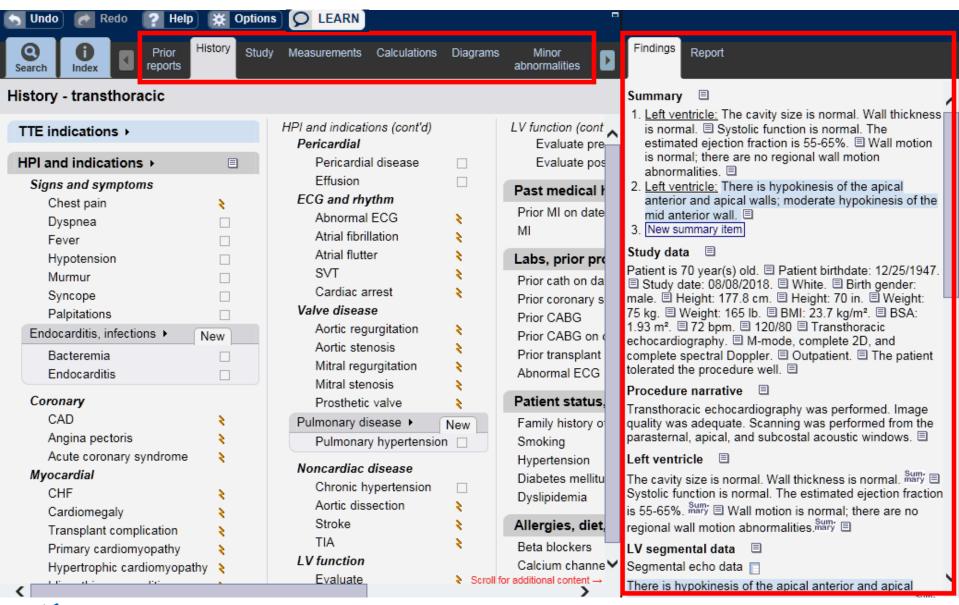# Interface Overview
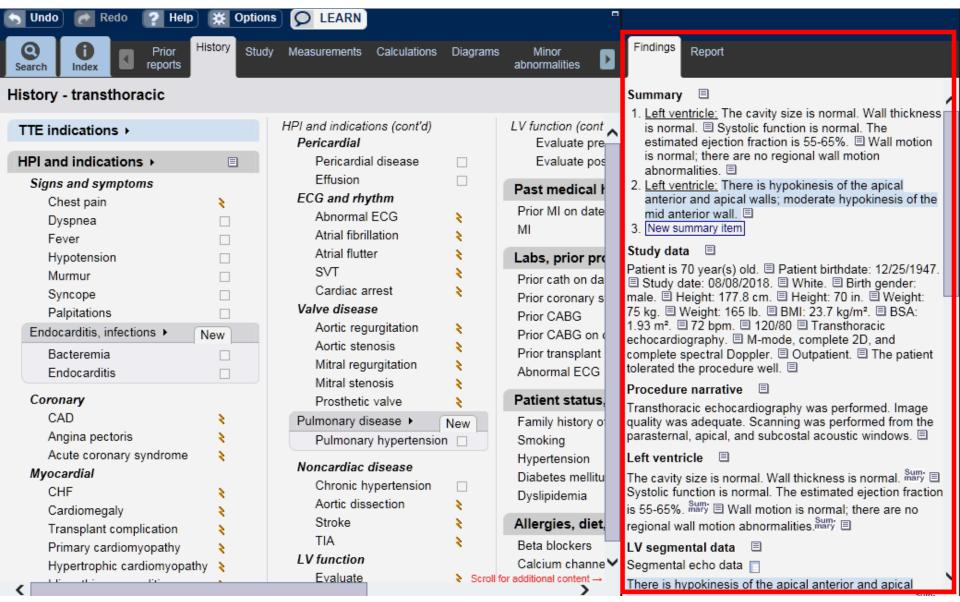## All reporting modules

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The ASCEND reporting interface is split into two sides. The data entry tabs are shown on the left and recorded findings appear in the viewers on the right. The following examples use an echocardiography study, but the basic interface is the same for all of ASCEND's reporting modules. Let's start by considering the viewers on the right.

