

Technology Empowering Clinical Excellence



Your Trusted HealthTech Partner

We're more than a technology provider—we're your partner in delivering safer, smarter care, driven by innovation, guided by deep clinical understanding, and grounded in lasting trust.



Who we are

AcuteCare.AI is a next-generation healthtech company, originally founded in 2017 as **CRITIS MEDICAL SYNERGY IKE** spin-off of the University of Crete, focused on reimagining acute and critical care through AI-powered clinical information systems.

As the leading provider in Greece—trusted by the country's largest public university hospitals—we've proven the impact of our technology where it matters most.

In 2024, we joined forces with **Sievestone LTD** to accelerate our global vision.



A next-generation Healthtech company

We believe AI and intelligent technologies are reshaping the future of acute care—empowering clinicians with real-time insights, smarter workflows, and more informed decisions. Our goal is bold: to drive a new standard in patient outcomes, safety, and care delivery.

At the core of our innovation is **Critis Synergy+**, a proprietary software platform purpose-built for operating theatres, anesthesia and intensive care units. It delivers intelligent, integrated solutions—real-time patient monitoring, seamless data capture from medical devices and labs, advanced predictive analytics and insights, automated workflows, comprehensive medical records, medication management, and full interoperability with hospital systems.

Our multidisciplinary team of medical professionals, software engineers, AI experts, and UI/UX designers work at the intersection of critical healthcare and technology—transforming ambitious ideas into impactful solutions. We work side-by-side with healthcare providers to turn complexity into clarity, enhance clinical efficiency, and drive sustainable performance.

At AcuteCare.AI, we lead with innovation, design with simplicity, and deliver with trust—empowering healthcare teams to provide safer, smarter, and more connected care.

Our vision




Our vision is to reinvent acute care—making the experience of using advanced technology as intuitive, seamless, and empowering as possible for frontline healthcare professionals.

Our mission



To deliver smarter, faster, and more connected solutions that free up healthcare teams to do what they do best—save lives.



CritIS Synergy+

CritIS Synergy+ Platform is an advanced, modular Clinical Information System (CIS) / Patient Data Management System (PDMS) that digitizes and modernizes the clinical experience, workflows, administrative management, and data collection in ICUs environment.

Benefits

- Collection, organization, and real-time monitoring of all patient data (such as vital signs, medication, mechanical ventilation)
- Data analysis, report generation, calculation of indicators, and support for evidence-based and timely clinical decision-making
- Enhancement of healthcare personnel efficiency as well as optimization of healthcare cost management

CritIS Synergy+ Platform

CritIS ICU

Built for Complexity. Engineered for Clarity.

CritIS Anesthesia

Transforming Perioperative Care with Data-Driven Precision

CritIS Connect

Interoperability and Systems Integration

CritIS AI Assistant

Enhanced Clinical Decision Support

CritIS Mobile

Point-of-Care
Intelligence on the Move

CritIS Telemedicine

Extend Care Beyond the Hospital Walls

Our track record



7

Hospitals



10

ICUs



110

Beds



11,000+

Health incidents



1,000+

Trained doctors & caretakers



8

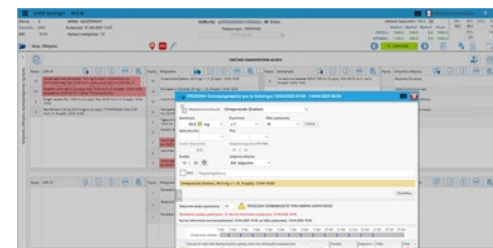
Years in business



CritIS Synergy+ | ICU

Key functionalities at a glance

- Continuous data capture from bedside devices, ventilators, infusion pumps, and more
- Time-stamped records of medical interventions, medications, lab results, disease progression, nursing notes, lines/catheters, and pressure ulcers
- Customizable flow sheets tailored to ICU-specific protocols Automatic calculation of critical scores (e.g. APACHE, SOFA, SAPS II, CPIS, MODS, RASS, SID, GFR)
- Medication ordering by active substance with predefined dosage and administration templates
- Automated fluid balance tracking and intelligent fluid management
- Role-based access and tools tailored for physicians, nurses, and therapists
- Centralized patient information accessible through any web browser
- Fully adaptable to the needs of different ICUs and user roles
- HL7 compliant communication with LIS, HIS, RIS systems
- Fully compliant with EU and national regulations on data security and medical software

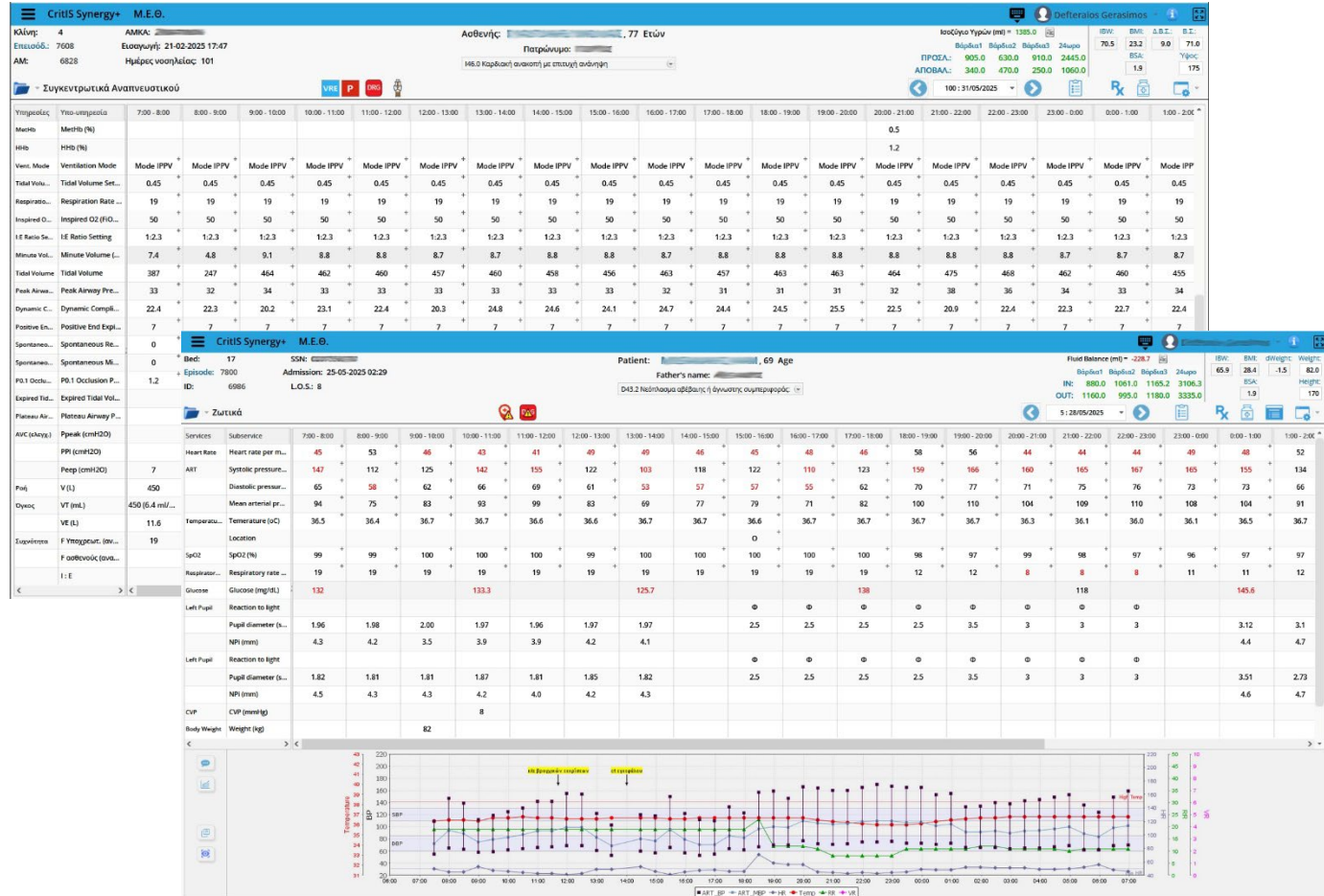


This screenshot displays a patient's flow sheet and data table. The interface includes a top navigation bar, a central flow sheet for patient data, and a bottom section for patient information and interventions. The flow sheet is a table with columns for various parameters and rows for individual data points.

