

The Easiest Way to Learn Ultrasonography®

SonoSim[®] CaseBuilder User Guide Thank you for purchasing SonoSim® CaseBuilder. We hope you enjoy your ultrasound education experience. 4 Getting Started

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22 Technical Support 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.

Please enter your username and passw Username Password Confirm	-OR-	Enter As Guest	

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.

Welco	ome to SonoSim® CaseBuilder	
The	son sim Easiest Way to Learn Ultrasonography*	

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
- **PAQ-** 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.

SonoSim [®] CaseBuilder	=
Template Custom Cardiac Resuscitation Critical Care Early Stage Pregnancy Late Stage Pregnancy Trauma Care Custom	
I Adult Male Ar-Build New Case I Save Case ▼	

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.

		iim [®] CaseBuilder	
	Template Custom		
0 0	Case Title Enter a Case Title		
	Case History Enter a Case History		
	🛉 Adult Male	♣- Build New Case 🛛 🖹 Save Case 🔻	

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.

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Case Library Oundo Changes	Save Changes	🗁 Open 👔 Delete Case	🗚 Build New Case			
Cardiac Resuscitation - Adul: Male	- #1					
Case Title	Author	Date Created	Active			
Case 1: Custom Male Case 1 – TW	Troy Warkentin	June 7, 2017 - 02:37 PM	ſ.			
Draft Cases: Cardi						
Case Title	Author	Date Created	Delete in			
Case 1: twarkentin2017531141635103	Iroy Warkentin	June 9, 2017 - 12:00 PM	3 h			
Case 2: twarkentin2017531141755681	Troy Warkentin	June 9, 2017 - 12:11 PM	3 h			 Time left until Expi
Case 3: twarkentin20176181341624	Troy Warkentin	June 1, 2017 - 10:24 AM	21 h			mile left until Expl
Case 4: twarkentin20176110482930	Troy Warkentin	June 9, 2017 - 12:11 PM	23 h			
Case 5: twarkentin20176110475125	Troy Warkentin	June 8, 2017 - 12:19 PM	23 h			
Cardiac Resuscitation - Adul: Male	- #2					
Case Title	Author	Date Created	Active			
Case 1: Custom Male Case 1 - MM	Masha Mitkova	June 7, 2017 - 02:37 PM	✓			
Case 2: Custom Male Case 2 – MM	Masha Mitkova	June 8, 2017 - 04:59 PM	· · · · · · · · · · · · · · · · · · ·			
Critical Care - Adult Male						
Case Title	Author	Date Created	Active			

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**.

	SonoSim® CaseBuilder	
	Custom	
0 0	Case Title Enter a Case Title	
	Case History	
	Enter a Case History	
() Edit/Review	Cick to dawy hold works	



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[®].

SonoSim® CaseBuilder	
Template Custom	
Case Title Cardiac Block Case 1 Case History Enter a Case History	
🛊 Adult Male 🔥 Build New Case 🗎 Save Case 🔻	

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.





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.

	Import a SonoSim LiveScan [®] Case
	SonoSim*LiveScan Packages Cases Points
Case 1 :	This 60-year-old male had a witnessed, non-traumatic cardiac arrest. Paramedics initiated chest compressions, placed an endotracheal tube, and established IV access. The patient was given epinephrine 1 mg IV push, two minutes ago, after the last pulse check. Vitals: T=37 C BP undetectable HR=100 with compressions bpm RR=15 ventilated O2 sat 78% poor waveform. Please perform a Focused Cardiac Ultrasound (FoCUS) examination.
Case 2 :	This is a 66-year-old male who presents with chest pain that started while washing his car. The pain is left-sided and constant. He describes it as heavy, sharp, and non-pleuritic. It is non- radiating and non-migrating. Vitals: T=37 C BP=193/106 mmHg HR=90 bpm RR=22 bpm O2 sat=97% on room air. Please perform a Focused Cardiac Ultrasound (FoCUS) examination.
Case 3 :	This is a 58-year-old male who presents after experiencing a witnessed syncopal episode lasting several minutes. Vitals: T=37 C BP=70/40 mmHg HR=130 bpm RR=30 bpm O2 sat=87% via facemask. Please perform a Focused Cardiac Ultrasound (FoCUS) examination.
Case 4 :	This 62-year-old male, undergoing chemotherapy for multiple myeloma, presents complaining of generalized weakness and shortness of breath. He has had a progressive mental status decline over the past 24 hours. No further history is available at this time. Vitals: T=35.8 C BP=66/38 mmHg HR=130 bpm RR=30 bpm O2 sat=90% via facemask. Please perform a Focuse Cardiac Ultrauond (FoCUS) examination.

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.

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Case Library	Changes Save Changes	🗁 Open 🔋 Delete Case	fi- Build New Case
Early Stage Pregnancy			
Case Title	Author	Date Created	Active
Case 1: TW ESP Test #1	Troy Warkentin	May 15, 2017 - 08:27 AM	
Case 2: TW Test Import Case	Troy Warkentin	May 15, 2017 - 08:57 AM	ß
Late Stage Pregnancy - #1			
Case Title	Author	Date Created	Active
Case 1: TW LSP TEST #1	Author SonoSim	May 15, 2017 - 08:55 AM	8
Late Stage Pregnancy - #2			
Case Title	Author	Date Created	Active
Case 2: Custom Female Case	Troy Warkentin	May 12, 2017 - 05:05 PM	, B

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

	SonoSim® Case	eBuilder
	Custom Case Title Custom Female Case 2 - DS Case History auto pop heart group	
C) Edit/Review	♠ Adult Female ♠ Build N	iew Case 🗈 Save Case 🔻

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.

