

Findings and Report Viewers

All reporting modules

ACV 8.0

doc v1

Study findings are reviewed in either the *Findings viewer* or *Report viewer*. The written content is identical between the two viewers unless something has specifically configured to be excluded from the *Report viewer*. Although the example below uses an echocardiography report, the process is the same for all of ASCEND's reporting modules.

The screenshot displays the ASCEND software interface, split into two main panels. The left panel shows the 'History - transthoracic' view, and the right panel shows the 'Report' view.

History - transthoracic

- LV function (cont'd)**
 - Evaluate pre-chemotherapy
 - Evaluate post-chemotherapy
- Past medical history**
 - Prior MI on date...
 - MI
- Labs, prior procedures**
 - Prior cath on date...
 - Prior coronary stent on date...
 - Prior CABG
 - Prior CABG on date...
 - Prior transplant on date...
 - Abnormal ECG
- Patient status, risk factors**
 - Family history of CAD
 - Smoking
 - Hypertension
 - Diabetes mellitus
 - Dyslipidemia
- Allergies, diet, and meds**
 - Beta blockers
 - Calcium channel blockers

Scroll for additional content

Report

ASCEND General Hospital
 1234 Main St. Anywhere, USA 02345
 Phone: (800) 555-1234
 Fax: (800) 555-1235

Transthoracic Echocardiography
M-mode, complete 2D, and complete spectral Doppler

Patient:	Ralph Julius Lowell	Study date:	08/06/2018	Height:	177.8 cm
MRN:	#648379 (MRN)	Birth date:	01/27/1943		(70 in)
Accession:	#698aod964	Age:	75 year(s)	Weight:	90.9 kg (200 lb)
Patient location:		Birth	M	BSA:	2.14 m ²
Study status:	Routine	gender:		BMI:	28.8 kg/m ²
Facility:	East Campus	Patient status:	Outpatient	HR:	92 bpm
				BP:	150/88

Summary:

- Left ventricle: The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities.
- [New summary item](#)

Recommendations: [New recommendation](#)

Prior history: Risk factors: The patient is a former tobacco user.

Study data: Race: Black. Study status: Routine. Study location: Echo laboratory. Procedure room # 3. Consent: The risks were explained to the patient's next of kin and informed consent was obtained. Procedure: Transthoracic echocardiography was performed. Image quality was adequate. Scanning was performed from the parasternal, apical, and subcostal acoustic windows. Study completion: The patient tolerated the procedure well.

Left ventricle: The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities.

The *Findings viewer* is a concise view of the recorded findings, allowing more space for data entry by omitting the report header and diagrams, and by showing tables in a closed format.

The screenshot displays the 'Findings' viewer interface. The top navigation bar includes 'Undo', 'Redo', 'Help', 'Options', and 'LEARN'. Below this, a secondary bar contains 'Search', 'Index', 'History', 'Study', 'Measurements', 'Calculations', and 'Dia'. The 'Findings' tab is highlighted with a red box. The main content area is split into two panes. The left pane, titled 'History - transthoracic', lists various findings with expandable sections: 'LV function (cont'd)', 'Past medical history', 'Labs, prior procedures', 'Patient status, risk factors', and 'Allergies, diet, and meds'. The right pane shows a detailed view of a selected finding, starting with a 'Summary' section containing two numbered items. Below this are sections for 'Patient status, risk factors', 'Study data', 'Procedure narrative', and detailed findings for 'Left ventricle', 'Aortic valve', 'Systemic arteries', and 'Mitral valve'. A red arrow at the bottom of the left pane points to 'Scroll for additional content →'.

Findings

Summary

- Left ventricle: The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities.
- [New summary item](#)

Patient status, risk factors

The patient is a former tobacco user.

Study data

Patient is 75 year(s) old. Patient birthdate: 01/27/1943. Study date: 08/06/2018. Black. Birth gender: male. Height: 177.8 cm. Height: 70 in. Weight: 90.9 kg. Weight: 200 lb. BMI: 28.8 kg/m². BSA: 2.14 m². 92 bpm. 150/88 Transthoracic echocardiography. M-mode, complete 2D, and complete spectral Doppler. The risks were explained to the patient's next of kin and informed consent was obtained. Outpatient. Routine. Echo laboratory. Procedure room # 3. The patient tolerated the procedure well.

Procedure narrative

Transthoracic echocardiography was performed. Image quality was adequate. Scanning was performed from the parasternal, apical, and subcostal acoustic windows.