Parameter	Value	Unit	Time
Heart Rate	75	b/min	10:00
Respiratory Rate	18	1/min	10:00
SpO2	98	%	10:00
BP	120/80	mmHg	10:00
Temp	37.5	°C	10:00
Weight	70	kg	10:00
Height	175	cm	10:00
APACHE II	20		10:00
SOFA	10		10:00
SAPS II	30		10:00
CPIS	5		10:00
MODS	2		10:00
RASS	1		10:00
SID	10		10:00
GFR	100	ml/min/1.73m²	10:00

Flow sheets

- Live updates of vital signs and key clinical parameters
- Automatic or manual documentation from 1 minute to 24 hours
- Visual indication of out-of-range measurements
- Customizable flow sheets tailored to ICU-specific protocols
- Automatic calculation of critical scores
- Automated fluid balance tracking
- User-friendly navigation and integration of various display views



Instructions and drug therapy management

- Orders for IV infusions, medications, nutrition, and general instructions to medical and nursing staff
- Prescription based on active substance and dosage specification
- Copying of previous orders
- Automated visualization of administration time and duration
- Detailed documentation of additional information and comments
- Automatic display of new orders in the corresponding flowchart
- Barcode functionality for administration confirmation

The screenshot displays the CritIS Synergy M.E.O. software interface for managing patient care. The top header shows patient information: Κλίμα: 4, ΑΜΚΑ: 1111111111, Επώνυμο: 2437, Επώνυμο: 21-05-2025 21:57, ΑΜ: 2392, Ημέρας νοσηλείας: 12. The patient is identified as Αρσένιος, 81 ετών, Πατρώνυμο: [redacted].

The main interface is divided into several sections:

- Προσλαμβανόμενα (Left Panel):** A list of active orders, including infusions like "Νορσεπτολ (Lorazepam) 10.0 mg IV q 6h" and "Μετοπρολόλ (Metoprolol) 25.0 mg PO q 8h".
- Συγκεκριμένα (Center Panel):** A 24-hour timeline grid showing the administration of various medications and infusions. The grid is color-coded by time (e.g., 08:00-12:00 in red, 12:00-16:00 in green, 16:00-20:00 in blue).
- ΤΑΚΤΙΚΗ ΚΑΘΗΜΕΡΙΝΗ ΛΟΓΙΣΤΗΚΗ (Right Panel):** A detailed view of a specific order for "Μετοπρολόλ (Loropres) 25.0 mg x 3, Levin, Ένταξη: 29/05/2025 07:00". It includes fields for dosage, frequency, and a barcode for administration confirmation.

The interface also features a "ΠΡΟΣΟΧΗ" (Warning) pop-up indicating a potential conflict or error with the current order, and a "Ταχυστομα γραμμή χορήγησης" (Infusion line) section at the bottom.

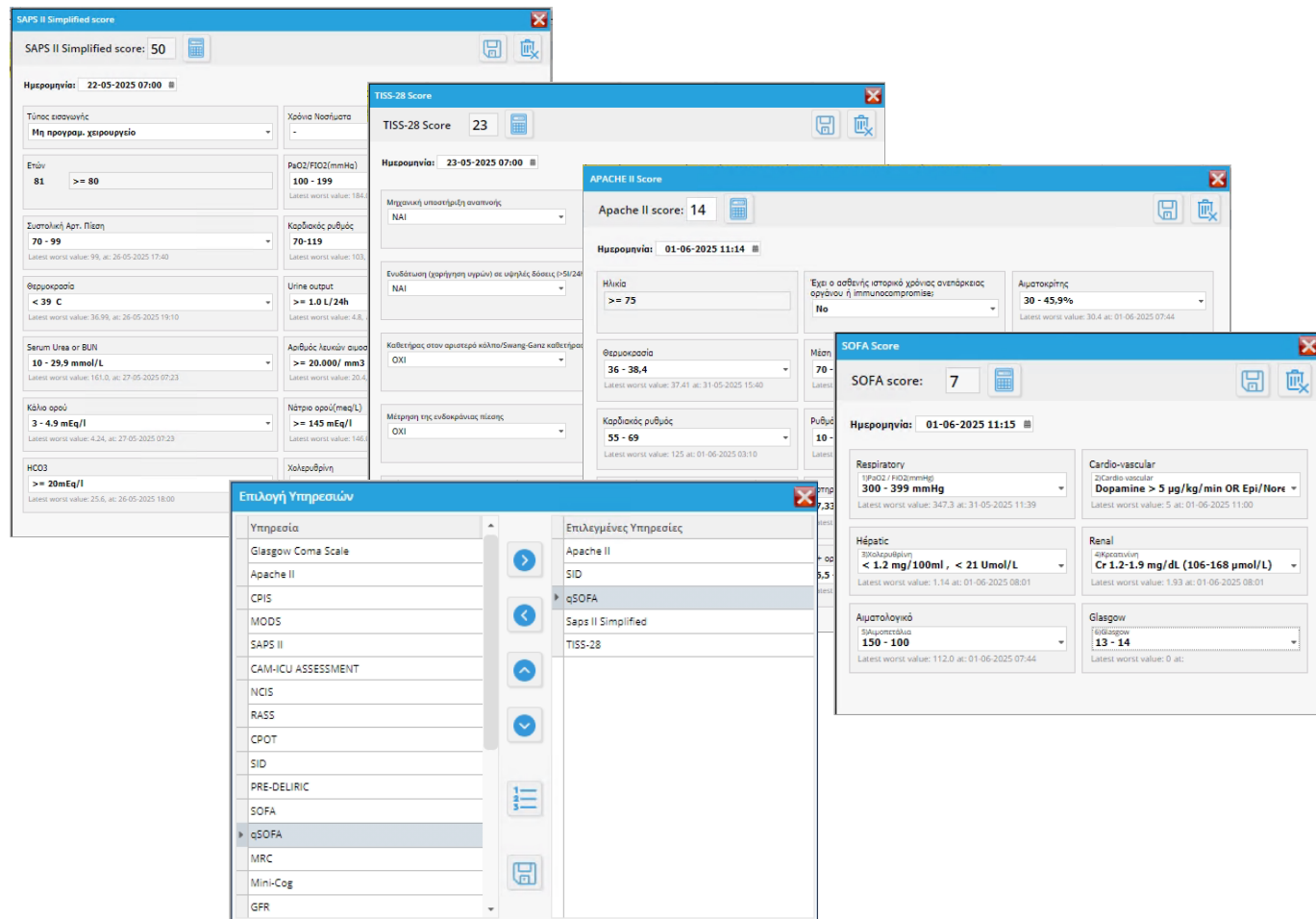
Laboratory Data and Medical Equipment

- Data collection from monitoring systems, ventilators, infusion pumps, etc.
- Continuous updating of vital signs
- Integration with Laboratory Information System (LIS)
- Automatic, real-time updating and recording of results
- Smart charts for clinical condition monitoring (e.g. infections, glucose, kidney function) with time-stamped data



