The Easiest Way to Learn Ultrasonography®

SonoSim® CaseBuilder

User Guide

17.6.16.0

U.S. Patent No. 8,480,404. U.S. Patent No. 8,297,983.

Thank you for purchasing SonoSim® CaseBuilder.
We hope you enjoy your ultrasound education experience.

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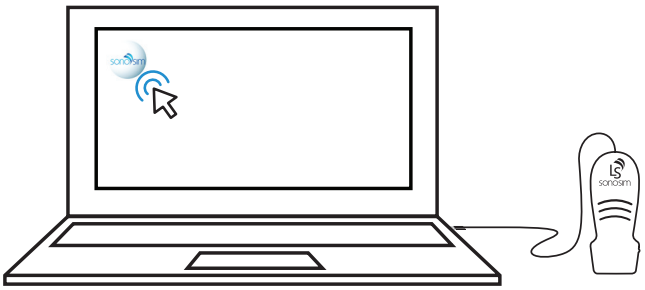
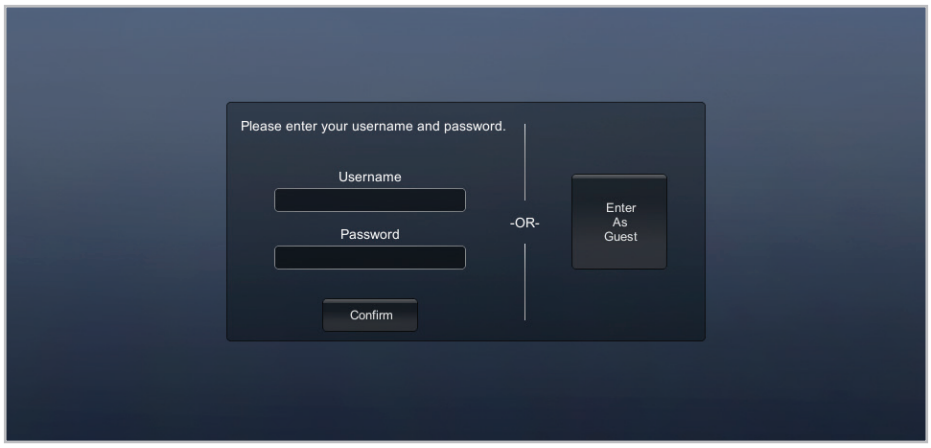
When using CaseBuilder for the first time or after upgrading the SonoSim® software, access CaseBuilder from the SonoSim® Ultrasound Training Solution. You will need a high-speed internet connection. For best results, it is recommended that the Google Chrome web browser is used. To ensure this, please make Google Chrome your default browser.

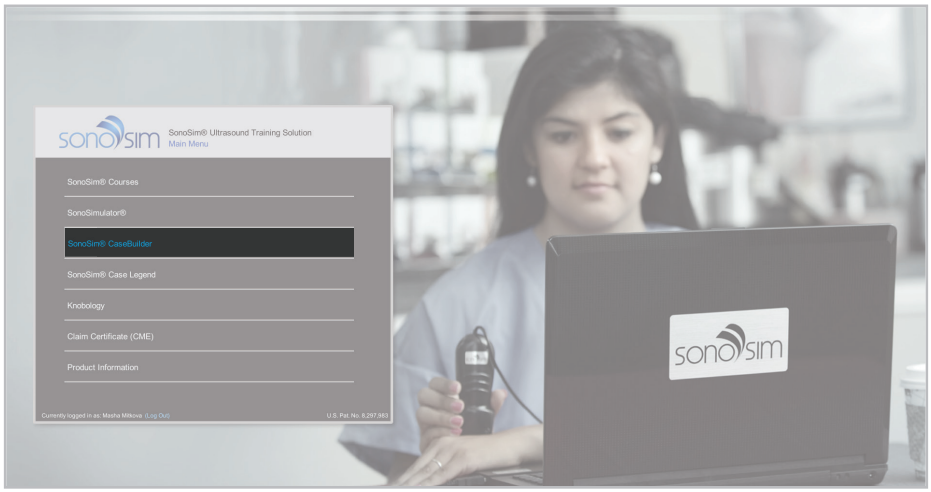
Double-click on the SonoSim® Ultrasound Training Solution icon to launch the application.



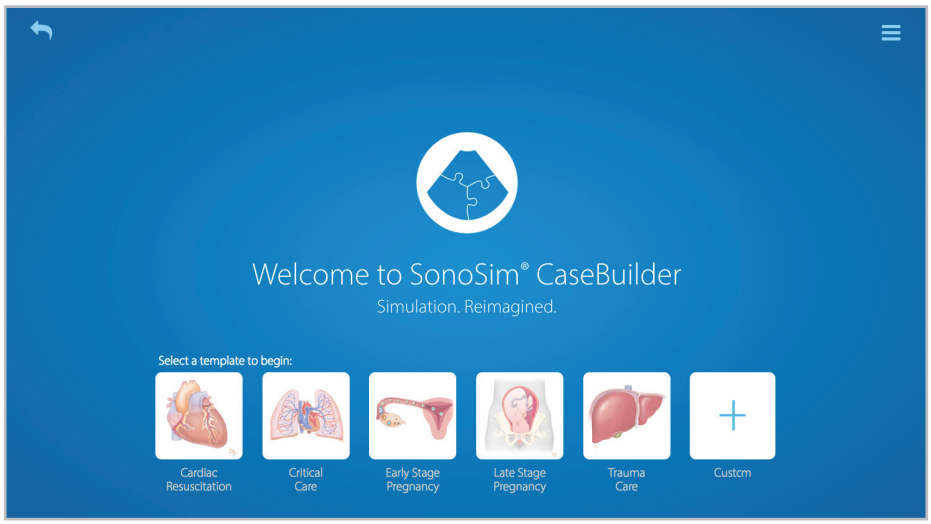
Log in to your account.



From the Main Menu of the SonoSim® Ultrasound Training Solution, click **SonoSim® CaseBuilder**. Note: Only users with permission to author SonoSim® CaseBuilder cases will have this item available in their Main Menu. To add another SonoSim® CaseBuilder author to your license, please contact SonoSim Support.

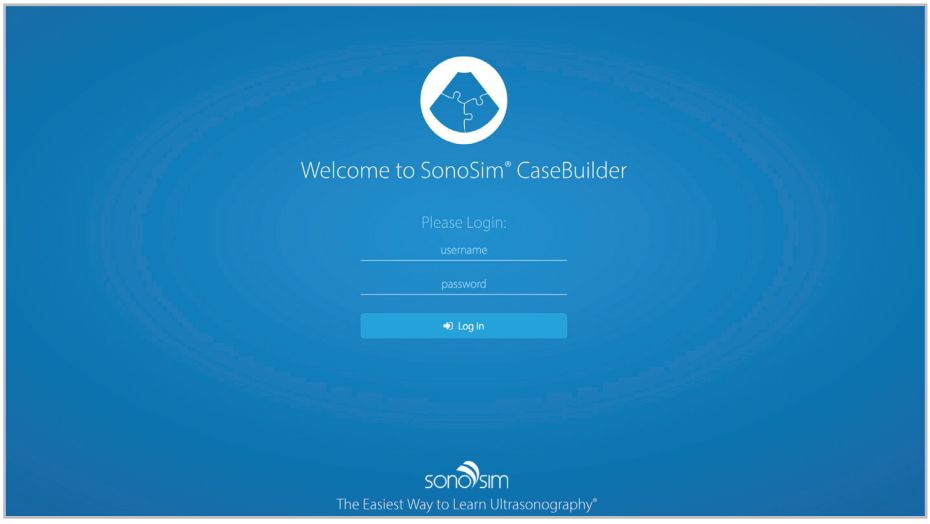


This launches the page for SonoSim® CaseBuilder.



