SimClever

Ingenious form of medical simulation

Simulators for
Health Care Education

Product Catalog

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Easy. Fast. Mobile. and Connected

The revolutionary mobile sim-based education solution enables you to learn anytime, anywhere, just like carrying a sim center in your backpack! The seamless learning experience with no risk of breaking. Our innovative platform decreases the time it takes to learn how to perform sim-based education!

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CEO, Co-founder

Professor of Pediatrics and Neonatology

C-mon Hybrid Patient Monitor

SimClever

C-mon provides healthcare professionals with a lively experience that closely mimics real-life situations they will encounter in the future. Students can experience vital parameters (such as EKG, SPO$_2$, End Tidal CO$_2$, Respiratory Rate, Body Temperature, and Blood Pressure) with **C-mon** that they may encounter in various diseases.

The interface of **C-mon** is similar to the bedside monitors used in hospitals and enhances your students' patient monitoring skills.
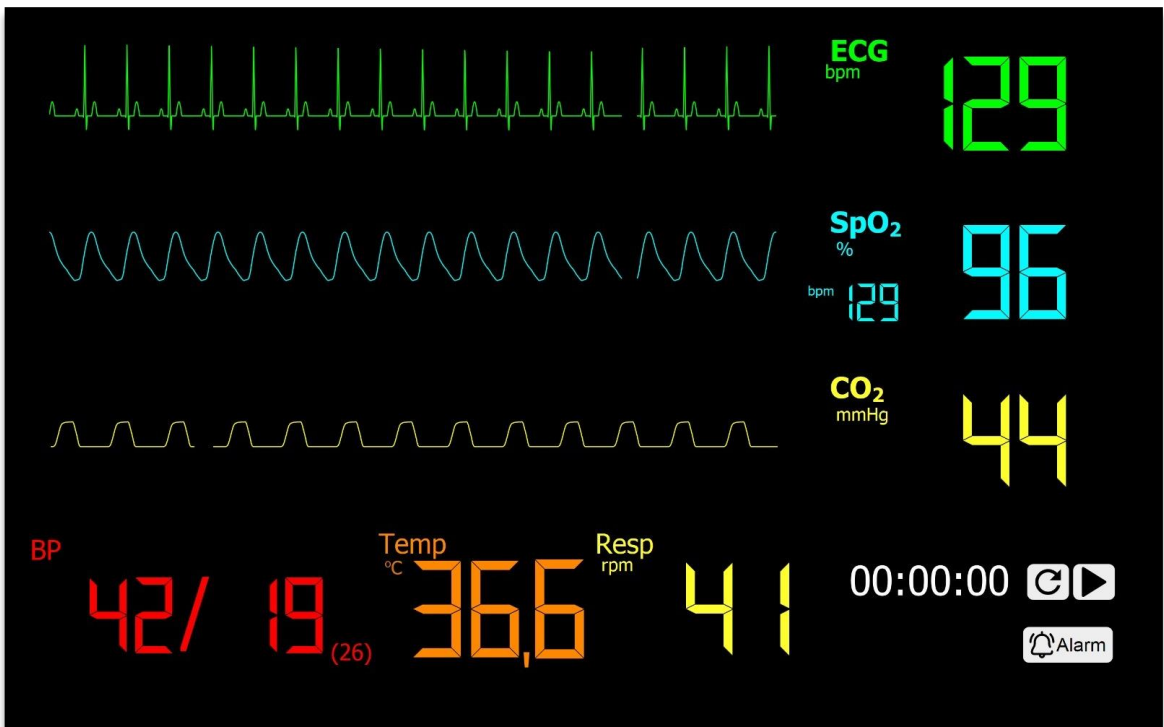
Available vital signs

- ECG
- SpO$_2$ and graphics
- etCO$_2$ and graphics
- Respiratory Rate and graphics
- Body temperature
- Blood pressure