Calculation of clinical indicators

- Calculation of multiple clinical scores and indicators : GCS, APACHE II, CPIS, MODS, SAPS II, CAM-ICU, NCIS, RASS, CPOT, SID, SOFA, MRC, PRE-DELIRIC, SAPS II Simplified, GFR, etc.
- Retrospective calculation of clinical scores
- Ability to define indicator groups
- Color-coded alerts for pending data entries



The screenshot displays the CritIS ICU software interface with several score calculation windows open:

- SAPS II Simplified score:** 50. Date: 22-05-2025 07:00. Fields include: Τύπος εισαγωγής (Μη προγραμ. χειρουργείο), Επών (81), Συστολική Απ. Πίση (70-99), Θερμοκρασία (< 39 C), Serum Urea or BUN (10-29.9 mmol/L), Κάθια ορού (3-4.9 mEq/l), HCO3 (>= 20mEq/l).
- TISS-28 Score:** 23. Date: 23-05-2025 07:00. Fields include: Μηχανική υποστήριξη αναπνοής (ΝΑΙ), Ενυδάτωση (ΝΑΙ), Καταβολή στον αρτηριακό κώλο/Swain-Gale κατάτμηση (ΟΧΙ), Μέτρηση της ενδοφθάλμιας πίεσης (ΟΧΙ).
- APACHE II Score:** 14. Date: 01-06-2025 11:14. Fields include: Ηλικία (>= 75), Θερμοκρασία (36-38.4), Καρδιακός ρυθμός (55-69), Εχει ο ασθενής ιστορικό χρόνιου ανεπάρκειας οργάνου ή immunocompromised (Νο), Αιματοκρίτης (30-45.9%).
- SOFA Score:** 7. Date: 01-06-2025 11:15. Fields include: Respiratory (300-399 mmHg), Cardio-vascular (Dopamine > 5 µg/kg/min OR Epi/Nore), Ηπατική (< 1.2 mg/100ml), Ρεναλ (Cr 1.2-1.9 mg/dL), Αιματολογικό (150-100), Glasgow (13-14).
- Επιλογή Υπηρεσιών:** A list of services with checkboxes for selection: Υπηρεσία, Glasgow Coma Scale, Apache II, CPIS, MODS, SAPS II, CAM-ICU ASSESSMENT, NCIS, RASS, CPOT, SID, PRE-DELIRIC, SOFA, αSOFA, MRC, Mini-Cog, GFR.

Pressure ulcers care

- Documentation and monitoring of pressure ulcers
- Recording of treatment methods
- Replicating of pressure ulcer records from the previous day
- Ability to store and display photographs

CritIS Synergy+ M.A.Φ. / M.E.Θ. 2

Bed: 0 SSN: Patient: TEST_PATIENT TEST, 55 Age
 Episode: 4808 Admission: 25-05-2021 14:11 Father's name: TEST
 ID: 295 L.O.S.: 1468 ICD10 not set

Fluid Balance (ml) = 0.0
 Shift 1 Shift 2 Shift 3 24h IN: 0.0 0.0 0.0 0.0 OUT: 0.0 0.0 0.0 0.0
 1468 31/05/2025

Wounds

Stage 1 Stage 2 Stage 3 Stage 4 Unstageable
 Moisture Meter Swabbing Rep Dressing

Wound ID	Stage	Treatment	Treatment Date
1	Stage 2	<input checked="" type="checkbox"/>	05/31/25 13:37 PUSH 3.0
2	Stage 1	<input checked="" type="checkbox"/>	05/31/25 13:38 PUSH 3.0
3	Stage 1	<input type="checkbox"/>	05/31/25 13:41 PUSH 3.0

Copy wounds from yesterday
 Display info

Details for selected pressure ulcer
 Date & Time: 05/31/25 13:37

☐ V.A.C. ☐ Autologous
 Patch
 Cleaning Dermacyn/N/S 0,9%

Show all images
 File name
 C0945383-Bedsores_copy original.max-600x600.jpg
 Locate & Upload image file...

CritIS ICU

Catheter Care

- Recording of catheter insertion, replacement, and removal
- Ability to document additional details: insertion site and catheter size
- CLABSI score monitoring
- Management of catheter dressings
- Automated reminders for catheter changes – with audio and visual alerts

The screenshot displays the CritIS Synergy+ M.E.Θ. software interface, which is used for managing catheter care and monitoring CLABSI scores. The interface is divided into several sections:

- Top Section:** Contains a header with the patient's name (Ασθενής: 77 Ετών) and a navigation bar with icons for various functions.
- Left Panel:** A sidebar with a menu for "Καθετήρες" (Catheters) and a form for recording catheter insertion, replacement, and removal. The form includes fields for "Ημερομηνία" (Date), "Ώρα" (Time), "Είδος καθετήρα" (Catheter type), "Τοποθεσία" (Location), and "Ημέρες για Αλλαγή Καθετήρα" (Days for catheter change).
- Main Area:** A large table titled "Εξαγωγή Πληροφοριών Καθετήρων" (Catheter Information Export) showing a list of catheters with columns for "Τοποθέτηση" (Placement), "Αφαίρεση" (Removal), "Όνομα Καθετήρα" (Catheter name), "Καθετήρας" (Catheter), "Ημέρες" (Days), and "Ακτία αλλαγής/αφαίρεσης" (Change/removal alert). The table lists various catheters, including "Ουροκαθετήρας" (Ureter catheter), "Αρτηρ. Καθετήρας (AK)" (Arterial catheter), "Κεντρ. Φλεβ. Καθετ. (ΚΚΚ) Τριαιμοξ(III)" (Central venous catheter), "Γαστροστομία" (Gastrostomy), and "ΜidLine".
- Right Panel:** A section titled "ΑΛΛΑΓΗ ΕΠΙΘΕΜΑΤΟΣ για AK-BPA-Δ" (Change dressing for AK-BPA-Δ) with a form for recording the change. It includes fields for "Ημερομηνία" (Date), "Ώρα" (Time), and a list of instructions for changing the dressing.

Special Tests management

- Recording of results and diagnoses from specialized examinations
- Visual indication of abnormal findings

CritIS Synergy+ MEG

Bed: 3 SSN: Episode: 209 Admission: 14-05-2025 12:18 ID: 206 L.O.S.: 18

Patient: 69 Age

Fluid Balance (ml) = -212.0

IN: 2158.0 0.0 0.0 2158.0 OUT: 2370.0 0.0 0.0 2370.0

18: 31/05/2025

Special Exams

Other special tests

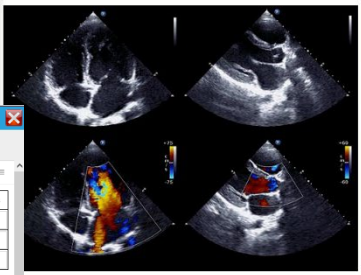
Services	14-05-2025 12:25	14-05-2025 12:28	14-05-2025 12:28
Εξέταση Υπνών	Μητρ. Μητρ.: 14-05-2025 Αλυσ	Μητρ. Μητρ.: 14-05-2025 Ούρα	Μητρ. Μητρ.: 14-05-2025 Μυ. Βρογχ.
ECHOCARDIOGRAPHY	ΚΑΚ ΔΕ ΣΑΔΑΥ ΣΤΑΦΗ ΕΠΙΟΡ		
ECHO LUNG	15-05-2025 18:44	28-05-2025 21:11	
TRANSESOPHAGEAL ECHOCARDIOG...	15-05-2025 18:50		

ECHOCARDIOGRAPHY

Date: 28-05-2025 Time: 21:11 Pathological findings: Yes

Diagnosis Images

File name: echoCardiacI...