Left ventricle

The cavity size is normal. Wall thickness is normal. ^{Summary} Systolic function is normal. The estimated ejection fraction is 55-65%. ^{Summary} Wall motion is normal; there are no regional wall motion abnormalities. ^{Summary} Wall motion score: 1.00.

Aortic valve

The valve is structurally normal. The valve is trileaflet. Cusp separation is normal. Transvalvular velocity is within the normal range. There is no stenosis. There is no regurgitation.

Systemic arteries

Aortic root: The aortic root is normal-sized.

Mitral valve

The valve is structurally normal. Leaflet separation is normal. Transvalvular velocity is within the normal range.

The *Report viewer* displays the findings as they appear in the final report.

The screenshot displays the ASCEND software interface. The top navigation bar includes buttons for Undo, Redo, Help, Options, and LEARN. Below this, a secondary bar contains Search, Index, History, Study, Measurements, Calculations, and Findings. The 'Report' tab is highlighted with a red box. The main content area is split into two panels. The left panel, titled 'History - transthoracic', shows a list of medical history items such as 'Evaluate pre-chemotherapy', 'Past medical history' (including Prior MI), 'Labs, prior procedures', 'Patient status, risk factors' (including Family history of CAD, Smoking, Hypertension, Diabetes mellitus, Dyslipidemia), and 'Allergies, diet, and meds'. The right panel displays the report content for 'ASCEND General Hospital'. It includes patient information (Ralph Julius Lowell, MRN #648379), study details (Study date: 08/06/2018), and a 'Summary' section with two items: 'Left ventricle' findings and a 'New summary item' link. Below the summary are 'Recommendations' (New recommendation link) and 'Prior history' (Risk factors: The patient is a former tobacco user). The 'Study data' section provides details on race, study status, location, consent, procedure, and completion. At the bottom, a 'Left ventricle' finding is repeated with a 'Summary' icon. A red arrow at the bottom of the left panel points to 'Scroll for additional content ->'. The ASCEND logo is visible in the bottom left corner.

ASCEND General Hospital
1234 Main St. Anywhere, USA 02345
Phone: (800) 555-1234
Fax: (800) 555-1235

Transthoracic Echocardiography
M-mode, complete 2D, and complete spectral Doppler

Patient: Ralph Julius Lowell **Study date:** 08/06/2018 **Height:** 177.8 cm
MRN: #648379 (MRN) **Birth date:** 01/27/1943 (70 in)
Accession: #698aod964 **Age:** 75 year(s) **Weight:** 90.9 kg (200 lb)
Patient location: Birth M **BSA:** 2.14 m²
Study status: Routine **gender:** **BMI:** 28.8 kg/m²
Facility: East Campus **Patient status:** Outpatient **HR:** 92 bpm
BP: 150/88

Summary:

- Left ventricle:** The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities.
- [New summary item](#)

Recommendations: [New recommendation](#)

Prior history: **Risk factors:** The patient is a former tobacco user.

Study data: **Race:** Black. **Study status:** Routine. **Study location:** Echo laboratory. **Procedure room #** 3. **Consent:** The risks were explained to the patient's next of kin and informed consent was obtained. **Procedure:** Transthoracic echocardiography was performed. Image quality was adequate. Scanning was performed from the parasternal, apical, and subcostal acoustic windows. **Study completion:** The patient tolerated the procedure well.

Left ventricle: The cavity size is normal. Wall thickness is normal. **Systolic function** is normal. The estimated ejection fraction is 55-65%. **Wall motion** is normal; there are no regional wall motion abnormalities.

Scroll for additional content ->

Left-clicking on a finding in either viewer will sync directly to the location of that finding in the data entry form.