Available Cardiac Rhythms

- Sinus Rhythm
- Ventricular tachycardia
- Supraventricular tachycardia
- Ventricular fibrillation
- Atrial fibrillation
- Atrio-Ventricular Block (2:1)
- Atrial Flutter
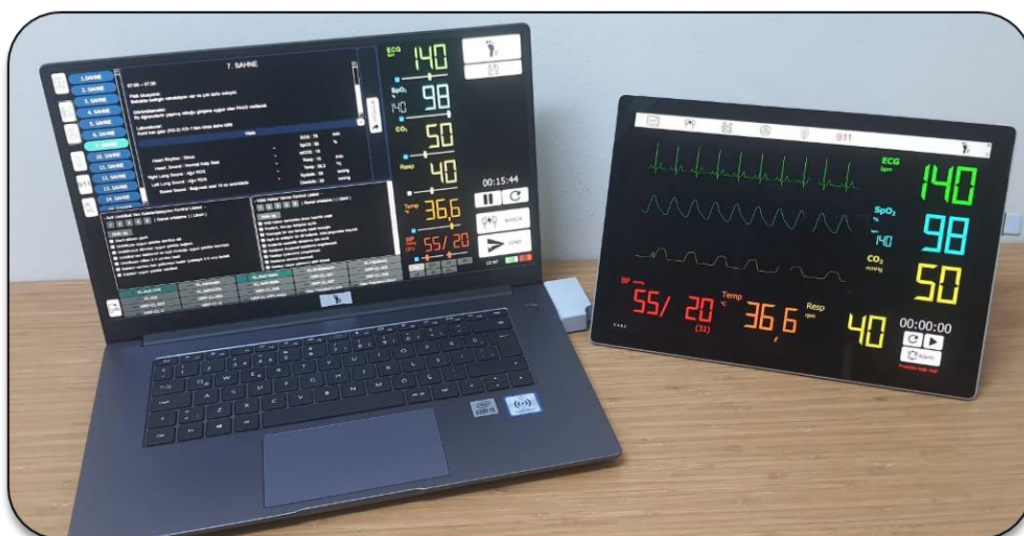
Like all SimClever products, **C-mon** is compatible with other SimClever products. When used with **C-ound**. (Hybrid Digital Stethoscope), it allows students to experience lung, heart and bowel sounds that are compatible with the vitals shown in **C-mon**.

You can create your own scenarios using the Scenario module (**C-nario**).

C-mon Hybrid Patient Monitor

SimClever

C-mon comes with a tablet computer and can be used as a screen to access laboratory results, diagnostic imaging (such as Chest X-ray), physical examination, and clinical information through software without needing a different solution.

C-panel (Control Module for Sim-Based Medical Education) is required to play different scenarios in **C-mon**. This same software lets you control all your SimClever products, such as **C-mon**, **C-ound** , and **C-lary** , from a single location.

You can buy **C-mon** separately or with the bundles listed below.

Virtual Hospital Bundle (BM-01, BM-02, BM-03, ST-01, ST-02, LM-01, PC-01, TP-01, MV-01, LS-01, DF-01 + CM-01)
Virtual Clinical Bundle (BM-01, BM-02, BM-03, ST-01, ST-02, LM-01, PC-01, TP-01, DF-01 + CM-01)
Auscultation Bundle (C-aus) (ST-01, ST-02, LM-01, PC-01, CM-01)
Entubation Bundle (CM-01, 3 different size of LS-01)
Respiratory Bundle (BM-01, BM-02, MV-01 + Auscultation + Entubation Bundle)

C-aus Auscultation Bundle

C-aus (Auscultation Bundle) consists of three modules. **C-ound** (Hybrid Digital Stethoscope), **C-pool** (Lung, Heart, GIS Auscultation Sound Library) and **C-tag** (Location Marker).

You can use **C-aus** with standard(simulated) patients, dummy mannequins or just by software. The classroom, clinical settings can turn into simulated education environments, which is called **in-situ simulation**.

C-ound Hybrid Digital Stethoscope

The stethoscope works with **C-tag** (location markers); it may be used on standard patients or dummy mannequins. The sounds can be controlled on-the-fly or according to a scenario by **C-panel** and **C-nario** modules.

By using **C-ound** you can listen to heart, lung and bowel sounds that are related to many general and special medical cases. In order to hear the sounds from **C-ound**, it must make contact with **C-tag**. The rhythm of both the **C-ound** and the **C-mon** work together in sync.

Using it together with the **C-panel** will increase the realism in your training. The speed of the heart and lung sounds you want can be changed instantly according to the scenario or in on-the-fly mode.