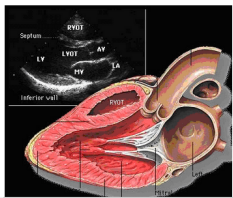
ECHOCARDIOGRAPHY

Ημ...: 26-05-2025 Δρα: 10:30 Παθολογικά ευρήμα...: ΝΑΙ

Διάγνωση Images

Parameters	Normal Ranges	Measurements	Parameters	Normal Ranges	Measurements
Aortic root:	20-38 mm		End diastolic diameter (LV):	36-56 mm	
Left Atrium:	19-39 mm	46.0	End Systolic Diameter (LV):	25-37 mm	
IVS:	7-11 mm	17.0	Ejection Fraction:	> 55 %	

Mitral valve: SYSTOLIC DYSFUNCTION: OTHER: Aortic valve: DIASTOLIC DYSFUNCTION: Pulmonary valve: VOLUME: Tricuspid valve: PASP: Pericardial Effusion:



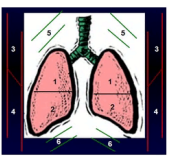
Σημεία:
Συγκριτική υπερηχογραφία AP με διατεταγμένο EF> 55%
IVS 17mm, ΔΕ φυσιολογικού μεγέθους και λειτουργικότητας, Βαλβίδες μορφολογικά κ.φ. Ροές κ.φ.

ECHO LUNG

Ημ...: 01-06-2025 Δρα: 11:44 Παθολογικά ευρήμα...:

Διάγνωση Images

C	A	RE	I
1			
2			
3			
4			
5			
6			



ΠΝΕΥΜΟΝΟΘΡΑ...: ΥΠΕΡ ΣΥΛΟΓΗ Σημεία

ΠΝΕΥΜΟΝΟΘΡΑ...: ΥΠΕΡ ΣΥΛΟΓΗ

Medical & Nursing record management

- Detailed patient medical history
- Use of international coding systems
- Daily documentation of disease progression
- Recording of consultant physicians' recommendations
- Discharge summary
- Patient discharge
- Nursing and physiotherapy shift notes

The screenshot displays the CritIS Synergy+ M.E.D. software interface, which is used for managing medical and nursing records. The interface is divided into several sections:

- Top Section:** Patient information including name (Ασθενής), age (73 Ετών), gender (Πατριότυπο), and date of birth (11-01-1952). It also shows vital signs and laboratory results.
- Left Panel:** A list of nursing records (Νοσηλευτικές παρατηρήσεις) with dates and times, such as 22-23/05/2025 and 23-05/2025.
- Right Panel:** A list of physician recommendations (Παραπομπές Επισκευδίου) with dates and times, such as 14-05-2025 12:18 and 14-05-2025 19.
- Main Content Area:**
 - Medical History (Ιατρικό ιστορικό):** A detailed text area containing patient history, including symptoms, diagnosis, and treatment. It mentions conditions like "ΑΓΝ. ΣΕ ΜΕΛΑΝΟΜΑ ΑΡΤΗΡΙΑΣ ΜΕ ΜΑΛΑΚΟ ΜΑΛΑΚΗΜΕΝΟ ΕΠΙΧΕΙΡΗΜΑΤΟ" and "ΑΓΝ. ΣΕ ΜΕΛΑΝΟΜΑ ΑΡΤΗΡΙΑΣ ΜΕ ΜΑΛΑΚΟ ΜΑΛΑΚΗΜΕΝΟ ΕΠΙΧΕΙΡΗΜΑΤΟ".
 - Nursing Records (Νοσηλευτικές παρατηρήσεις):** A section for recording nursing observations and interventions.
 - Physician Recommendations (Παραπομπές Επισκευδίου):** A section for recording recommendations from consultants.
 - Discharge Summary (Αποφορτίση):** A section for recording the patient's discharge status and recommendations.

DRG management

- Management of diagnoses (ICD-10 GrM)
- Management of medical procedures
- Automatic calculation of Mechanical Ventilation Duration
- Automatic calculation of intensive care scoring for complex ICU care

CritIS Synergy+ M.A.Φ. / Μ.Ε.Θ. 2

Κλινική: 1 AMKA: Επισκέπτης: 7782 Εισαγωγή: 17-05-2025 16:12 AM: 6969 Ημέρες νοσηλείας: 16 Ασθενής: 76 Ετών Πατρώνυμο: 161.0 Ενδοεγγραφική αμοιβή ελεγχόμενου ημερησίου υ

Πληροφορίες Επεσοδίου

Γενικές πληροφορίες Ιατρικό ιστορικό Πορεία Νόσου Γνωματεύσεις συμβούλων ιατρών Ενημερωτικό Εξόδου Εξιτήριο Κλινικές Μελέτες Σύνοψη **DRGs**

ICD-10GrM Κύρια • Δευτερεύουσα
J20.9 Οξεία βρογχίτιδα, μη καθορισμένη

Αποθήκευση

Κωδικός	Περιγραφή	Κύρια	ΟΠΣ
160.9	Υποταχισθείς αμοιβή, μη καθορισμένη		✓

Διάρκεια μηχανικού αερισμού (354 Ώρες) 354

Ημερ.	Υπερβολή	Κατάσταση	Τμή
17-05-2025 16:00	Peep - A/C (έλεγχ.)		6
17-05-2025 16:00	VT - Όγκος		411
17-05-2025 18:00	Peep - A/C (έλεγχ.)		6
17-05-2025 18:00	VT - Όγκος		372
17-05-2025 20:00	Peep - A/C (έλεγχ.)		6
17-05-2025 20:00	VT - Όγκος		322
18-05-2025 00:00	Peep - A/C (έλεγχ.)		6
18-05-2025 00:00	VT - Όγκος		331
18-05-2025 05:00	Peep - A/C (έλεγχ.)		6
18-05-2025 05:00	VT - Όγκος		334

Ελληνική Ταξινόμηση Ιατρικών Προέσεων

Εκλογική διάγνωση

Αποθήκευση

Κωδικός	Περιγραφή	Τοποθεσία	Ημερομηνία	ΟΠΣ
583.01.00	Τοποθέτηση και αντικατάσταση κεντρικής φλέβιας γραμμής Τοποθέτηση		31-05-2025 10:51	
222.00	Αιζονική τομογραφία κρανίου με έγχυση σκιασφαρικού		29-05-2025 13:34	
331.01.01	Παροδική τραχειοστομία: Τραχειοστομική μέση παρακέντησης της τραχείας		23-05-2025 08:04	
302.09.01.00	Άλλες επεμβάσεις σε κρανίο, εγκέφαλο και μήνιγγες: Εμφύτευση ή αντικατάσταση ενδοκρανίου αα...		19-05-2025 00:11	
222.00	Αιζονική τομογραφία κρανίου με έγχυση σκιασφαρικού		18-05-2025 15:13	
302.02.00.00	Τομή στο καυκάσιο σύστημα του εγκεφάλου: Τοποθέτηση εξωτερικής παροχέτευσης Κουλακά		17-05-2025 18:13	
583.01.00	Τοποθέτηση και αντικατάσταση κεντρικής φλέβιας γραμμής Τοποθέτηση		17-05-2025 14:00	
570.01	Απλή ενδοτραχειακή διαπληθύνση		17-05-2025 13:00	