The screenshot displays a medical software interface with a dark blue header containing navigation buttons: Undo, Redo, Help, Options, and LEARN. Below the header are tabs for Search, Index, History, Study, Measurements, Calculations, and Diagnosis. The main content is split into two panels. The left panel, titled "History - transthoracic", lists various medical history items such as "LV function (cont'd)", "Past medical history", "Labs, prior procedures", and "Allergies, diet, and meds". A "Tobacco" data entry form is open in the foreground, showing a dropdown menu for "Tobacco use" with options: Former, Current, Former (highlighted in red), Never, and Nonsmoker. A red arrow points from the "Former" option in the dropdown to a finding in the right panel. The right panel, titled "Findings Report", shows a "Summary" section with two items: "1. Left ventricle: The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities." and "2. New summary item". Below this is a "Patient status, risk factors" section where the finding "The patient is a former tobacco user." is highlighted with a red box. A context menu is open over this finding, offering actions like "Delete fragment", "Delete finding", "Edit sentence", and "Enter free-text note before finding". The "Study data" section below lists patient information: "Patient is 75 year(s) old. Black. Birth gender: m. Weight: 200 lb. BMI: 2. Transthoracic echocardiography Doppler. The risks were obtained. Outpatient. The patient tolerated the procedure well." The "Procedure narrative" section describes the echocardiography procedure. The "Left ventricle" section repeats the summary text. The "Aortic valve" section notes the valve is structurally normal. The "Systemic arteries" section includes "Aortic root: The aortic root is normal-sized." and "Mitral valve". A red arrow at the bottom points to "Scroll for additional content".

To edit a sentence, right click on the finding in either viewer to display a menu with editing options.

The screenshot displays a medical software interface with a dark blue header containing navigation buttons: Undo, Redo, Help, Options, and LEARN. Below the header is a secondary navigation bar with tabs for History, Study, Measurements, Calculations, and Dia. The main content area is split into two panes. The left pane, titled 'History - transthoracic', contains a list of medical categories and their associated actions, such as 'LV function (cont'd)', 'Past medical history', 'Labs, prior procedures', 'Patient status, risk factors', and 'Allergies, diet, and meds'. The right pane, titled 'Findings Report', shows a 'Summary' section with two numbered items. The second item, 'New summary item', is highlighted with a red box, and a context menu is open over it. The context menu includes options: 'Delete fragment', 'Delete finding', 'Summary Set Summary', 'Edit sentence', and 'Enter free-text note before finding'. Below the 'Summary' section, other finding categories like 'Patient status, risk factors', 'Study data', 'Procedure narrative', 'Left ventricle', 'Aortic valve', 'Systemic arteries', and 'Mitral valve' are visible.

Undo Redo Help Options LEARN

Search Index History Study Measurements Calculations Dia Findings Report

History - transthoracic

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LV function (cont'd)

- Evaluate pre-chemotherapy
- Evaluate post-chemotherapy

Past medical history

- Prior MI on date...
- MI

Labs, prior procedures

- Prior cath on date...
- Prior coronary stent on date...
- Prior CABG
- Prior CABG on date...
- Prior transplant on date...
- Abnormal ECG

Patient status, risk factors

- Family history of CAD
- Smoking
- Hypertension
- Diabetes mellitus
- Dyslipidemia

Allergies, diet, and meds

- Beta blockers
- Calcium channel blockers

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Summary

- Left ventricle: The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities.
- New summary item

Patient status, risk factors

The patient is a former tobacco user.

Study data

Patient is 75 year(s) old. Patient Black. Birth gender: male. Height: 5'8". Weight: 200 lb. BMI: 28.8 kg/m². Transthoracic echocardiography. Doppler. The risks were explained and obtained. Outpatient. Routine. The patient tolerated the procedure well.

Procedure narrative

Transthoracic echocardiography was performed. Image quality was adequate. Scanning was performed from the parasternal, apical, and subcostal acoustic windows.

Left ventricle

The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities. Wall motion score: 1.00.

Aortic valve

The valve is structurally normal. The valve is trileaflet. Cusp separation is normal. Transvalvular velocity is within the normal range. There is no stenosis. There is no regurgitation.

Systemic arteries

Aortic root

The aortic root is normal-sized.

Mitral valve

The valve is structurally normal. Leaflet separation is normal. Transvalvular velocity is within the normal range.

Scroll for additional content →

Selecting *Edit sentence* results in the display of a sentence editor which supports the ability to enter free text to modify the sentence. Click the *Done* button to save the edits and insert the sentence into the report.

Undo Redo Help Options LEARN

Edit sentence

Sentence from KB

The patient is a former tobacco user.

Current sentence

Former tobacco user. |

Done Cancel

Sentence edits should not change

- The basic meaning of a finding
- Any numeric values or units

Such changes should be made using the data entry forms.

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regurgitation. []

Scroll for additional content →

Left-clicking the note icon next to a sentence opens a text box allowing the entry of free text.