So, when you increase the heart rate in the control module, both the patient monitor and stethoscope sounds will change realistically according to the speed in the scenario.

C-pool Lung, Heart, GIS Auscultation Sound Library

C-pool is a database that contains more than 50 heart, lung and bowel sounds that can be heard in a real medical case. All you have to do is select the appropriate sound for your training via **C-panel** and adjust it to your desired period. Thus, your students will be able to experience a real vital sound experience.

Digital stethoscopes were used to capture audio recordings from real patients, and these recordings underwent processing to achieve optimal quality. Signal processing techniques were also utilized to ensure that the quality remained consistent even as the rhythm changed. The sound in the stethoscope changes along with the rhythm without any loss of quality.

C-pool allows you to add sounds to your scenarios by using **C-nario**.

C-tag Location Marker

With **C-tags**, it's possible to acquire various lung, heart, and bowel sounds for both standard (simulated) patients and dummy mannequins. Simply position your **C-ound** stethoscope over the **C-tag** and you'll hear the appropriate sound for the scenario. **C-tags** can also be placed inside the mannequin, as they're effective up to 2 cm and made of material that won't damage your equipment. The **C-aus** bundle comes with 30 reusable **C-tags**, and if you require additional ones, you can easily order them via our website.

C-lab Laboratory Module

For clinical reasoning, laboratory results are extremely important. Students can see any laboratory results on their **C-lab** screen correlated with the scenario.

You don't need a second screen or papers to show lab results. One of the tabs on **C-mon** can be used as **C-lab**, and you don't need to buy a second hardware to use **C-lab**; it is just a software upgrade.

Ready to Use Lab Templates
- Hemogram
- Blood gas analysis
- Biochemical analysis
- Vitamins
- Cardiac markers
- Anemia panel
- Cerebrospinal fluid analysis
- Coagulation panel
- Lipid panel
- Thyroid function tests

By using **C-nario** you can add any lab to your scenarios; or you can use preinstalled laboratory results and scenarios in your software.

Test Adı	Durum	Değer	Birim	Referans
WBC(White Blood Cells)	▼	18.58	/mm3	4500 - 10000
LY#(Lenfosit Count)	▼	3.93	/mm3	800 - 4000
Monosit Count	▼	1.43	/mm3	120 - 1200
Neutrophyl Count	▼	12.61	/mm3	2000 - 7000
Eosinophyl Count	▼	0.44	/mm3	20 - 500
Basophyl Count	-	0.17	/mm3	0 - 100
Lenfosit %	-	21.1	%	20 - 40
Monosit %	-	7.7	%	3 - 12
Neutrophyl %	-	67.9	%	50 - 70
Eosinophyl %	-	2.0	%	0.5 - 5
Basophyl %	-	0.9	%	0 - 1
RBC	-	5.46	%	3.5 - 5.5
Hgb (Hemoglobin)	▲	16.3	g/dL	11 - 16
Htc	-	50.2	%	37 - 54
MCV	-	91.9	fL	80 - 100
MCH	-	29.9	Pg	27 - 34

00:00:07

C-im Diagnostic Imagining Module

For physicians, clinical reasoning is crucial in determining the precise diagnostic imaging techniques required and when they should be applied. Additionally, it involves accurately assessing the results of these techniques.

By using **C-im** you can simulate your scenarios more realistically and let your students experience real-life situations as they are dealing with real patients.


You can use the preinstalled images of X-Ray, MRI, USG and others; or you can install your own images to the scenarios using **C-nario**.

You don't need a second screen or papers to show image results. One of the tabs on **C-mon** can be used as **C-im**, and you don't need to buy a second hardware to use **C-im**; it is just a software upgrade.