Subsequently, you may continue accessing CaseBuilder through the SonoSim® Ultrasound Training Solution's Main Menu, or you may choose to access it directly from your web browser. Use a computer or tablet to open a Chrome browser window and enter the following url: **https://casebuilder.sonosim.com**

This will take you to the login page, where you can input your SonoSim username and password to enter CaseBuilder.



From any page within the SonoSim® CaseBuilder site, you will see a menu icon at the top right corner of the page. This menu consists of:

Case Library- View your saved cases

Build New Case- Create new cases

Import Case- Import SonoSim LiveScan® Case

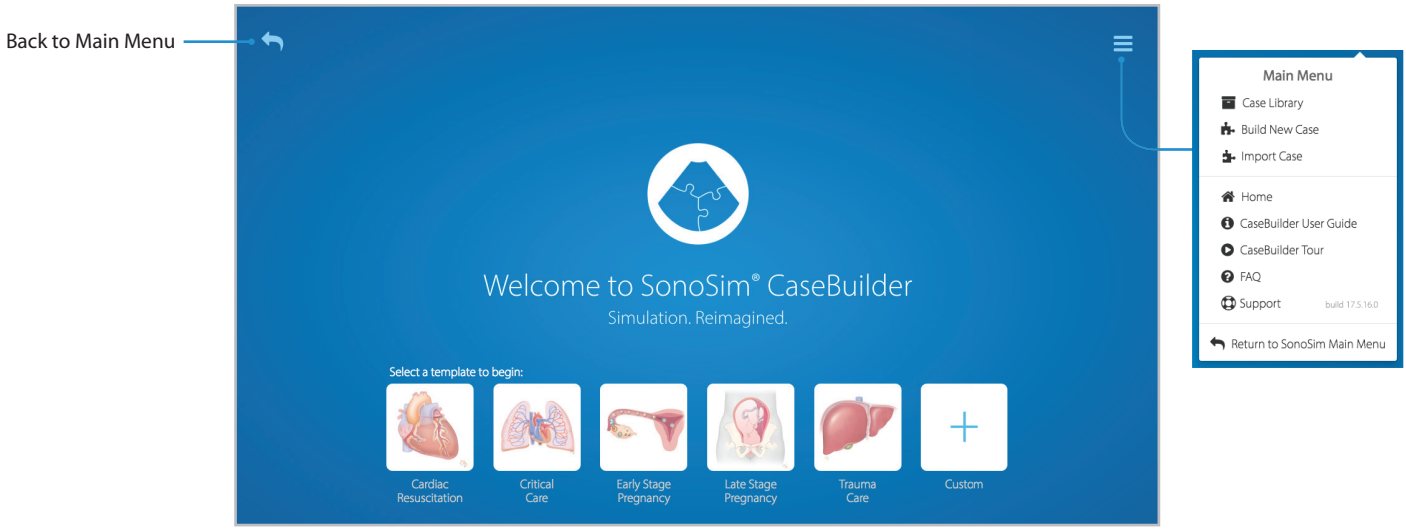
Home- Return to the Home page

CaseBuilder User Guide and **CaseBuilder Tour-** Learn about SonoSim® CaseBuilder

FAQ- Find answers to frequently asked questions

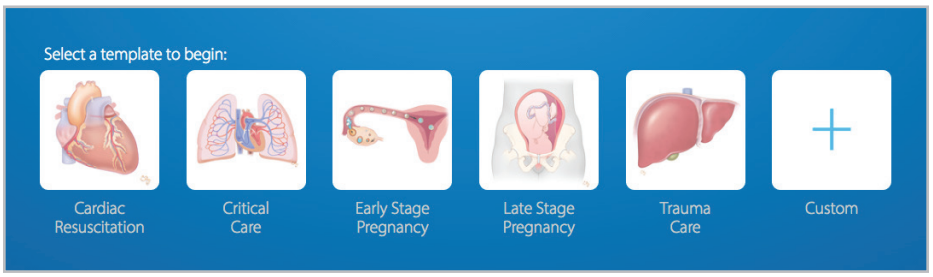
Support- Contact SonoSim Support to get help or provide feedback

Return to SonoSim Main Menu- Return to the SonoSim® Ultrasound Training Solution's Main Menu

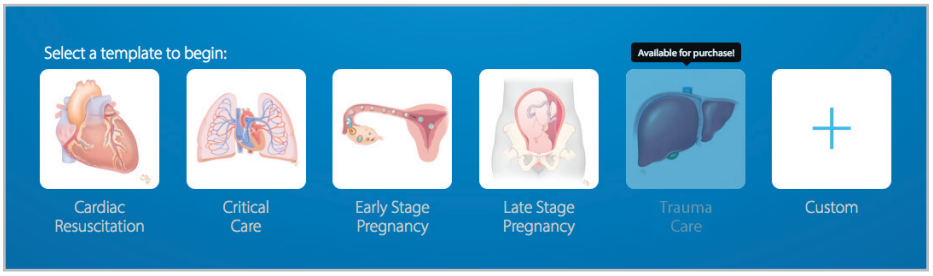


The arrow in the upper left corner of the SonoSim® CaseBuilder home page can also be clicked to **return you to the SonoSim® Ultrasound Training Solution's Main Menu.**

From the SonoSim® CaseBuilder home page, select a template to begin building a case.



A series of predefined templates as well as a customizable template are available for you to use when building cases. All available templates will be shown on the home page, but you will only be able to select and build using the templates that correspond with SonoSim LiveScan® Packages you have purchased. Templates for packages you do not currently own will be greyed out and will indicate that they are available for purchase.



The predefined templates are configured to match specific ultrasound imaging protocols and require you to populate each included image window with an ultrasound data set.

The **Custom** template allows you to use as many or as few image windows as you would like, and all image windows found in your purchased SonoSim LiveScan® Packages are available for selection (based on the body model you choose).

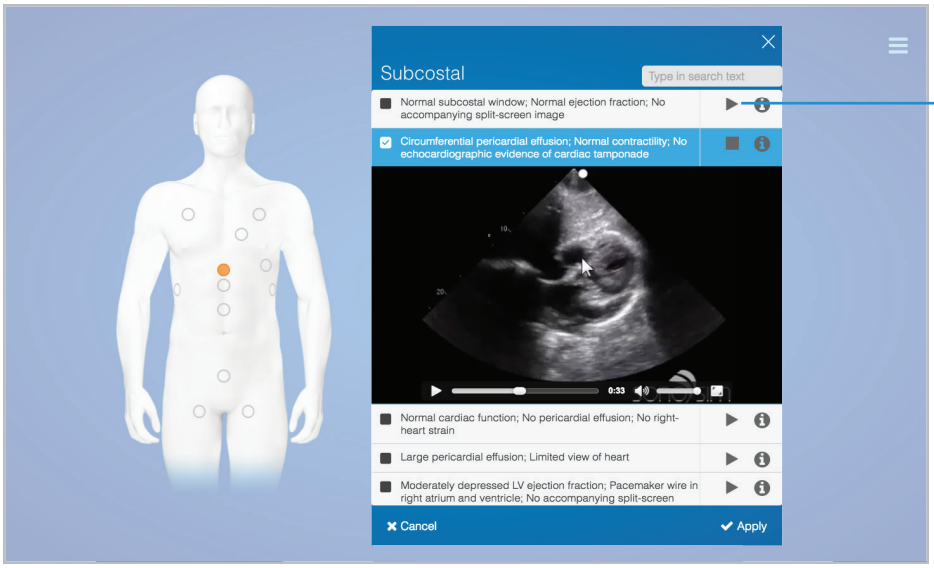
The template you choose from the home page can be changed at any time within the case building page.

