value only)

Was stroke volume evaluated with TEE?

 Yes No Unable to determine

Left ventricular outflow tract (LVOT) diameter (cm):

(Enter value only)

Left ventricular outflow tract (LVOT) velocity time integral (VTI; cm/systole)

(Enter value only)

Heart rate (beats per minute)

(Enter value only)

Was the right ventricle (RV) evaluated with TEE

Yes No

Presence of right ventricle dysfunction identified?

Yes No

Were any of the following quantitative RV function measurements obtained?

TAPSE
 FAC
 Neither

Tricuspid annular plane systolic excursion (TAPSE; mm)

(Enter value only)

Fractional area change (FAC; percent)

(Enter value only)

Was the superior vena cava (SVC) evaluated with TEE?

Yes No

Was the respirophasic variation assessment quantitative (measured) or estimated ('eye-balled')?

Quantitative (measured)
 Estimated ('eye-balled')

Respirophasic variation

< 36% diameter variation
 >36% diameter variation
 Unable to determine

Was Transesophageal Lung Ultrasound (TELUS) evaluated?

Yes No

Evaluation from Transesophageal Lung Ultrasound (TELUS)

A-line pattern left hemithorax
 A-line pattern right hemithorax
 B-line pattern left hemithorax
 B-line pattern right hemithorax
 Right pleural effusion present
 Left pleural effusion present

Operator's Impression

Echocardiographic signs suggesting acute right ventricular failure?

Yes No Not assessed

Echocardiographic signs suggesting pulmonary embolism?

Yes No Not assessed

Intra-cardiac left ventricular (LV) thrombus identified?

Yes No Not assessed

Intra-cardiac right ventricular (RV) thrombus identified?

Yes No Not assessed

Global left ventricular (LV) systolic dysfunction identified? Yes No Not assessed

Echocardiographic signs suggesting hypovolemia? Yes No Not assessed

Aortic dissection None
 Type A
 Type B
 Type non-A non-B
 Not assessed

Was TEE used to assess for wall-motion abnormalities? Yes No

Wall-motion abnormalities identified? None
 Left anterior descending artery (LAD; Anterior, Septal)
 Right coronary artery (RCA; Inferior)
 Circumflex (Lateral)

Left ventricular (LV) rupture identified? Yes No Not assessed

Any acute severe valvular pathology identified? Valvular assessment not performed
 No evidence of severe pathology
 Aortic regurgitation
 Mitral insufficiency
 Tricuspid regurgitation

Was the etiology of shock/hemodynamic compensation established based on TEE findings? Yes No

Was any change in management made based on TEE findings? Yes No

What changes in management were made based on TEE findings? Patient was taken to the cardiac catheterization laboratory
 Patient was taken to the operating room
 Pericardiocentesis was performed
 Decision to give intravenous fluids
 Decision to stop intravenous fluid administration
 Patient was started on vasopressors for hemodynamic support
 Decision was made to initiate mechanical circulatory support (i.e. ECMO)
 Decision to administer thrombolytic agent (i.e. TPA)
 Decision to administer anticoagulation agent (i.e. heparin)
 Decision to administer blood transfusion
 Other intervention provided

Describe other intervention provided

Procedural Guidance

Questions in this form will only appear if you selected "Procedural guidance" when answering the "TEE indication" question in the preliminary form.

You selected: "[tee_indication]."

If this is the correct TEE indication and you do not see any questions on this form, please mark this form as "Complete" and proceed to the next form. If this is incorrect, please return to the preliminary form and correct the answers provided to "TEE indication."

Procedure guided with TEE:

- Intravenous pacemaker
- Veno-arterial (VA) ECMO
- Veno-venous (VV) ECMO
- Impella pump placement
- Intra-aortic balloon pump (IABP) pump placement
- Other procedure

Indicate other procedure guided by TEE:

Briefly describe how TEE was used to guide the procedure:

TEE data

TEE windows obtained

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Mid-esophageal five chamber view (ME 5C)
- Other (describe below)
- Other (describe below)

Provide other TEE window:

TEE Images

Please ensure all files have been de-identified (stripped of identifiers) prior to upload. Please upload files in a video format (.mp4 is preferred). File upload fields will appear once you have specified how many video files you have for this patient.

How many TEE image/video files do you have for this patient?

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Please provide the first TEE video relevant to this case as an .mp4 file

What is the TEE view of the video above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the second TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (2) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the third TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (3) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 4th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (4) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 5th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (5) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 6th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (6) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 7th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (7) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 8th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (8) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 9th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (9) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 10th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (10) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 11th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (11) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 12th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (12) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 13th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (13) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 14th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (14) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 15th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (15) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 16th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (16) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 17th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (17) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 18th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (18) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 19th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (19) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 20th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (20) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 21st TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (21) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 22nd TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (22) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 23rd TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (23) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 24th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (24) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 25th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (25) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 26th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (26) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 27th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (27) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 28th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (28) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 29th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (29) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above

Please provide the 30th TEE video relevant to this case as an .mp4 file

What is the TEE view of the video (30) above?

- Mid-esophageal four chamber view (ME 4C)
- Mid-esophageal long axis view (ME LAX)
- Mid-esophageal bicaval view (ME BC)
- Trans-gastric midpapillary muscle short axis view (TG SAX)
- Mid-esophageal two chamber view (ME 2C)
- Mid-esophageal aortic valve short axis view (AV SAX)
- Upper esophageal ascending aorta short axis view (UE Asc. SAX; main PA view)
- Upper esophageal ascending aorta long axis view (UE Asc. LAX)
- Mid-esophageal right ventricular inflow-outflow view (ME RV I/O)
- Mid-esophageal descending aorta short axis view (ME DTA SAX)
- Mid-esophageal descending aorta long axis view (ME DTA LAX)
- Transgastric midpapillary muscle long axis view (TG LAX)
- Transgastric deep five chamber view (dTG 5C)
- Other (describe below)

Other view of video above