C-vent Mechanical Ventilator Simulator

Introducing **C-vent**, the ultimate mechanical ventilator simulator that offers advanced lung physiology and mobility. This user-friendly tool can enhance your mechanical ventilation skills anytime and anywhere. You have the freedom to choose from our pre-designed scenarios or create your own based on vital, lab, and imaging data.
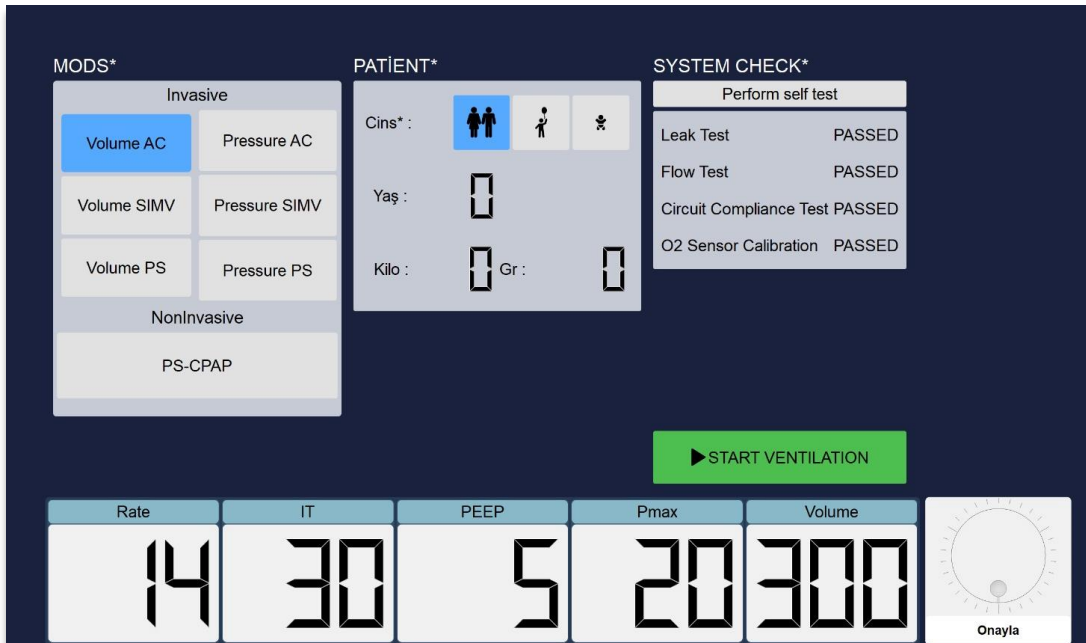

You can create your own scenarios with the **C-nario** module.

You have complete control over lung compliance, airway resistance, total lung capacity, and spontaneous breathing to best suit your case, and **C-vent** will respond accordingly.

Students can choose from various modes such as non-invasive nCPAP, nIMV, and invasive AC (pressure or volume), SIMV (pressure or volume), Pressure Support (pressure or volume), and IMV modes from the mechanical ventilator screen. They can also adjust PIP, PEEP, TV (VG modes for), IT, Rate (speed) to mirror a real patient's bedside and fine-tune based on the patient's feedback.

C-vent Mechanical Ventilator Simulator

SimClever

We believe that real patients should never be used as educational material. That's why **C-vent** provide you with a diverse range of cases that you can access easily and repeat as many times as necessary to enhance your learning.
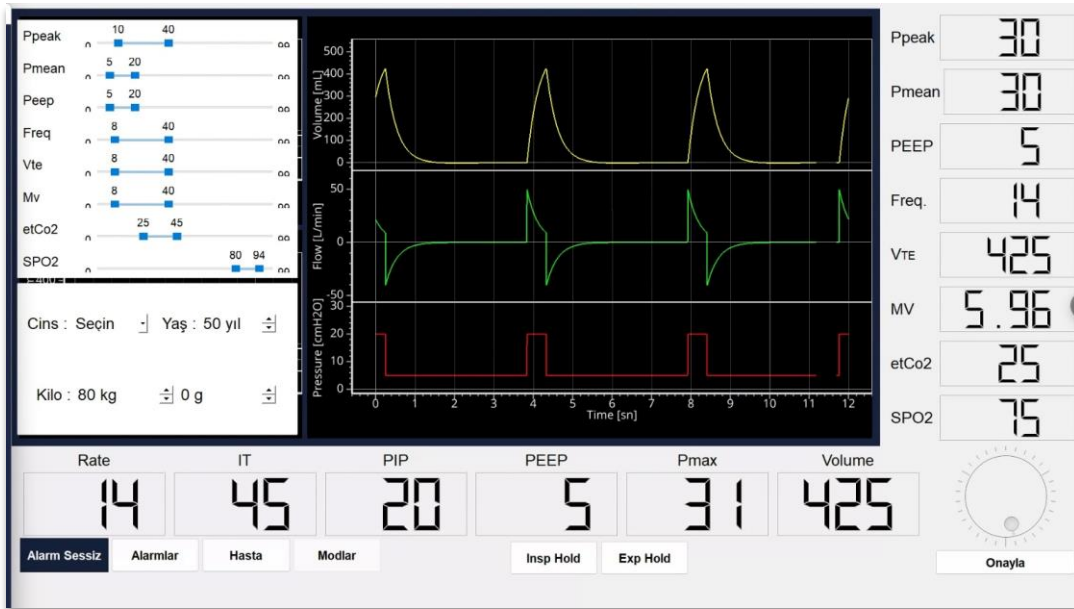
You can perform intubation using **C-lary** with your manikin and provide the more realistic ventilation training.