Once you have selected a template from the home page, you will be taken to the case building page. Enter a **Case Title** and a **Case History** to describe your case. The Case Title allows you to identify the case in the Case Library of SonoSim® CaseBuilder, and the Case History will appear in the SonoSimulator® when you open your case.

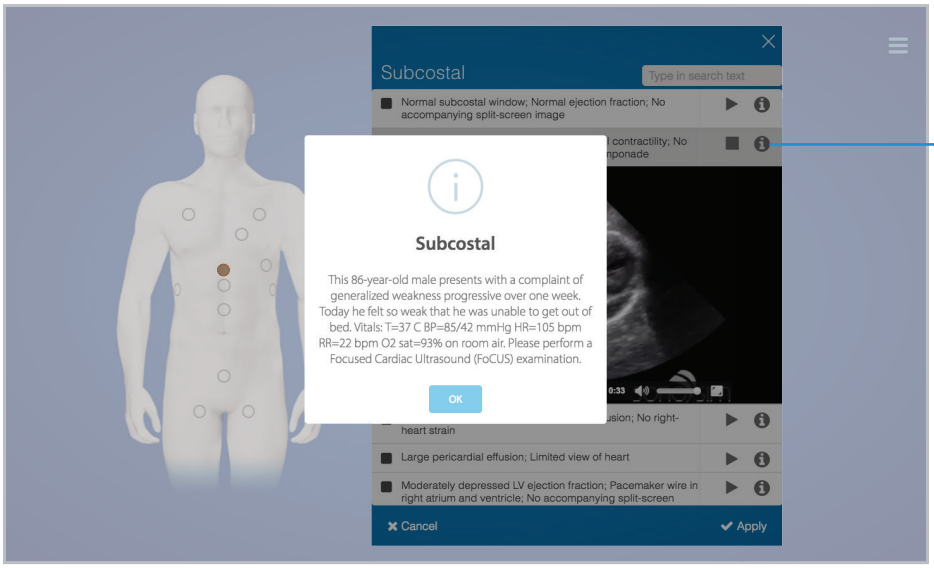
The points on the body model indicate ultrasound image windows. Each template will have a different set of image windows.

Click on a point to select an ultrasound data set. The point on the body model will turn orange, and a list of possible ultrasound data sets for that image window will appear. The list includes paired text descriptions of findings and Findings videos for the ultrasound data sets available for selection.

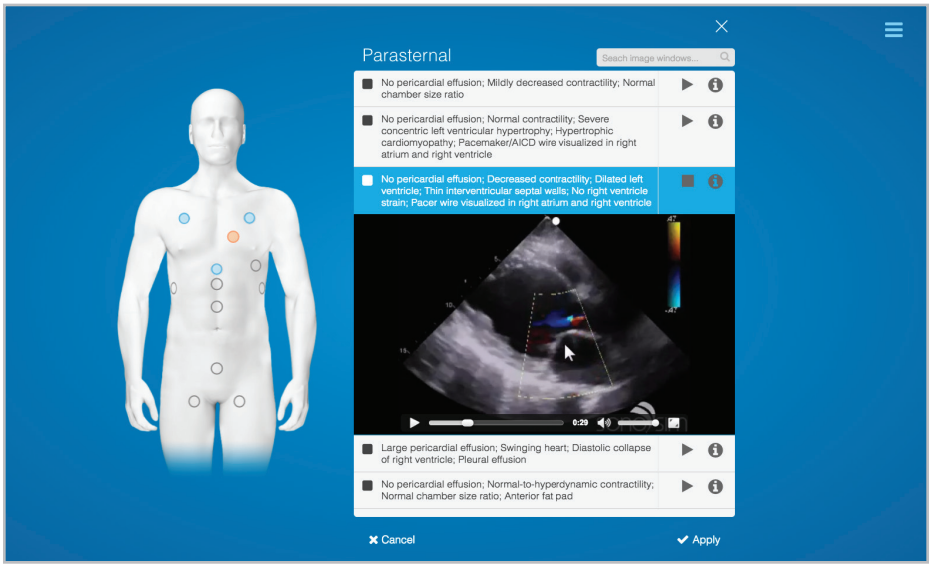
The Findings video for each point can be played by clicking the ▶ **play button** following the ultrasound data description.



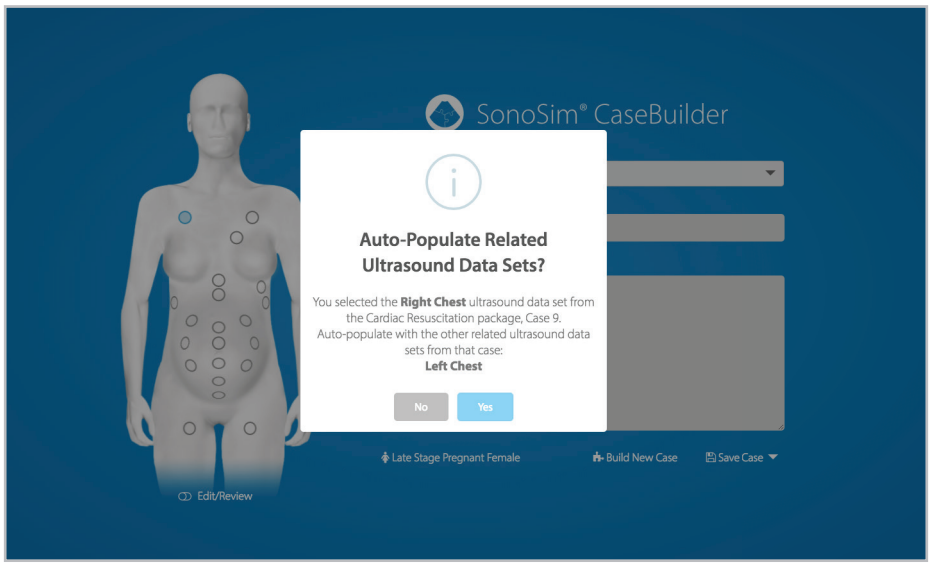
The Case History of the case from which the ultrasound data set came can be viewed by clicking the ⓘ **information symbol**. The Case History often includes the heart rate and respiration rate that is portrayed in the ultrasound data set.