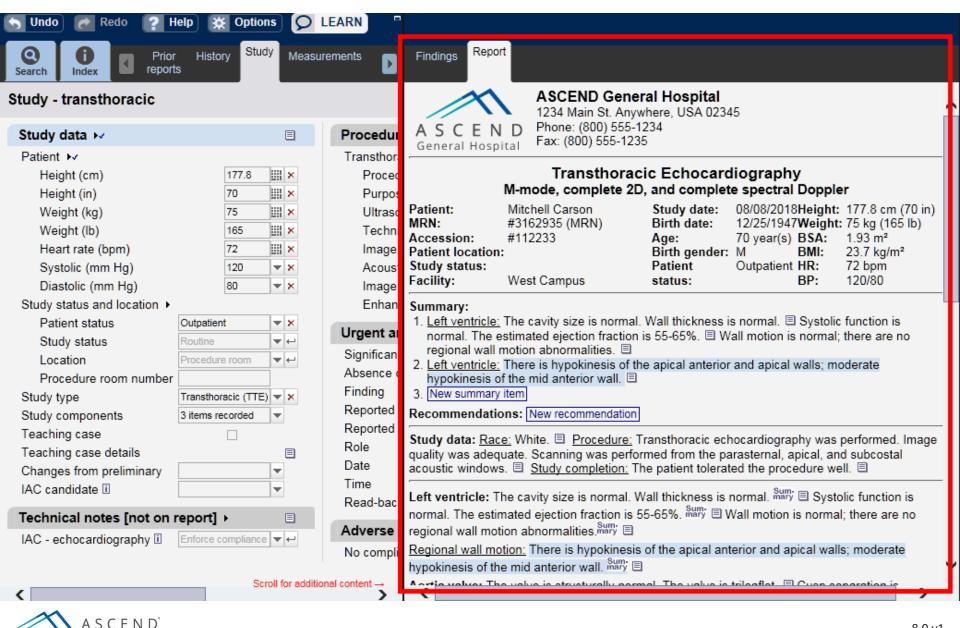The *Findings viewer* is a list of reported findings organized into anatomic and functional sections.

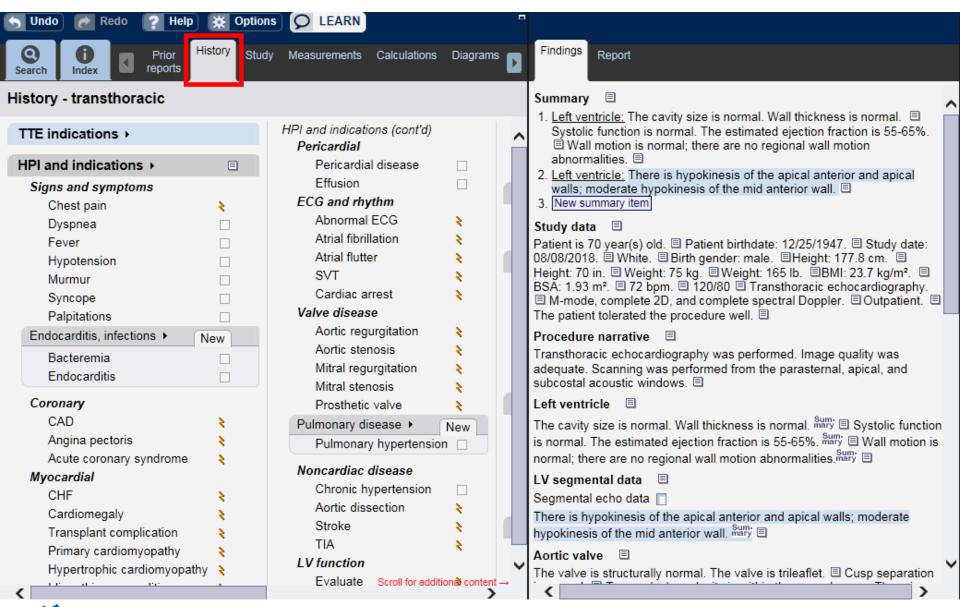The *Findings viewer* also shows content as it is being entered into the system.