Available Invasive MV Modes

- Pressure AC
- Volume AC
- Pressure SIMV
- Volume SIMV
- Pressure PS
- Volume PS

Available Non-invasive MV Modes

- nCPAP
- nIMV

What's great that you receive all these benefits at a reasonable price

C-lary Hybrid digital laryngoscope

C-lary is an innovative digital laryngoscope designed for educational use. It functions as a one-to-one laryngoscope with a camera and light attached on top, providing a realistic and practical experience for students.

Using **C-lary**, students can intubate the manikin while taking instant images from the screen, similar to real digital laryngoscopes. The educator overseeing the simulation can also monitor the intubation process in real-time via the **C-panel** and store it for later use in debriefing sessions.

This allows instructors to provide valuable feedback to students based on their performance during the intubation process. Additionally, if desired, the video of the intubation process can be projected to the class screen for all students to observe and learn from.

C-lary Hybrid digital laryngoscope

C-lary comes in various sizes for newborn, pediatric, and adult patients, providing a comprehensive learning experience for students of all levels.

The wireless transfer of images eliminates the need for messy cables, making the learning environment more efficient and organized.
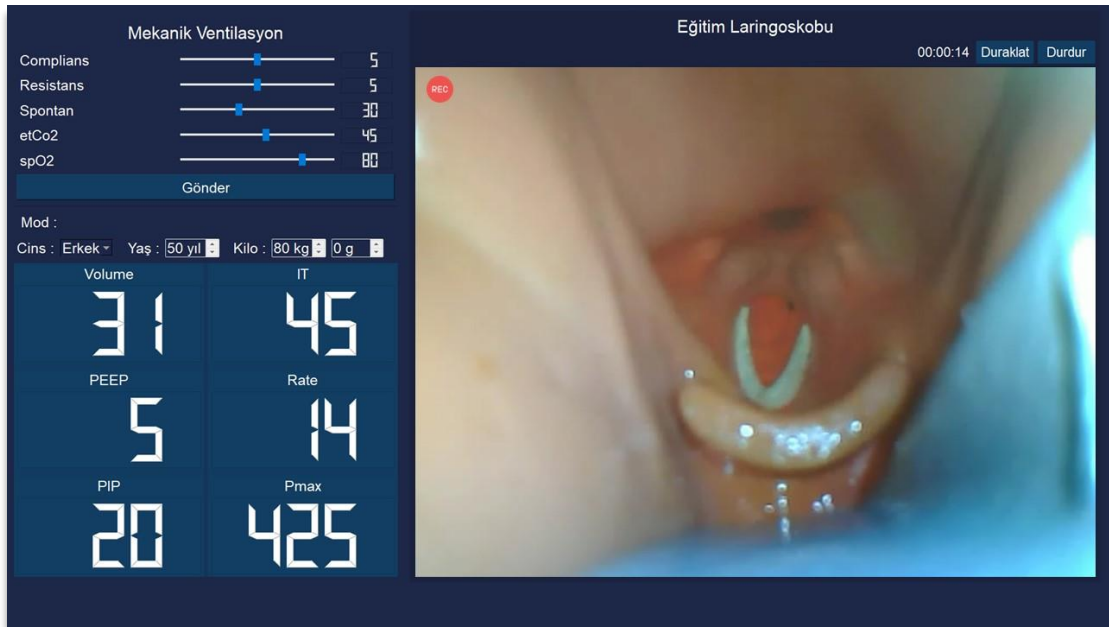
It also allows educators to provide valuable feedback and monitor the process from the performer's perspective, making the learning experience more effective and informative.