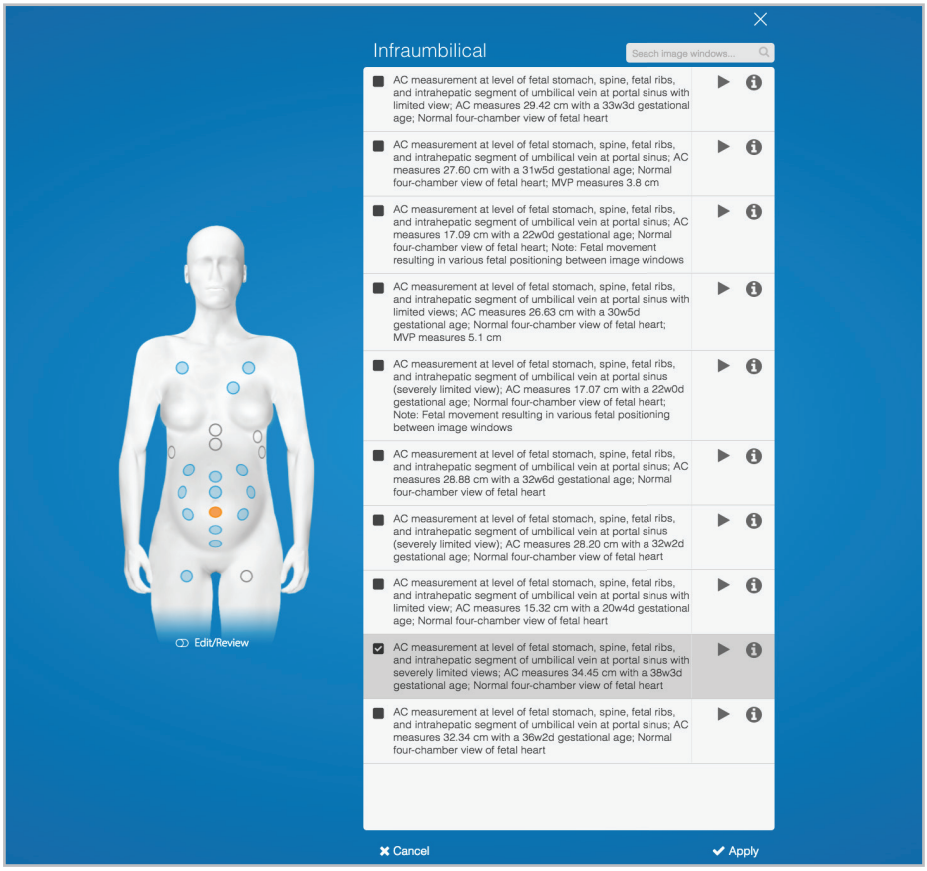
Once you have chosen an ultrasound data set for your selected image window, click ✔**Apply**. The corresponding point on the body model image will turn blue, indicating that you have selected data for that point.



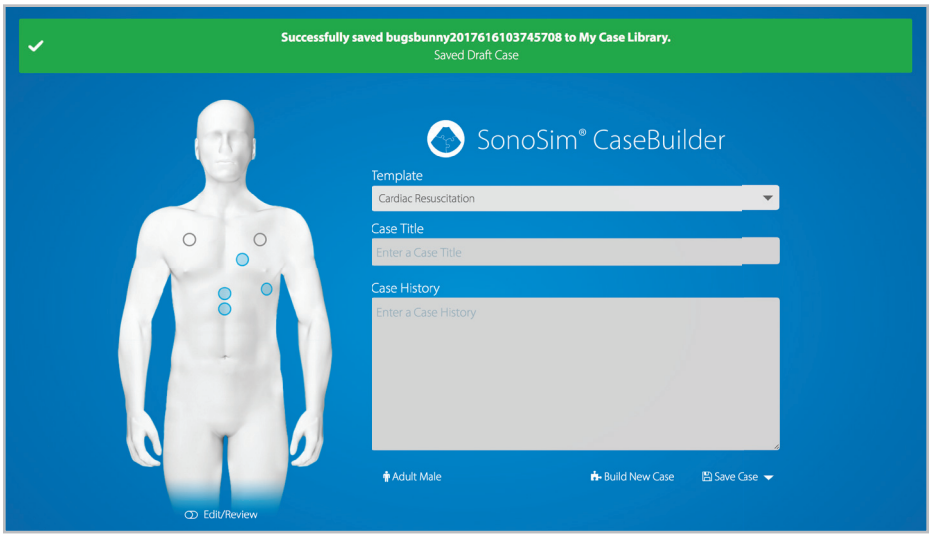
After applying an ultrasound data set for an imaging window, you may be asked if you would like to auto-populate related points with ultrasound data sets from the same case as the ultrasound data set you just selected. Auto-populating is an option for certain locations within three groups:
1- Lung Group: right chest and left chest
2- Heart Group: parasternal, apical, subcostal, and proximal IVC
3- Late Stage Pregnancy Group: six para uterine points, upper & lower uterus points, and two umbilical points



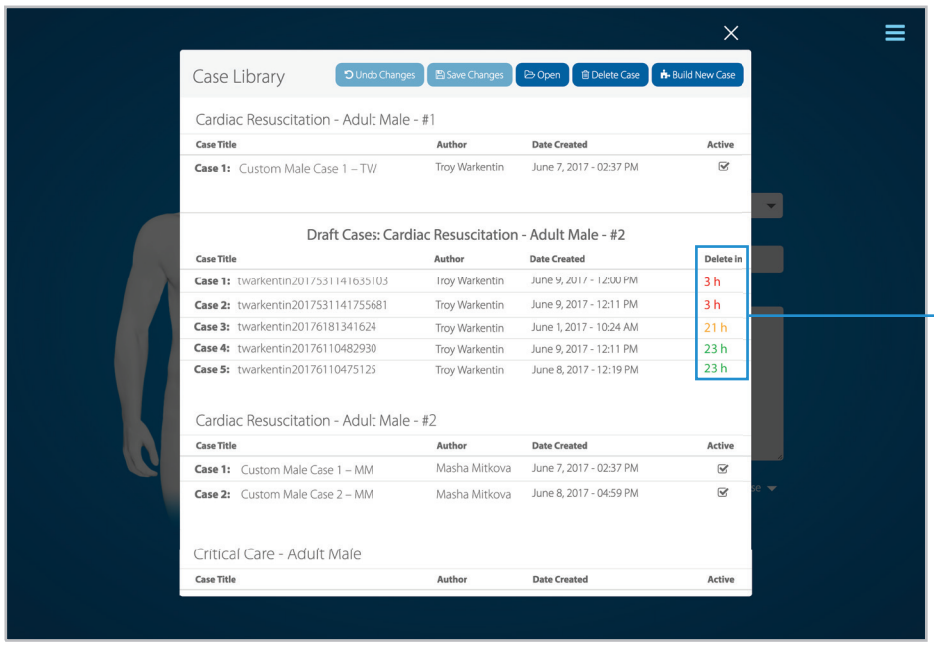
If you Click **Yes**, and choose to auto-populate, you can still select different ultrasound data sets for locations within the auto-populated group at a later time.



A draft of your case will be periodically autosaved.

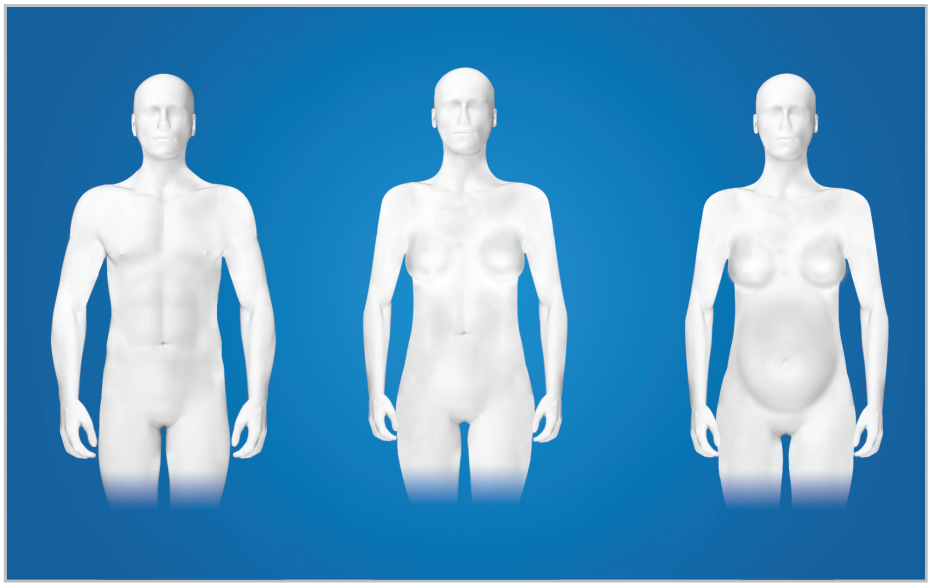


The draft is saved to the **Draft Cases** subfolder in the Case Library, with the draft title containing the username and the date timestamp. Each draft is set to auto-delete 24 hours after creation and changes color as it nears expiration. You may also chose to delete a draft at any time within the 24-hour period.