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The *Report viewer* shows content as it will appear in the final report. The sentences that appear in the *Findings viewer* and *Report viewer* are the same and are editable, although the *Report viewer* also includes headings, tables, and measurements, while the *Findings viewer* does not.

The data entry forms appear on the left side of the interface and are organized into related groups called **Tabs**. The *History* tab is selected and displayed below.
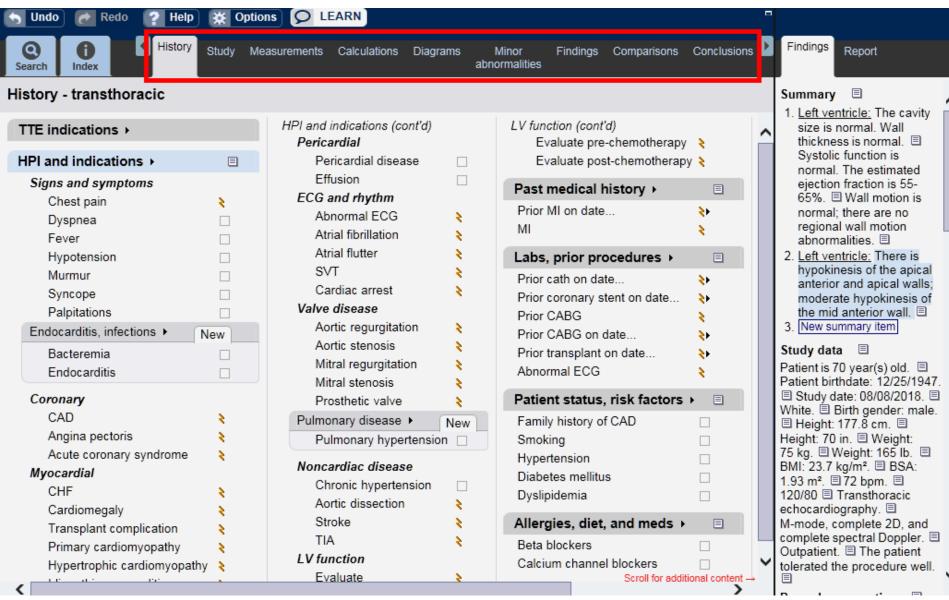
Within the tabs, data can be entered into data entry fields that are directly on the tab, or additional content can be accessed by clicking on finding group headings. In this example, *HPI and indications* is a finding group heading. Clicking the heading opens all of the data entry forms and content associated with patient history.
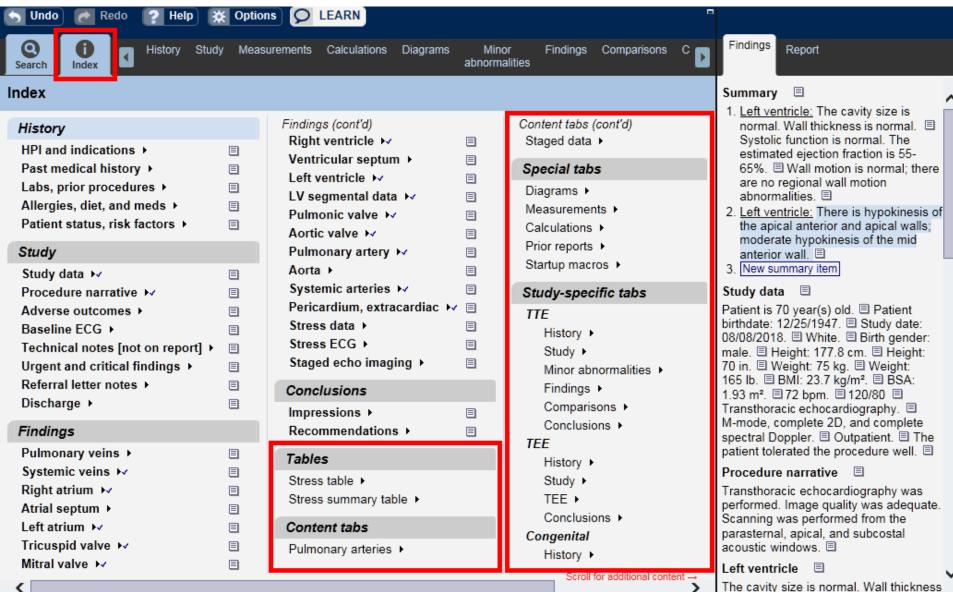
Tab sets are a group of tabs that represent the work flow for the selected study. The example shown below is the tab set for a complete transthoracic echo study.