Overall, C-lary allows students to perfect their intubation skills before performing the procedure on real patients.

C-defib has been developed to be able to experience and provide education for classic defibrillation without applying a real shock. You can use defibrillator spoons that work in harmony with the software and the scenario, or you can just use the buttons on the software. Defibrillator spoons that work integrated with the software have the sensitivity of actual defibrillator spoons and do not discharge if they are not pressed hard enough or if the buttons on them are not pressed. In these spoons, there is no electricity and defibrillation-cardioversion processes are simulated according to the scenario you want, software-wise.
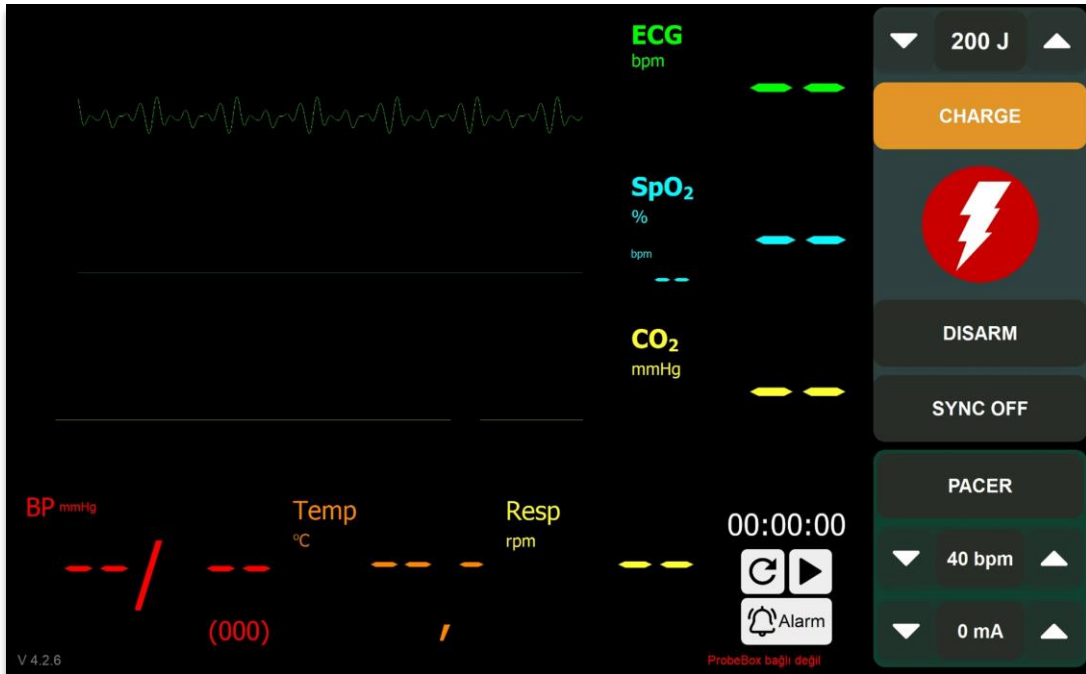
You can apply electroshock to any skill manikin or standard (simulated) patient using **C-defib** spoons and observe their rhythms on the tablet screen (**C-mon**).

According to different education environments, you can apply electroshock only on the tablet without **C-defib** spoons and take your theoretical training to the most advanced level. This method can be used primarily to enrich education during classical lecture presentations.

In the **C-defib** module, you can make energy adjustments like in a real defibrillator device, using it as synchronized cardioversion, defibrillation or pacer.