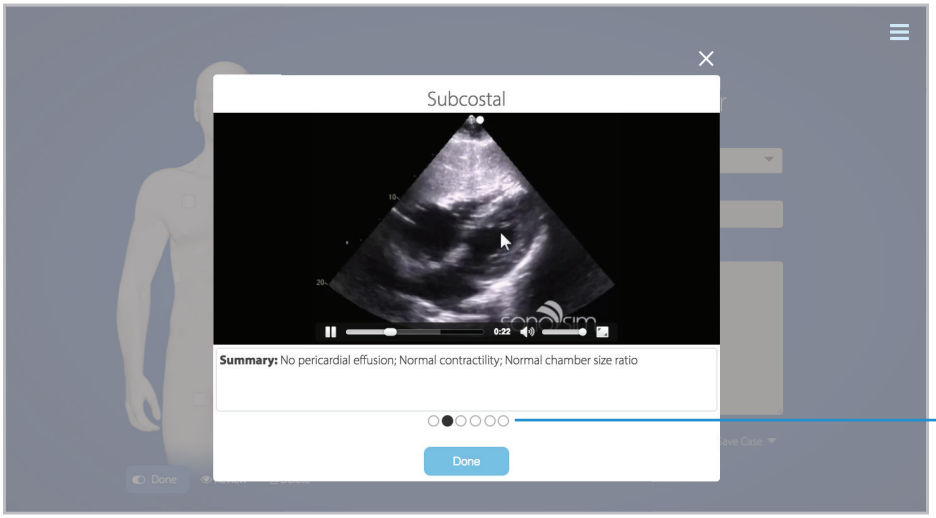
The body model for your case can be changed by clicking the **body model** button beneath the entry fields.

When using a Custom template, the body model options will cycle through **Adult Male** and **Adult Female** if you have purchased Cardiac Resuscitation, Critical Care, or Trauma Care SonoSim LiveScan® Packages. If you have purchased Early Stage Pregnancy and Late Stage Pregnancy SonoSim LiveScan® Packages, the options for Custom will also contain **Early Stage** and **Late Stage Pregnancy** body models. Each body model will bring up a different set of available image windows.



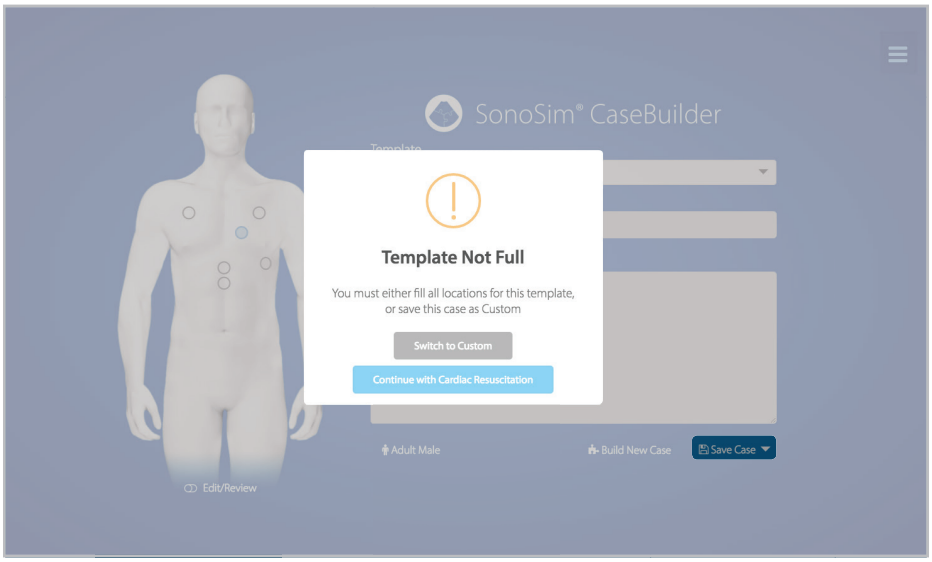
To review the case you have built so far, click the **Edit/Review** button beneath the body model. The points on the body model will become check boxes, and you can select exactly which points you would like to review. The ultrasound data set selections for the checked points can also be cleared by clicking **Delete**.

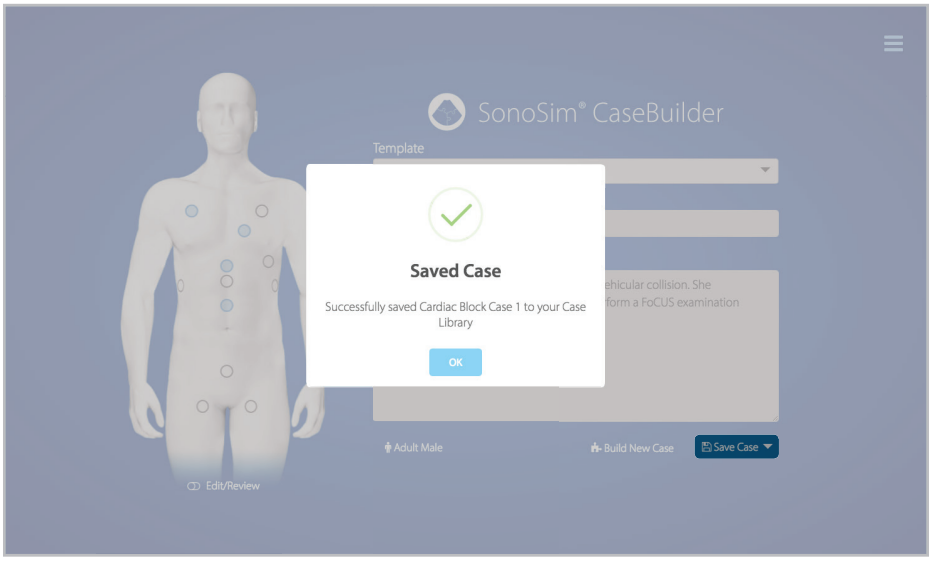
Click the **Review** button to navigate through all of the image window selections you have made. View the descriptions and the Findings videos for each ultrasound data set you have selected for your case.