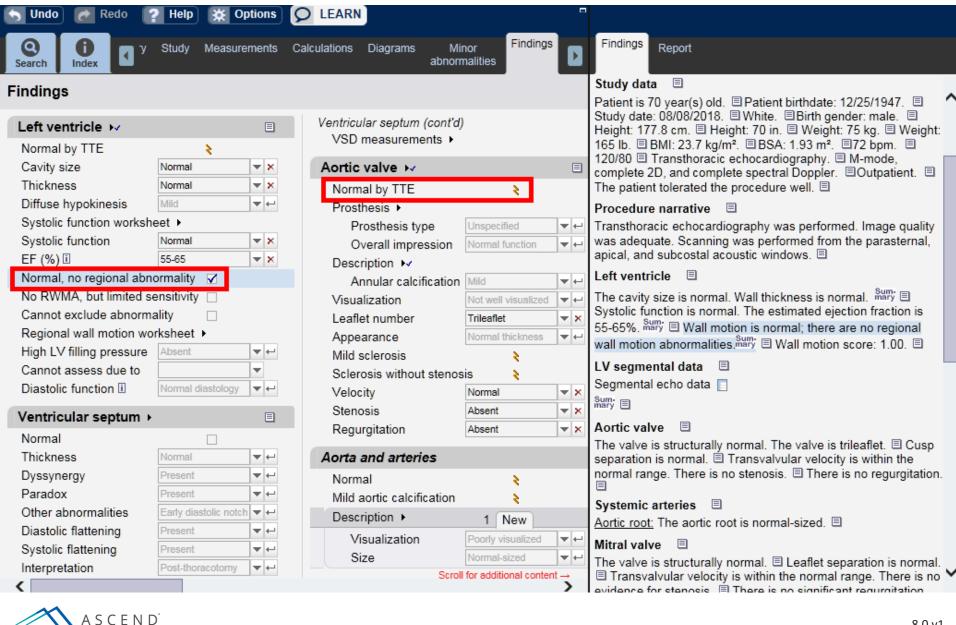
The *Index* tab is a special tab that gives access to all of the content within the reporting interface, in addition to the major tabs for the different study types.
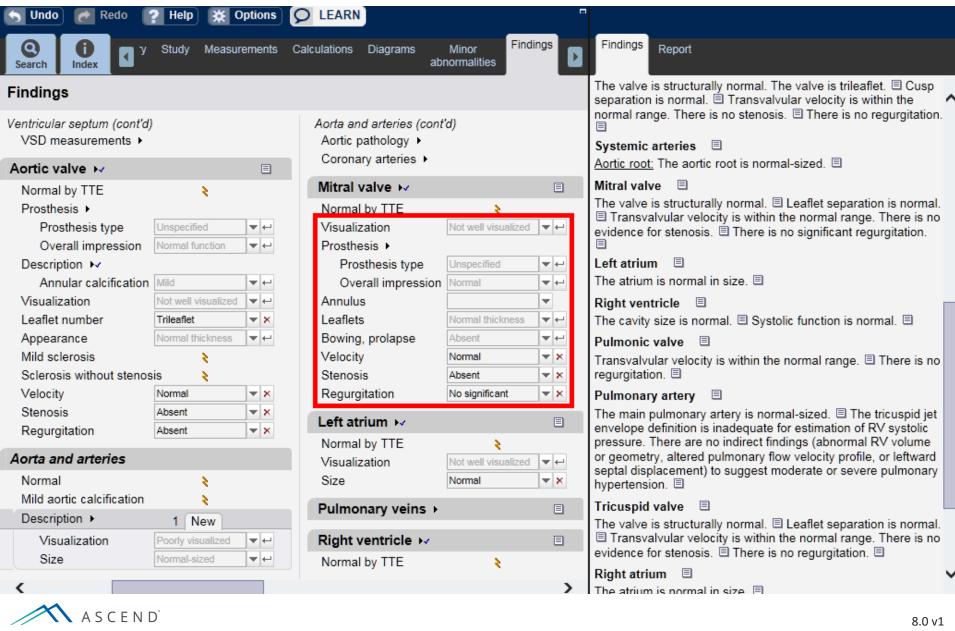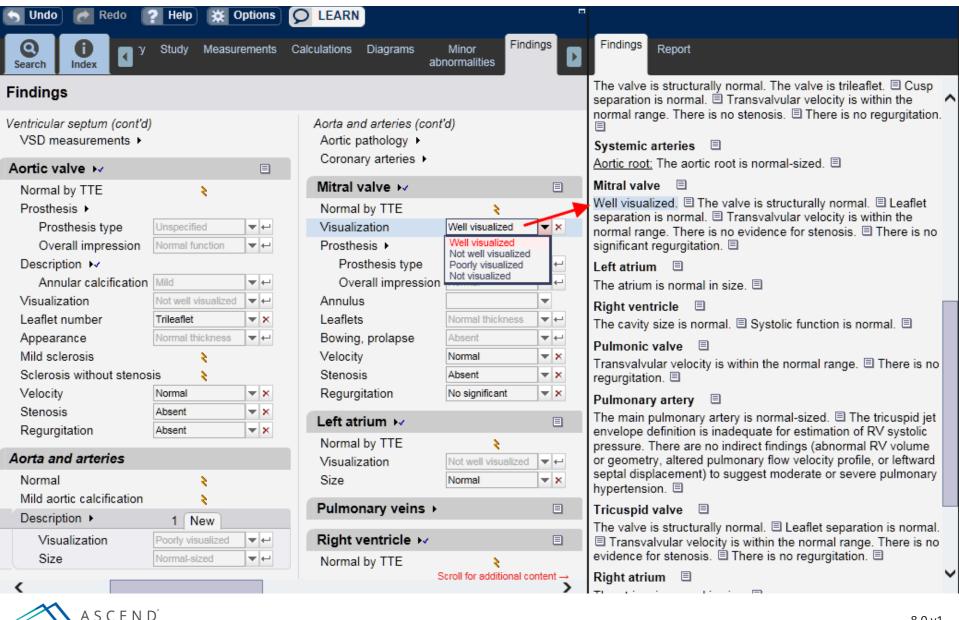
Study findings can be entered through the data entry forms located in each tab by selecting items from a combination of **pick