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Case Library	C Undo Changes	Save Changes	🗁 Open 🗎 Delete	Case 🔥 Build	New Case		
Cardiac Resuscitat		(!)		:50 AM	Active		
		Delete case?					
Critical Care - Adu	Case Title	1					
Case Title	Template	Critical C	are		Active		
Case 1: 1	Author	Author Sor	oSim	:03 PM			
Case 2: 2	Date Created	October 3, 2016	- 04:03 PM	:04 PM			
Case 3: 3	Date Modified	October 3, 2016	- 04:03 PM	:11 PM	V		
	Case History	New Ca	se				
Custom - Adult Fe		Delete Cancel					
Case Title		Author	Date Created		Active	se 🔻	
Case 1: 1		Author SonoSim	September 29, 201	6 - 03:09 PM	S		
		8 38 -			-		

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.

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	Case Library Oundo Changes	Save Changes	🗁 Open 🗎 Delete Case 🕇 🕇 Bu	ild New Case
	Case Title	Author	Date Created	Active
	Case 1: TW Test Import Case #1	Masha Mitkova	October 4, 2016 - 09:50 AM	S
	Critical Care - Adult Male			
	Case Title	Author	Date Created	Active
	Case 2: TW BUILD NEW CASE Updated Case	Masha Mitkova	October 3, 2016 - 04:04 PM	0
À	Case 3: TW Updated CASE	Masha Mitkova	October 3, 2016 - 04:11 PM	
0	Archived Ca	ses: Critical Care - A	dult Male	
	Case Title	Author	Date Created	Restore
	Case 1: TW BUILD NEW CASE Update	Masha Mitkova	October 3, 2016 - 04:03 PM	
	Custom - Adult Female			
	Case Title	Author	Date Created	Active
	Case 1: Custom Female Case 2 - DS	Masha Mitkova	September 29, 2016 - 03:09 PM	8
	Case 2: Custom Female Case 3 - DS	Masha Mitkova	September 29, 2016 - 03:10 PM	ĭ.
	Case 3: Custom Female Case 4 - DS	Masha Mitkova	September 29, 2016 - 03:11 PM	V
	Case 4: Custom Female Case 5 - DS	Masha Mitkova	September 29, 2016 - 03:12 PM	¥
	Case 5: Custom Female Case 6 - DS	Masha Mitkova	September 29, 2016 - 03:12 PM	¥

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.

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Case Library	්ට Undo Changes	s 🖹 Save Changes	🗁 Open 🗎 Delet	e Case 🔥 Build	New Case		
Cardiac Resuscitat Case Title Case 1: 1		(!)		:50 AM	Active	V	
	Delete case?						
Critical Care - Adu	Case Title	1					
Case Title	Template	Critical C	are		Active		
Case 1: 1	Author	Author Sor	noSim	:03 PM	0		
Case 2: 2	Date Created	October 3, 2016	- 04:03 PM	:04 PM			
Case 3: 3	Date Modified	October 3, 2016	- 04:03 PM	:11 PM	1		
	Case History	New Ca	se				
Custom - Adult Fe		Delete Cance					
Case Title		Author	Date Created		Active	se 🔻	
Case 1: 1		Author SonoSim	September 29, 20	16 - 03:09 PM	ſ.		
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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.

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Case Library DUndo Changes	Save Changes	🗁 Open 🗎 Delete (Case 🔥 Build	New Case		
Case Title	Author	Date Created		Active		
Case 1: 1	Author SonoSim	October 4, 2016 - 09	9:50 AM	8	•	
Critical Care - Adu	\checkmark					
Case Title				Active		
Case 1: 1	6		:03 PM			
Case 2: 2	Success		:04 PM			
Case 3: 3 You	ur changes were saved	1	:11 PM	Ĩ		
Custom - Adult Female						
Case Title	Author	Date Created		Active		
Case 1: 1	Author SonoSim	September 29, 2016	5 - 03:09 PM	1		
Case 2: 2	Author SonoSim	September 29, 2016	5 - 03:10 PM	Ì		

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.

Fundamentals	Cardiac Resuscitation - Adult Male	CB	
Abdomen	Cardiac Resuscitation - Adult Female		
Breast	Critical Care - Adult Male	CB	
Cardiac	Critical Care - Adult Female	CB	
Genitourinary	Custom - Adult Female	CB	
Head / Neck	Custom - Adult Male	CB	
Musculoskeletal	Early Stage Pregnancy	CB	
Obstetrics/Gynecology	Late Stage Pregnancy	CB	
Ocular			
Procedures			
Protocols			
Pulmonary			
Vascular			
SonoSim LiveScan® LS			
SonoSim [®] CaseBuilder CB			

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 \Im within the SonoSim[®] CaseBuilder Menu \blacksquare .

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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