The screenshot displays a medical software interface with a dark blue header containing navigation buttons: Undo, Redo, Help, Options, and LEARN. Below the header, there are tabs for History, Study, Measurements, Calculations, and Dia. The main content area is divided into two panels. The left panel, titled 'History - transthoracic', contains a list of medical conditions with checkboxes and expandable sections for 'Past medical history', 'Labs, prior procedures', 'Patient status, risk factors', and 'Allergies, diet, and meds'. The right panel, titled 'Findings', shows a report with sections for 'Patient status, risk factors', 'Study data', 'Procedure narrative', 'Left ventricle', 'Aortic valve', 'Systemic arteries', and 'Mitral valve'. A red arrow points to a note icon (a small square with a document symbol) next to the text 'Former tobacco user' in the 'Patient status, risk factors' section. At the bottom of the left panel, there is a red text prompt: 'Scroll for additional content →'.

Right-clicking on a finding also provides access to controls for deleting a fragment of the finding, the entire finding, or adding the finding to the *Summary* that appears as a list at the top of the report.

The screenshot displays a medical software interface with a dark blue header containing navigation buttons: Undo, Redo, Help, Options, and LEARN. Below the header, there are tabs for Search, Index, History, Study, Measurements, Calculations, and Dia. The main content area is split into two panels. The left panel, titled "History - transthoracic", lists various medical conditions and procedures, including "Past medical history", "Labs, prior procedures", "Patient status, risk factors", and "Allergies, diet, and meds". The right panel, titled "Findings", shows a detailed report for "Transthoracic echocardiography". A context menu is open over a finding, with a red box highlighting the options: "Delete fragment", "Delete finding", "Edit sentence", and "Enter free-text note before finding".

History - transthoracic

LV function (cont'd)

- Evaluate pre-chemotherapy
- Evaluate post-chemotherapy

Past medical history

- Prior MI on date...
- MI

Labs, prior procedures

- Prior cath on date...
- Prior coronary stent on date...
- Prior CABG
- Prior CABG on date...
- Prior transplant on date...
- Abnormal ECG

Patient status, risk factors

- Family history of CAD
- Smoking
- Hypertension
- Diabetes mellitus
- Dyslipidemia

Allergies, diet, and meds

- Beta blockers
- Calcium channel blockers

Findings Report

Transthoracic echocardiography. M-mode, complete 2D, and complete spectral Doppler. The risks were explained to the patient's next of kin and informed consent was obtained. Outpatient. Routine. Echo laboratory. Procedure room # 3. The patient tolerated the procedure well.

Procedure narrative

Transthoracic echocardiography was performed. Image quality was adequate. Scanning was performed from the parasternal, apical, and subcostal acoustic windows.

Left ventricle

The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities. Wall motion score: 1.00.

Aortic valve

The valve is structurally normal. The valve is trileaflet. Cusp separation is normal. Transvalvular velocity is within the normal range. There is no stenosis. There is no regurgitation.

Systemic arteries

Aortic root: The aortic root is normal-sized.

Mitral valve

The valve is structurally normal. Leaflet separation is normal. Transvalvular velocity is within the normal range. There is no significant regurgitation.

Left atrium

The atrium is normal in size.

Right ventricle

The cavity size is normal.

Pulmonic valve

Transvalvular velocity is within the normal range. There is no regurgitation.

Pulmonary artery

The main pulmonary artery is normal-sized. The tricuspid jet envelope definition is

The numbered findings in the *Summary* section of the report can be reordered by means of a drag and drop action. Hovering over the number associated with the finding will highlight the finding in a dotted box and the mouse cursor will change to a double-headed vertical arrow. Click and drag up or down to the desired position in the *Summary list*.

The screenshot displays the ASCEND software interface. On the left, the 'History - transthoracic' section is visible, showing various medical history categories like 'Past medical history', 'Labs, prior procedures', 'Patient status, risk factors', and 'Allergies, diet, and meds'. The main area on the right shows the 'Summary' section of a report. The first finding, '1. Left ventricle: The cavity size is normal. Wall thickness is normal. Systolic function is normal. The estimated ejection fraction is 55-65%. Wall motion is normal; there are no regional wall motion abnormalities.', is highlighted with a dotted border. A red arrow points to the number '1', and a double-headed vertical arrow cursor is positioned over it, indicating a drag-and-drop action. Below the summary, other sections like 'Patient status, risk factors', 'Study data', 'Procedure narrative', and 'Left ventricle' are visible. At the bottom of the interface, there is a red text prompt: 'Scroll for additional content →'.



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