lists**, **checkboxes**, or **quick report macros**. **Quick report macros** are indicated by a lightning bolt icon.

Pick lists allow the entry of single or multiple findings into the report. They are designated with a down arrow after the text field. Below is an example of a column of pick lists.
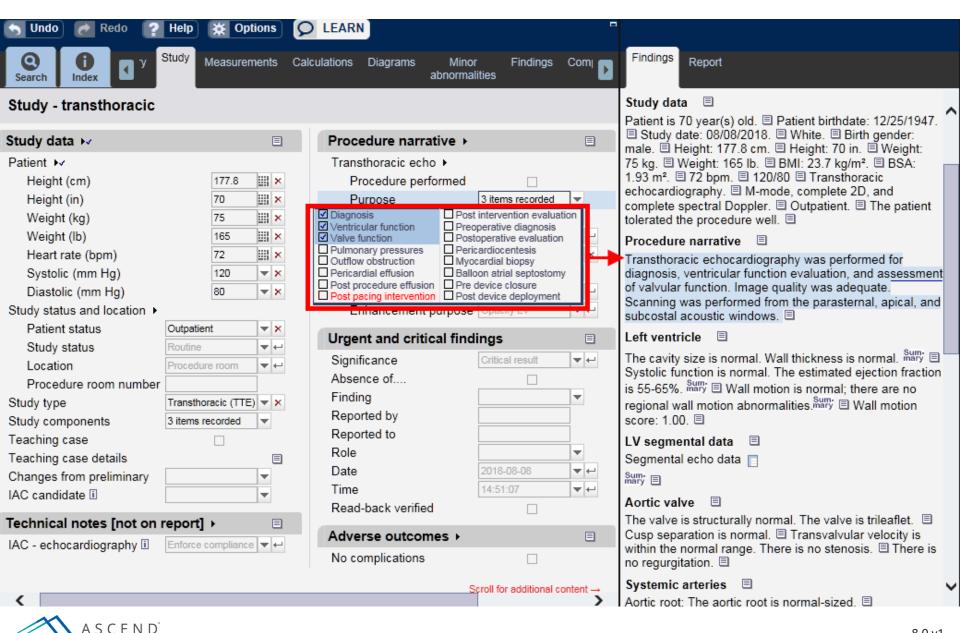
Statements can be inserted into the report by selecting a single finding from a pick list.