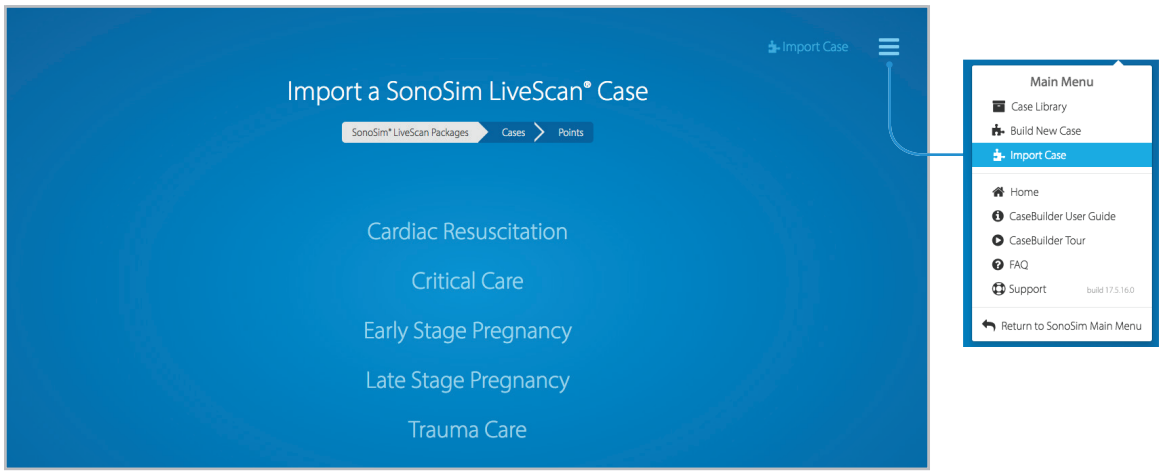
Enter a title to identify the case in your Case Library. In the Case History field, describe the presentation or provide the patient history; this information will be presented within the SonoSimulator®.

To complete your case or to save progress on a case you have not yet finished, click the **Save Case** button beneath the entry fields. Note: If you utilize one of the predefined templates, you may not save your case until you have assigned an ultrasound data set to every image window in the template. If you would like to save your case without completing all points, you can save it as a Custom template by selecting Save Case and Switch to Custom.

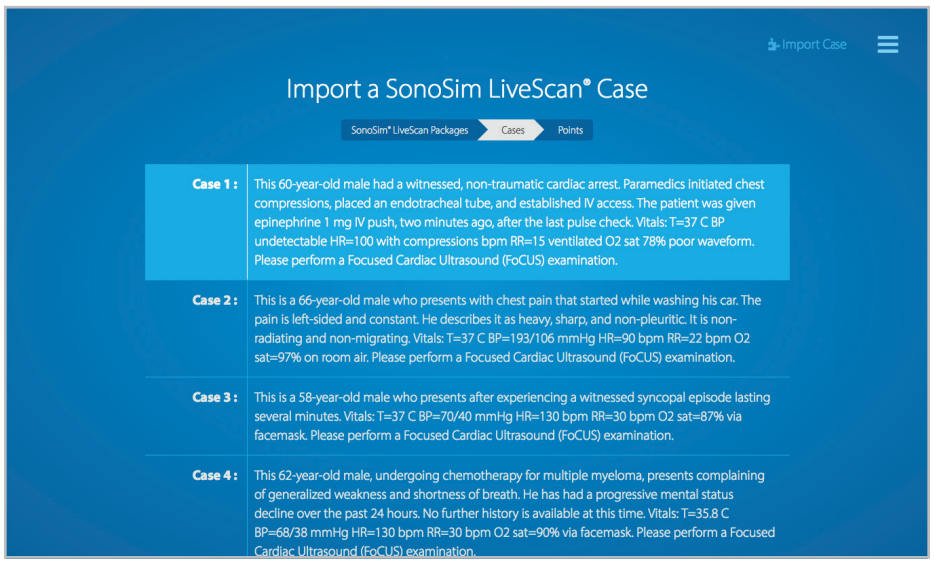



SonoSim® CaseBuilder
Template
Saved Case
Successfully saved Cardiac Block Case 1 to your Case Library
OK
Adult Male
Build New Case
Save Case
Edit/Review

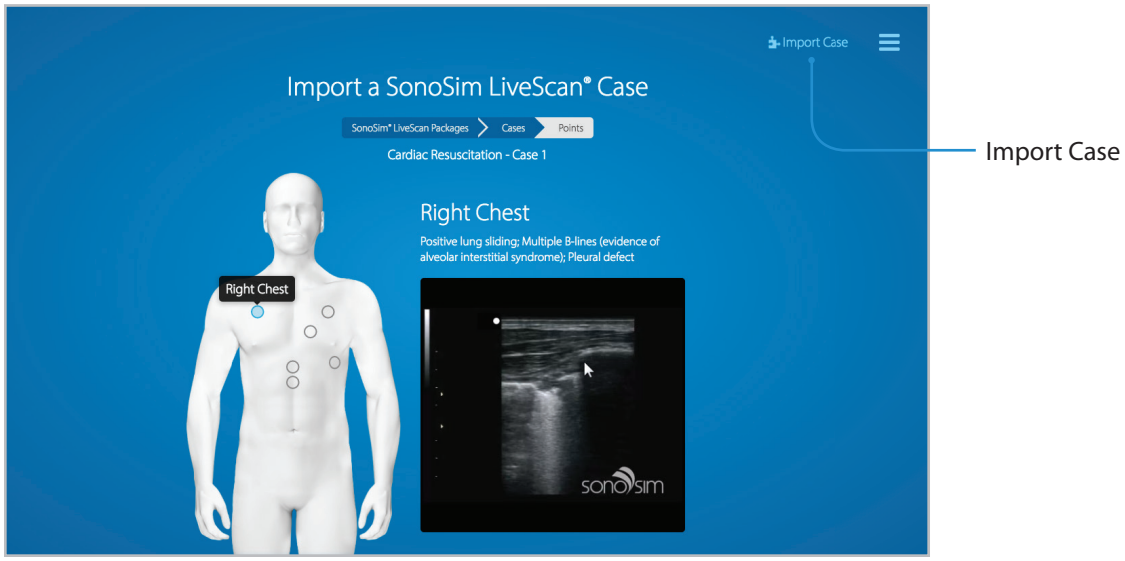
To import and modify an existing SonoSim LiveScan® case, go to **Import Case** from the Menu.



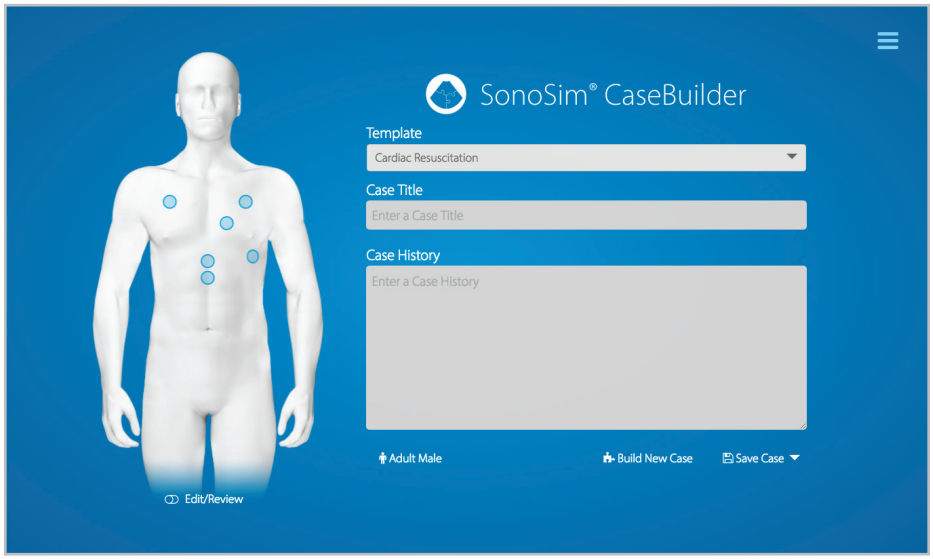
Select a Case from your purchased SonoSim LiveScan® packages.