CritIS ICU

Management of nursing forms (Greek National Organization for the Provision of Health Services - ODIPY)

- Blood transfusion form
- Fall incident report form
- Receipt of valuables form
- Recording of resistant microorganisms
- Bed positioning checklist
- Equipment inspection record

The screenshot displays the CritIS Synergy+ software interface, which is used for managing nursing forms in an ICU. The interface is divided into several sections:

- Top Bar:** Displays patient information including name (Κλινική 1), AMKA (7782), date of birth (17-05-2025), and time (16:12). It also shows the patient's age (6969) and the date of the last nursing form (16).
- Navigation Menu:** Includes options for 'Νοσηλευτικές παρατηρήσεις' (Nursing Observations), 'Νοσηλευτικό Ενιμερωτικό Σημείωμα Εξόδου' (Nursing Discharge Summary), and 'Διαφορα' (Discrepancy).
- Main Form Area:** Contains several sub-forms:
 - Μεταγγισιόν Αιμά Α προϊόν αίματος** (Blood Transfusion Form): Includes fields for patient name, date, and time, and a table for recording transfusion details.
 - Εντυπο μετάγγισης αίματος** (Blood Transfusion Form): Includes fields for patient name, date, and time, and a table for recording transfusion details.
 - Πρωτόκολλο παραλαβής τιμαλφών** (Receipt of Valuables Form): Includes fields for patient name, date, and time, and a table for recording valuables.
 - Σημειώσεις** (Notes): A section for recording nursing observations.
- Bottom Section:** Displays a patient room layout (MEΘ 2) with 11 numbered beds. Each bed is represented by a colored box indicating its status (e.g., red for occupied, green for vacant). A central box labeled 'Χώρος νοσηλείας' (Nursing Room) is also shown.

P: Pseudomonas aeruginosa – Carbapenem resistant, K: Klebsiella pneumoniae– Carbapenem resistant, E: E. Coli - Carbapenem resistant, A: Acinetobacter Carbapenem resistant, VRE: Vancomycin-resistant Enterococcus, MRSA: Methicillin-Resistant Staphylococcus aureus, C. aur: Candida auris, C. dif – Cl. difficile

Other features

- Staff scheduling per shift
- Comprehensive patient monitoring
- Management of outpatient clinical assessments
- Recording of billable medical supplies
- Data export in printed and electronic formats
- Multilingual environment
- Complete and secure history of all system activities (audit trail)



Application configuration and management

- Configuration via graphical user interfaces
- Management of flowsheets, measurements, normal values, etc.
- Management of coding systems, medications, medical supplies, etc.
- User and permissions management
- Role-based access and documentation tools for physicians, nurses, and physiotherapists

CritIS Synergy+ MEO Deferaios Gerasimos

Διαχείριση Εφαρμογής Πρωτόκολλα Κλινικές Μετρήσεις Επεισόδια Tools

Paracetamol (Apotel)

Selected Drug: **Paracetamol (Apotel)** ☒ Hide deleted items

ID	Περιγραφή δόσης	Δόση	Units	Frequency	Οδός χορήγ.	Παθ	Flow units	Αραίωση(mL)	Αραίωση σε	Comments	M.O.
284	Προσφερόμενη δόση			TTS							
5248	1 g Εφ άπαξ	1.0	g	Εφ άπαξ	IV						
6249	1 g x3	1.0	g	x3	IV						

CritIS Synergy + Deferaios Gerasimos

Διαχείριση Εφαρμογής Πρωτόκολλα Επεισόδια Tools

Διαχείριση Υπηρεσιών

Κατηγορία Υπηρεσιών: 1 / Αιμοδυναμική

Προσθήκη Υπο-υπηρεσίες

ID	Υπηρεσία	Περιγραφή	Κωδικός	Κατηγορία Υπηρεσ	Ενεργή	Προσθ
1	CVP	Κεντρική Φλεβική Πίεση		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	PWg	Πίεση Ενσφηνύωσης		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	IAP	Ευδοκαυλική Πίεση (intra-abdominal pressure)		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	CO/CI	Cardiac Output/Cardiac Index		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	SV/SVI	Stroke Volume/Stroke Volume Index		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	SVR/SVRi	Systemic Vascular Resistance/SVR Index		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	PVR/PVRI	Pulmonary Vascular Resistance/PVR Index		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	SVV	Stroke volume variation		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	PPV	Pulse pressure variation		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	ELW/ELWI	Extravascular Lung Water/ELW Index		Αιμοδυναμική	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Υπο-υπηρεσίες για SVR/SVRi

Save order of appearance

ID	Υπο-υπηρεσία	Κωδικός	Τύπος	Μον. Μέτρησης	Κωδικοποίηση	Σταθ. Εμφθ
9	SVRI	SVRI	Number	(dyne*sec)/cm-5		2
8	SVR	SVR	Number	(dyne*sec)/cm-5		1

ΠΡΟΣΟΧΗ! Η τροποποίηση, μετονομασία, διαγραφή υπ

CritIS ICU

Advanced Clinical Data Information System (ICU, Pediatric ICU, and Neonatal ICU)

CritIS ICU brings accuracy, flexibility, and intelligence to the intensive care environment—ensuring that medical and nursing staff have the right data, at the right time, to deliver high-quality care.



Benefits

1

Healthcare professionals

- Immediate access to patient data and medical records at the point of care
- Assists clinical decisions-making through real-time data and alerts
- Reduced errors in documentation and medication prescribing
- Improved coordination among medical and nursing staff

2

Nursing personnel

- Automated workflows for documentation, medication administration, and task monitoring
- Continuous recording of measurements from medical equipment
- Clear and up-to-date overview of the patient's condition
- Smoother shift changes and improved continuity of care

3

Patients

- Reduced risk of errors and faster diagnosis/intervention
- Data-driven decision-making, and interventions based on high-quality clinical information
- Better outcomes through standardized care and protocol adherence
- Increased safety, especially in complex multi-organ conditions

4

Hospital Administration

- Optimized ICU resource utilization and reduced length of stay
- Improved compliance; support for DRG-based reimbursement
- Strong foundation for research, auditing, and quality improvement
- Enhanced communication and continuity of care across departments and shifts
- Lower costs, minimized errors, and efficient care delivery



CritIS Synergy+ | Anesthesia

Functional features at a glance

Preoperative Assessment

- Complete electronic documentation and organization of preoperative data
- Somatometric measurements, medical and surgical history, ASA & Mallampati score
- Digitally signed consent forms

Intraoperative management

- Safety checklists and monitoring equipment registration
- Airway management, intubation method, and type of anesthesia
- Automatic data acquisition from devices for vitals, gases, ventilation, ABGs
- Anesthesia protocols, checklists, incident/event logging, and catheter/line tracking

Postoperative Recovery (PACU)