The educator can control the **C-defib** screen via the **C-panel**, which allows you to apply a realistic scenario-based defibrillator experience and allows the scenario to progress to different scenes according to the student's performance

Buttons such as disarm and sync used in defibrillators are placed in similar places on the **C-defib** screen; thus, your students can experience advanced defibrillation without harming themselves, those around them or the mannequin.
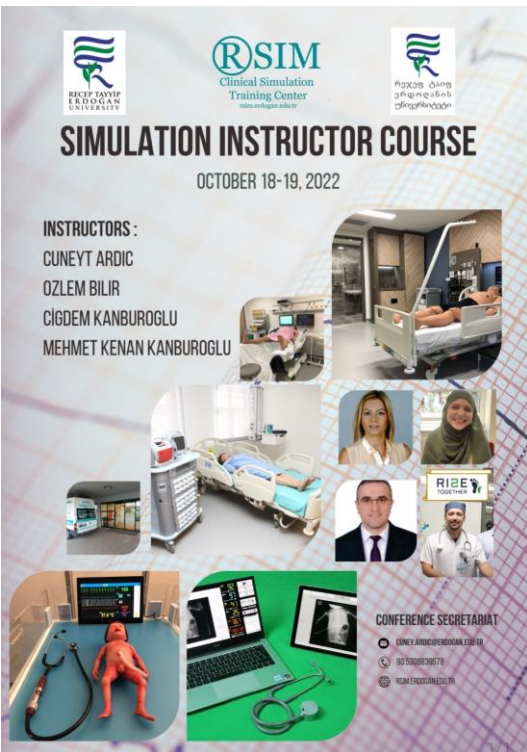
When **C-defib** paddles are activated without any contact (without pressing the buttons on them), they do not work like a real defibrillation process. To apply a shock to the manikin or SP, both paddles must be entirely placed and the buttons on them must be pressed.

You can use **C-defib** paddles with any skill model as well as on real people during training sessions performed using simulated patients.

You do not need to purchase a second hardware screen to use **C-defib**. One of the tabs on the **C-mon** screen switches to the **C-defib** screen after you upgrade the product. You can switch between **C-mon** and **C-defib** with just one click, just like you can switch between **C-vent** and **C-lary** screens.

C-nario Scenario Creating Module

SimClever

With the **C-nario** module, you have the ability to create multiple scenes in your scenario and automate essential findings such as lung dynamics, laboratory results, and imaging for each scene.

You can conveniently control, save, and share your scenario from a single location. During training, you can switch between different scenes with just one button due to the branching feature.

You can easily modify and develop new scenarios by reusing your previous ones or creating new ones. Moreover, **C-nario** allows you to share and use scenarios created by other SimClever™ users.

If an unexpected situation arises, you can manually intervene **(On the Fly Mode)** and switch back to your previous scenes.

C-nario Scenario Creating Module

SimClever
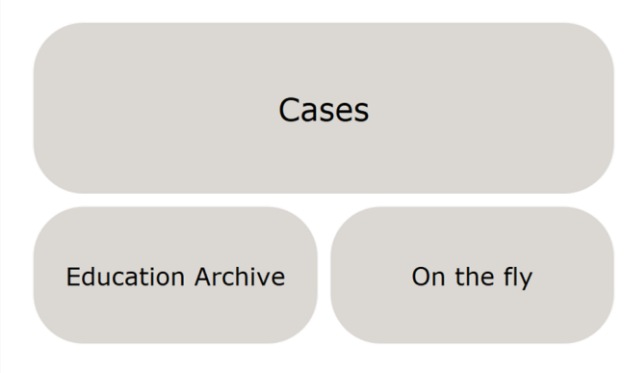
The **C-panel** module allows you to prepare vital parameters, test results, images, and control lists for each scene and leave notes for the trainer (like door notes for OSCE) and educator.

Cases

Education Archive

On the fly

Modifying and creating new scenarios is made easy by reusing previous ones or generating fresh ones from scratch.

C-panel Control Module

The **C-panel** serves as a central hub for managing all SimClever modules coherently from a single location.

C-panel allows you to play scenarios on a scene-by-scene basis or make instant changes on-the-fly mode; you can always keep control. You can also switch back to the scenario from on-the-fly mode without having to restart the scenario.

You can switch between the scenes you created with just one click during training, and **C-panel** enables you to control all peripheral devices (**C-mon**, **C-sound**, **C-lab**, **C-im**, **C-vent**, etc.) from one location. This feature eliminates the need for separate computers/devices for each hardware, making your training more efficient and allowing the scenario to be stored in one place.

All changes you make during training are instantly recorded on the **C-panel** and presented to you as a report for evaluation after training. You can also take personal notes and save them to the document during training.