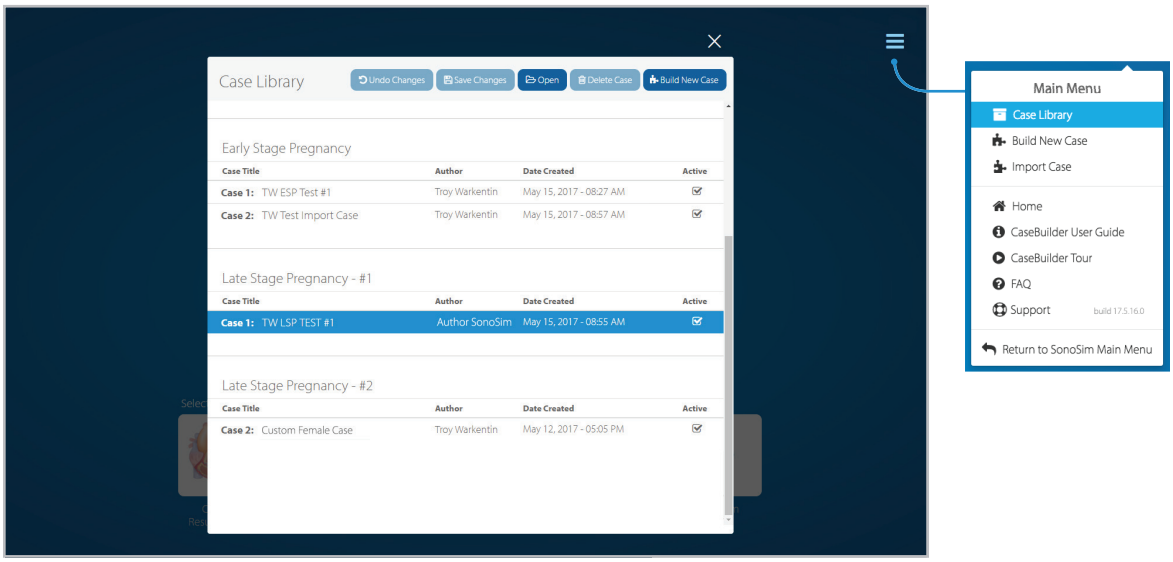
You may now click a point on the body to see more information about that ultrasound data set or to view the Findings video. When you have found the appropriate case to use as your base, click **Import Case**.



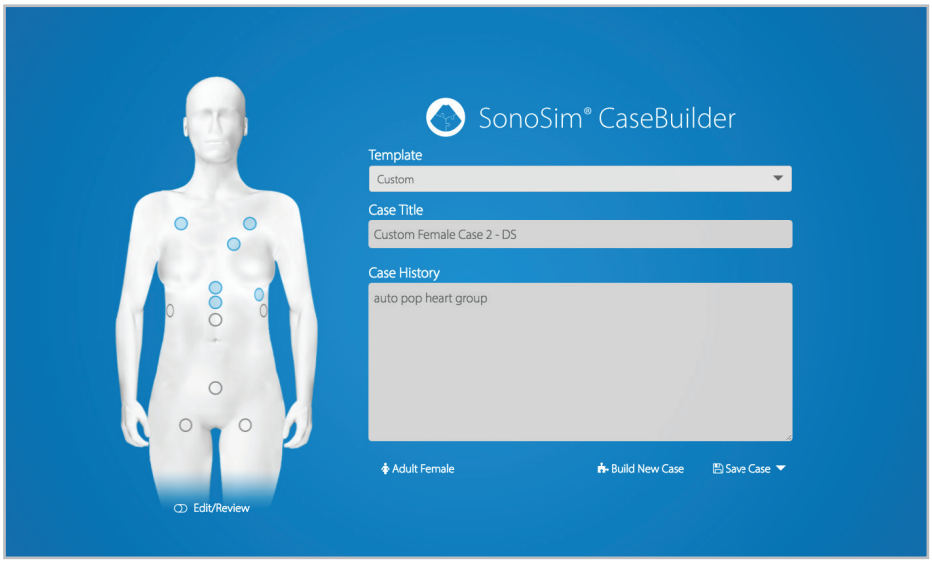
Enter a Case Title and Case History, and make any desired modifications to the imported case. Click **Save Case** when you are finished.



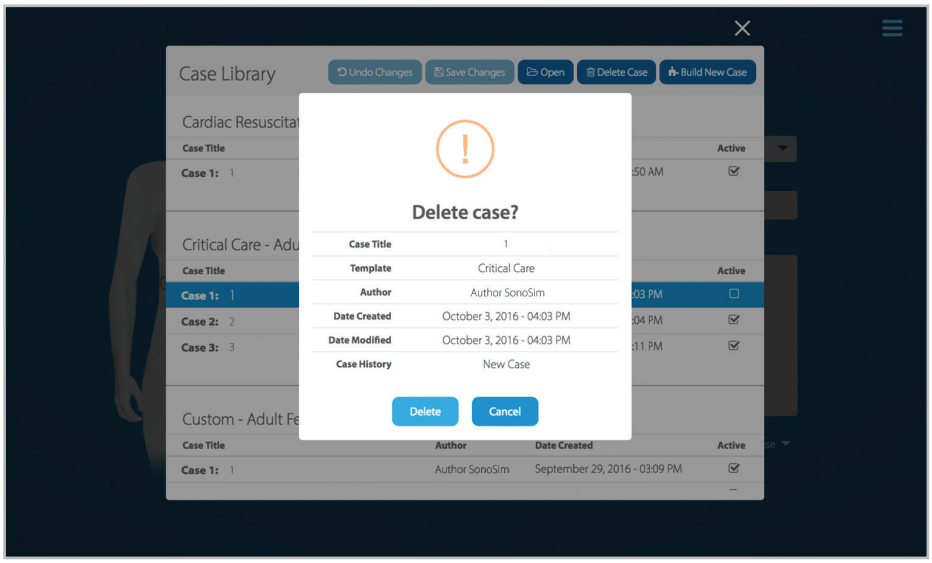
To review saved cases, go to **Case Library** from the Main Menu. Your cases will appear in the order in which they were created and will be organized by module (template + body model). For accounts with multiple author licenses, author information is provided in the Author column.



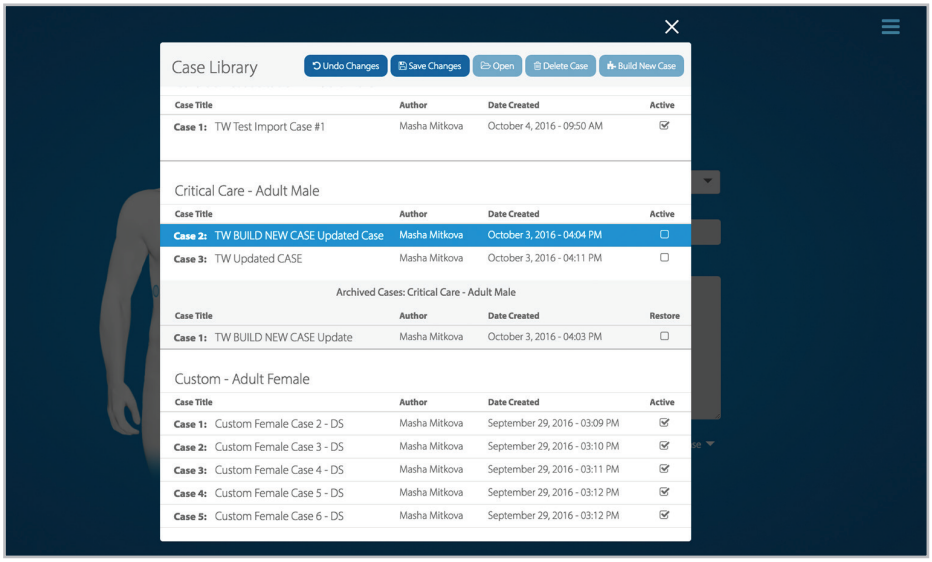
Open any saved case to review it or create a copy. If it is a case you authored, you may also edit its contents.