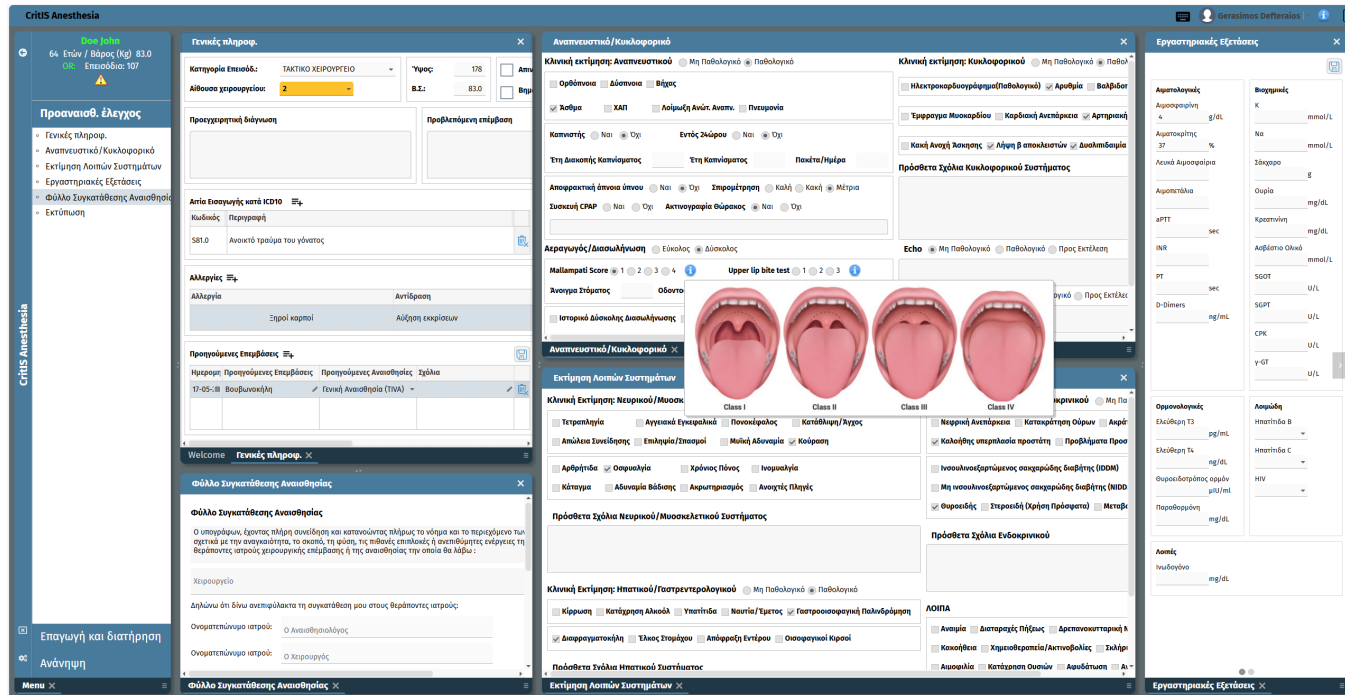
- Automatic data retrieval from monitoring and ventilation devices
- Documentation of catheters/lines, medications, administered/removed fluids



CritIS Anesthesia

Preoperative Assessment

- Anthropometric data
- Diagnosis and planned intervention
- Previous surgeries & anesthetics
- Allergies
- Pharmacotherapy
- Clinical assessment per system
- Mallampati score, Upper lip test
- Laboratory tests
- Anesthesia consent



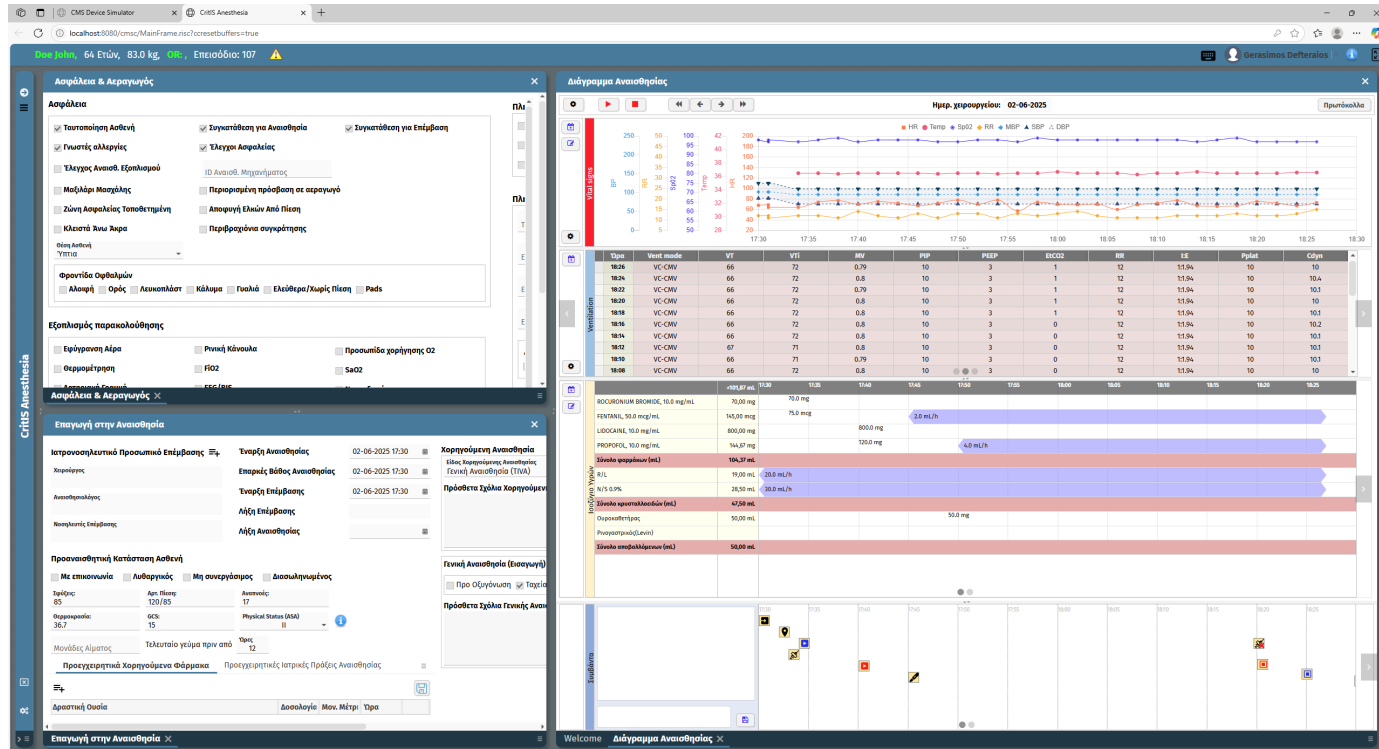
The screenshot displays the CritIS Anesthesia software interface, which is a comprehensive preoperative assessment tool. The interface is organized into several panels and sections:

- Left Panel:** Contains a sidebar with navigation options like "Προανασθ. έλεγχος" (Pre-anesthesia check) and "Επαγωγή και διατήρηση" (Induction and maintenance).
- Top Section:** Displays patient information, including age (64 years), weight (83.0 kg), and height (178 cm).
- Central Panels:**
 - Γενικές πληροφορίες (General information):** Includes fields for medical history, allergies, and previous surgeries.
 - Αναισθησιολογικό (Anesthesiology):** Contains sections for clinical assessment, including Mallampati score, Upper lip test, and various clinical examinations (e.g., Neurological, Cardiovascular, Respiratory).
 - Εργαστηριακές εξετάσεις (Laboratory tests):** Lists various laboratory tests and their results, such as Hemoglobin, Hematocrit, and various electrolytes.
- Right Panel:** Contains a section for "Εργαστηριακές εξετάσεις" (Laboratory tests) with a list of tests and their results.