Using the **C-nario** and **C-panel** modules, you can evaluate your students using control lists and Likert scales while providing training with a scenario and their scores will be automatically calculated when the training is over. You can also present these notes as a report or keep them in your archive.

You can take notes for use on the debriefing screen during the scenario. All vital signs that occur during training, control lists, digital laryngoscope and data from mechanical ventilators are automatically saved in the training archive for use on the debriefing screen.

With **C-panel**, you can instantly control
- the vitals in **C-mon**
- Lung and Heart auscultation sounds in **C-ound**
- results in **C-lab**
- the images in **C-im**
- the lung dynamics in **C-vent**
- the instant images in **C-lary**
- the situations in **C-fib**
- the scenes in **C-nario**

and much more either scenario-based or on-the-fly

With a single control module (**C-panel**), you can control patient monitor, laboratory, imaging, audio, physical examination, hybrid digital stethoscope, mechanical ventilator, digital training laryngoscope modules, play scenarios, perform measurement evaluation during the scenario and take notes for the debriefing module to be sent.

One module to rule them all

SimClever

Product Name	Code		Price (2023)
C-mon (Hybrid Patient Monitor)	BM-01	€	1.499
C-lab + C-im (Laboratory & Diagnostic Image Module)	BM-02	€	499
C-ound (Hybrid Digital Stethoscope)	ST-01	€	2.999
C-pool (Lung, Heart, GIS Auscultation Sound Library)	ST-02	€	999
C-tag (Location marker for any hybrid SimClever product)	LM-01	€	29
C-nario (Scenario creating module)	BM-03	€	1.999
Laptop (Windows)	PC-01	€	599
Tablet (12.3 inc, Windows)	TP-01	€	1.499
C-vent (Mechanical Ventilator Simulator)	MV-01	€	1.499
C-lary (Hybrid digital laryngoscope / hybrid laryngoscope)	LS-01	€	599
C-defib (Hybrid Defibrillator/Cardioverter/Pace/AED Simulator)	DF-01	€	999
C-panel (Control Module for Sim-Based Medical Education)	CM-01	€	~~499~~ 0

Cash sales price per unit		1
Virtual Hospital Bundle (BM-01, BM-02, BM-03, ST-01, ST-02, LM-01, PC-01, TP-01, MV-01, LS-01, DF-01 + CM-01)	€	12499
Virtual Clinical Bundle (BM-01, BM-02, BM-03, ST-01, ST-02, LM-01, PC-01, TP-01, DF-01 + CM-01)	€	9999
Auscultation Bundle (C-aus) (ST-01, ST-02, LM-01, PC-01, CM-01)	€	4499
Entubation Bundle (CM-01, 3 different size of LS-01)	€	1299
Respiratory Bundle (BM-01, BM-02, MV-01 + Auscultation + Entubation Bundle)	€	8999

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As the co-founders of SimClever™, we are committed social entrepreneurs who strive to address social issues and create a positive impact on society through innovative business solutions.

Our approach involves using a portion of our profits to reinvest in our mission, rather than solely prioritizing shareholder value.

At SimClever™, we primarily focus on tackling the critical issue of health inequality while empowering communities and providing opportunities for underdeveloped countries. Our efforts not only benefit society, but they also contribute to the economy by generating income, creating jobs, and promoting innovation.

SimClever™ represents the future of business, and we take pride in our commitment to growing for good!

SimClever™ has been committed to improving patient care and safety through healthcare education since its founding in 2020. SimClever™ designs, develops, and manufactures products at its world headquarters in Rize, Türkiye. SimClever™ products are sold through direct sales in Türkiye.

Warranty

A two-year limited warranty covers SimClever™ manufactured products. Extended warranty plans are also available. Terms and conditions apply. Please visit simclever.com for details.

Support

Download product user guides and instructional videos at simclever.com

Email: info@simclever.com

Phone: +90 552 879 7562

Working Hours: Weekdays 8:00 am to 4:30 pm

Patent and/or Trademark may protect SimClever™ products. All prices are Turkiye unless otherwise indicated.

All SimClever™ simulators are designed, manufactured, and assembled in the Türkiye. Product design and price are subject to change without notice.

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