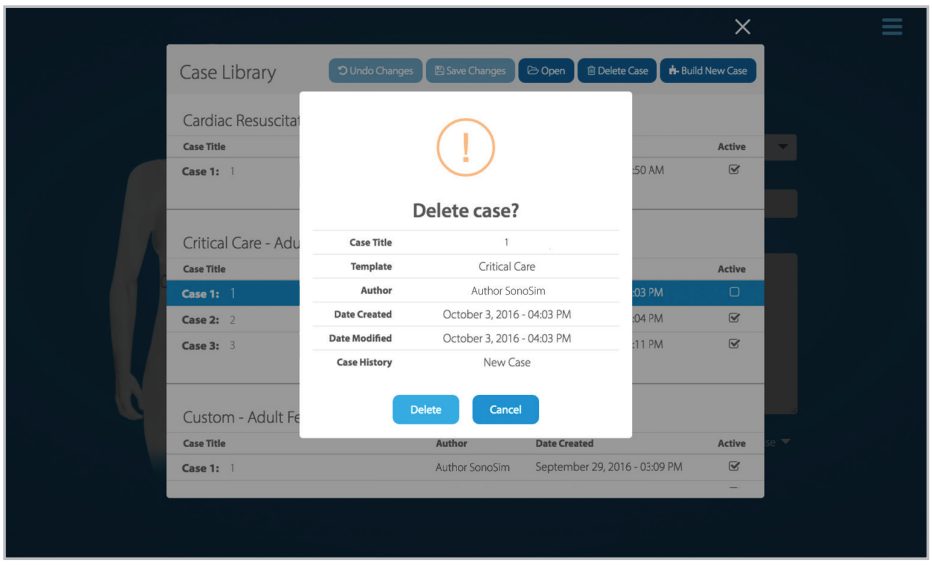
To delete a case, click on it in the Case Library and click **Delete Case**. A window will appear to let you know this case is being deleted. Click **Delete** to confirm the action. Note: You will only be able to delete cases you authored.



When a case is first deleted, it will still appear in the Case Library under the **Archived Cases** subfolder for that module. To restore an archived case, click the check box in the **Restore** column, and click **Save Changes**. The case will once again appear in the module list.

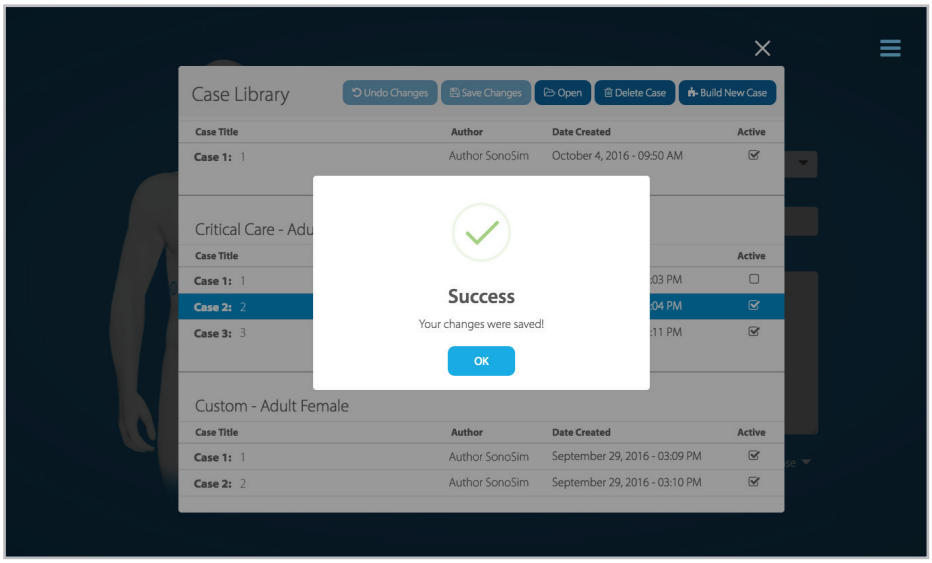


To permanently delete a case, click on it in the Archived Cases list and click **Delete Case**. A window will appear to let you know this case is being permanently deleted. Click **Delete** to confirm the action.



The Case Library also allows you to select which cases will appear in the SonoSimulator®. These cases are known as active.

To choose which cases are active, click the check box in the **Active** column on the right side and click **Save Changes**. You may select up to 15 active cases for each module. Note: When you create a new case, it automatically saves as active unless you have already reached the limit of 15 active cases.

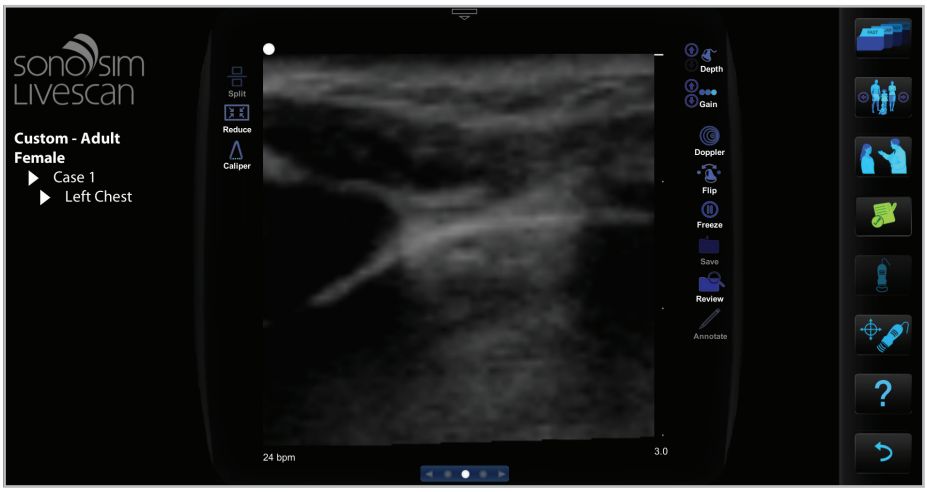


If at any point you do not want your changes to be saved, click **Undo Changes**.

To view your created cases within the SonoSim® Ultrasound Training Solution, open the **SonoSimulator®** and then the **Case List.** Select the **SonoSim® CaseBuilder** menu item at the bottom of the Case List.

Your SonoSim® CaseBuilder cases will appear in the SonoSimulator® organized by module (template + body model) and listed in the order you created them. If your group has multiple authors, cases built by all authors will display when you log into the SonoSimulator® as a guest or a student. However, if you log in using your personal login credentials, you will only see the cases you created.

Use your SonoSim LiveScan® Probe and SonoSim LiveScan® Tags to scan through your custom-built SonoSim® CaseBuilder cases. SonoSim® CaseBuilder cases will have the exact same appearance as regular SonoSim LiveScan® cases.



We hope you enjoy your SonoSim® CaseBuilder experience.

If you have any questions, please refer to the FAQ section within the SonoSim® CaseBuilder Menu.

If you have further questions, are experiencing technical difficulties, or would like to give feedback, please send us a message using the form in the support section within the SonoSim® CaseBuilder Menu, or call us at **855-873-7666**, (Mon-Fri, 9am-5pm PST).

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