CritIS Anesthesia

Surgery

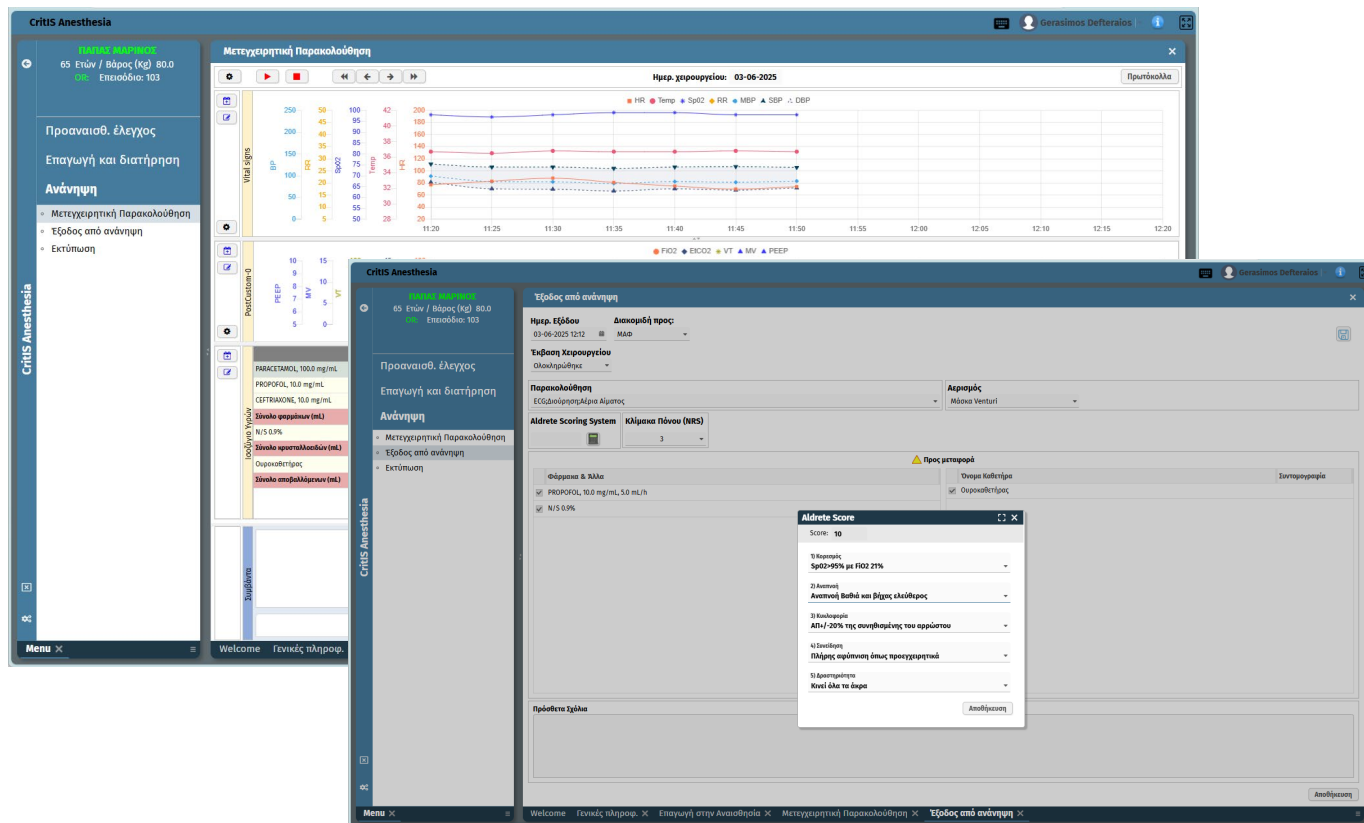
- Safety checks checklist
- Monitoring equipment recording
- Airway and intubation information
- Type of anesthesia
- Time tracking of medical and nursing staff presence
- Automatic recording of vital signs, inhaled/exhaled gases, mechanical ventilation, and blood gases
- Anesthesiology protocols, event logging, lines and catheters documentation
- Monitoring and recording of medications, intake and output fluids



CritIS Anesthesia

Postoperative Recovery (PACU)

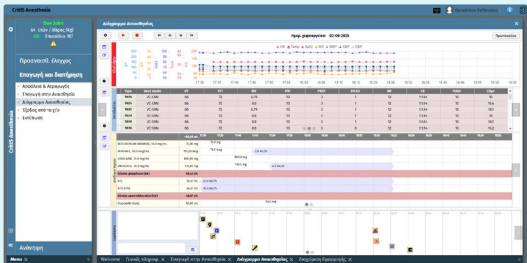
- Charts of vital signs, respiratory data, medication therapy, etc.
- Automatic fluid balance calculation
- Management of lines and catheters
- Automatic or manual documentation
- Customizable measurements and charts
- Management of medications, catheters, and drains for patient transfer



CritIS Anesthesia

Advanced Clinical Data Information System for Anesthesia

Designed to assist anesthesiologists in easily, comprehensively, and accurately documenting the patient's status and progress throughout a surgical procedure, covering the preoperative, intraoperative, and postoperative phases.



Benefits

1

Healthcare professionals

- Immediate and comprehensive recording of all parameters and interventions in real time
- Fewer errors thanks to automated data collection
- Focus on the patient, eliminating handwritten documentation
- Easier evaluation of previous surgeries/anesthetics

3

Patients

- Enhanced safety through accurate documentation and monitoring
- Minimization of errors in medications, dosages, and administrations
- Improved treatment of complications
- Maintenance of a complete anesthesia history

2

Nursing personnel

- Automated workflows for documentation, medication administration, and task monitoring
- Improved coordination between anesthesiologists, surgical, and nursing teams
- Clear and up-to-date overview of the patient's condition
- Reduced paperwork and increased clinical time

4

Hospital Administration

- Compliance with regulatory standards and legal requirements
- Enhancement of care quality
- Capability to analyze data for optimizing practices and quality audits
- Time and resource savings through automation and integration with HIS