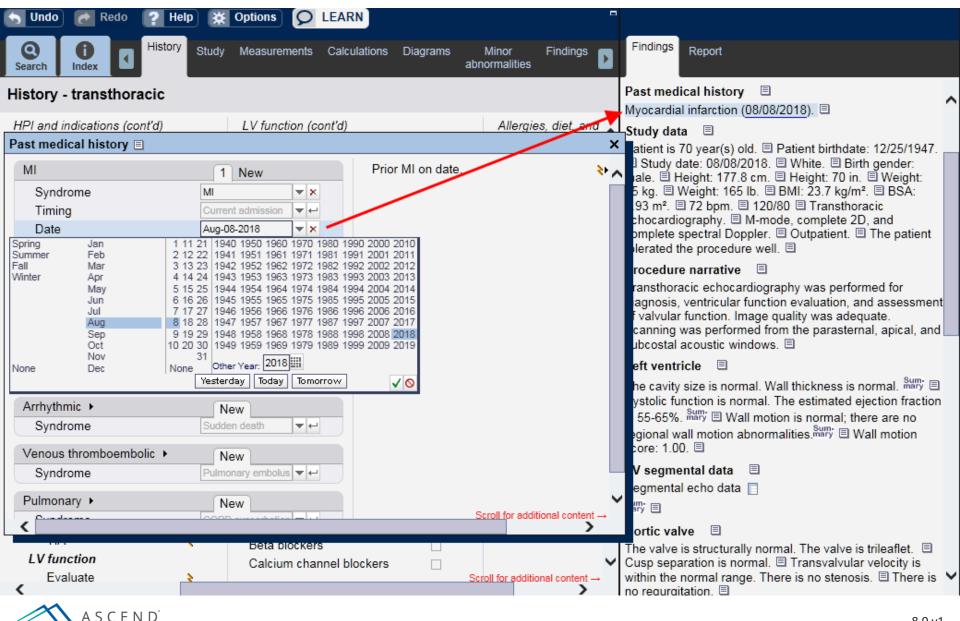
Default entries for pick lists appear as grayed text. A default entry can be recorded with a single click by using the *Return/Enter* icon next to the downward-facing arrow. When a selection is made, this icon becomes a *Delete* icon which, when clicked, removes the corresponding statement from the report.

Multi select pick lists are used to select more than one item to create a sentence.

Special controls in some pick lists let support the entry of date and/or time. They can be used to enter imprecise dates such as 2018, summer of 2018, and August 2018, or exact dates such as 08/08/2018.

Select or Type pick lists support the ability to choose an item from a list or to add a new item via the text field. In the example shown below, *Cardiology Suite* was typed in the text field to specify the study location.

Checkboxes are used to toggle the inclusion/removal of a single finding in the report. *Normal, no regional abnormality* is an example of a finding that can be recorded with a checkbox. When this checkbox is unchecked, the corresponding statement is removed from the report.
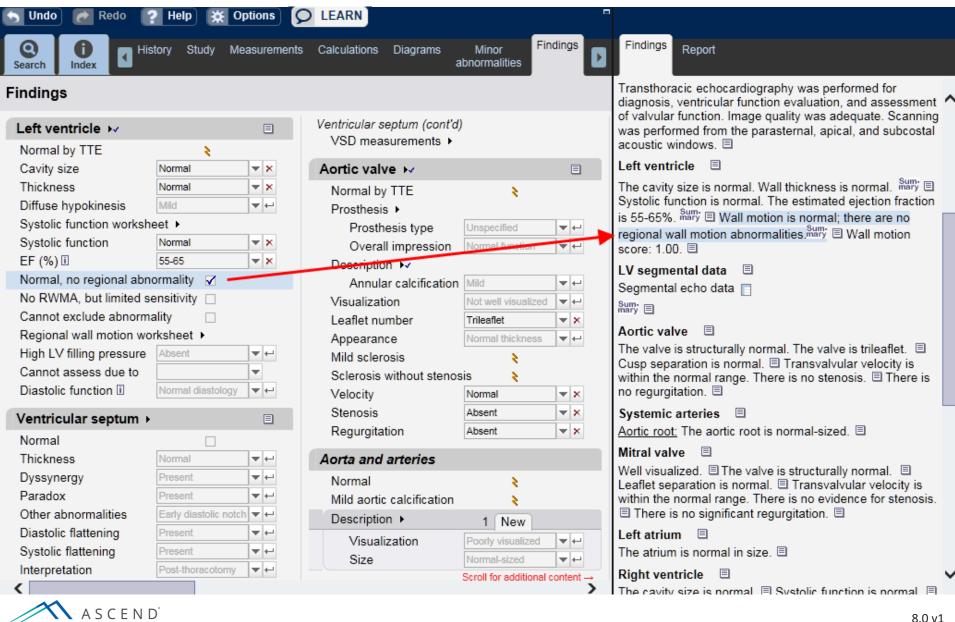
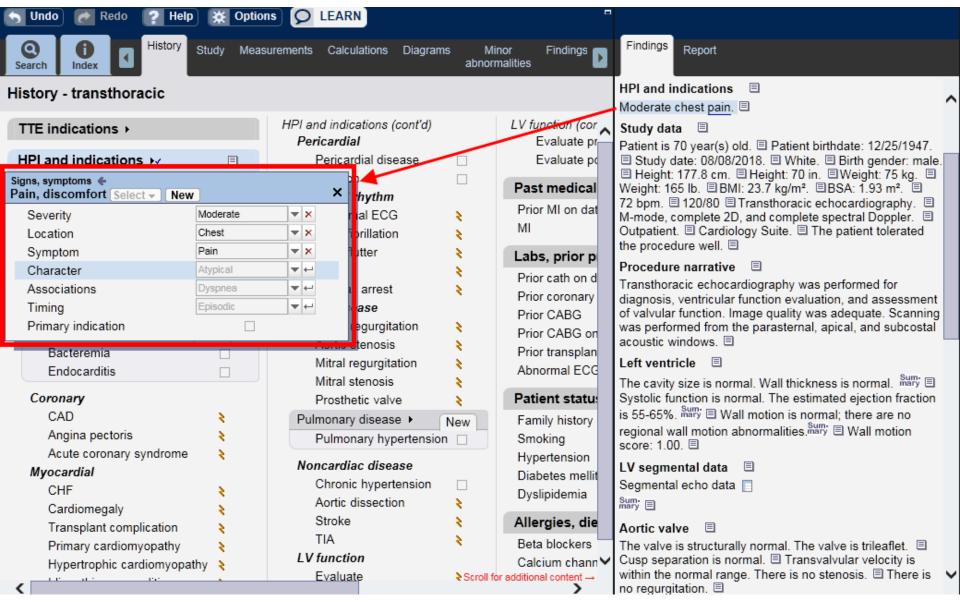**Quick report macros** can be configured to record multiple findings with a single click. When clicked, the *Normal by TTE* quick report macro records all of the normal statements highlighted in blue in the *Findings viewer* in the example below.

The *Findings viewer* and *Report viewer* support bidirectional communication with the data entry forms on the tabs. Clicking on a finding in either of the viewers automatically syncs to and displays the form through which it was entered.

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