CritIS Synergy+ | Connect

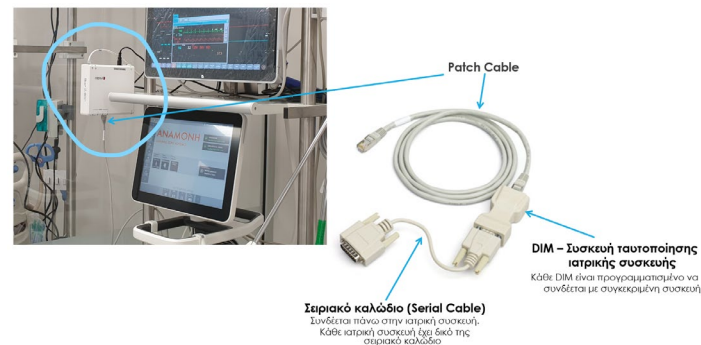
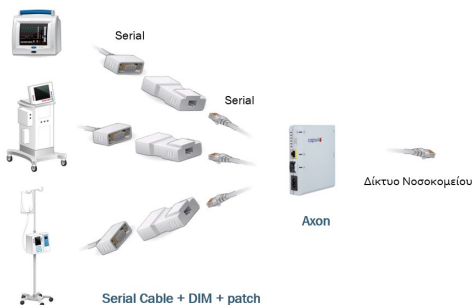
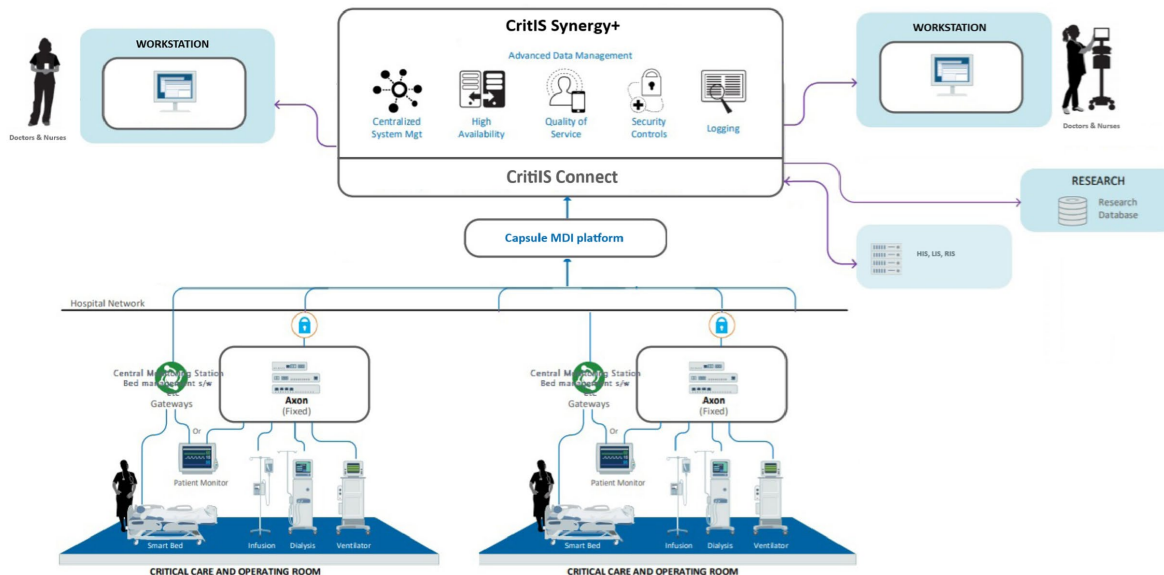
- Based on Mirth Connect, a leading open-source integration platform for healthcare systems
- Multiple communication channels for seamless integration with HIS, LIS, RIS, PACS, as well as with medical equipment
- Wide protocol support, compatible with HL7 (2.x – 3.0), NCPDP, X12, DICOM, ASTM, and XML
- Multiple access methods (MLLP/LLP, TCP/IP, HTTP/HTTPS, S/FTP, databases, email, JMS & web services)
- Management of hundreds of messages per second, encrypted storage for security and prevention of data loss, and advanced error notifications
- Capability to connect with local or national systems (e.g. HΔIKA, e-prescription, e-health cloud)



CritIS Connect

Medical device integration

- Drivers available for over 1,000 devices (via the Philips Capsule system)
- Real-time data transfer
- Fully compliant with all European and national regulations, including specific provisions for software and data cybersecurity



CritIS Connect

Management of patient data from multiple systems

- Designed to operate independently or interconnected with the hospital information system via a bidirectional HL7 ADT interface.
- Seamless integration of all functional areas and applications of the CritIS Synergy+ platform, for example, transferring a patient case from CritIS Anesthesia to CritIS ICU.

ΕΥΡΕΣΗ - ΣΤΟΙΧΕΙΑ ΑΣΘΕΝΗ

Αναζήτηση Αποθήκευση Νέος Ασθενής Επεισόδια

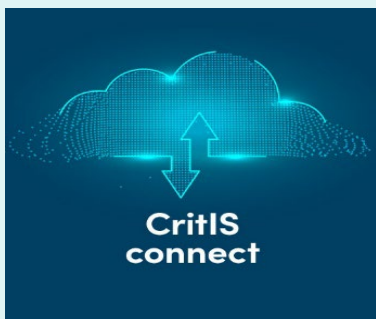
Επώνυμο	ΨΑΛΤΗΣ ΤΕΣΤ	Όνομα	ΧΑΡΙΛΑΟΣ
Πατρώνυμο	ΠΕΤΡΟΣ	Μητρώνυμο	MARIA
Φύλο	Άνδρας	Ημερ. Γεν.	11-12-1964
Διεύθυνση	ΣΥΡΟΥ 5	Πόλη	ΗΡΑΚΛΕΙΟ
Τ.Κ.	71110	Νομός	
Οικ. Κατάσταση	Έγαμος	Χώρα	
Τηλέφωνο	11111111	Τηλέφωνο	69856231
		<input type="radio"/> Ηλικία	<input type="radio"/> Ημερ. Γεν. 11-12-1964
Σχόλια	σδφγσδγφδγ		
Ημερ. Θανάτου		<input checked="" type="checkbox"/> Μη Ενεργός Φάκελος	
ΑΜΚΑ	12345678901		
Αρ. Εγγράφου Ταί	X546789	Έγγραφο Ταυτοποίησης	Δ.Α.Τ.
Α.Μ. Ασφαλ. Φορέα	895623	Ασφαλ. Φορέας	



CritIS Connect

Seamless interoperability and full integration of devices and information systems

CritIS Connect is designed to operate independently or interconnected with medical devices, the hospital's local information system, and national systems through a bidirectional HL7 ADT interface.



Benefits

1

Faster Integration & Lower Cost

- Significantly reduces the time and cost of implementing interfaces between systems and medical devices
- Built on open-source architecture and standardized protocols
- Easily scalable across multiple departments and facilities

2

True Interoperability & System Integration

- Connects different systems (HIS, LIS, RIS, PACS, medical devices) into a unified environment
- Supports integrated workflows and real-time data exchange
- Eliminates vendor or proprietary API lock-in

3

Integration with National & Local Health Systems

- Connects with platforms such as HDIKA, electronic prescription, and the e-health cloud
- Designed to comply with evolving government standards
- Ensures secure and standardized communication at all levels (clinical & administrative)

4

Advanced Security & Monitoring

- Secure encryption of messages and protection of sensitive data
- Error detection and notifications
- Message recovery in case of interruptions



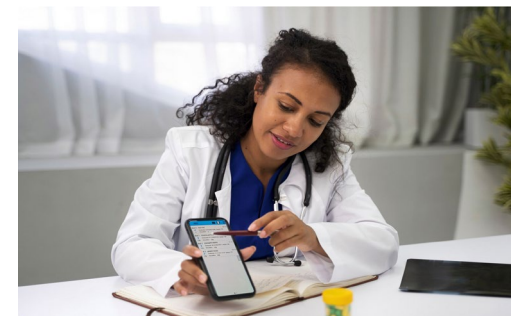
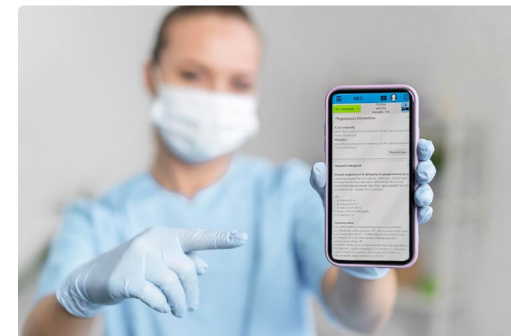
CritIS Synergy+ | Mobile

Features at a glance

- Customized screens for smartphones and tablets
- Live display of vital signs and parameters in real time
- Instant access to the patient record from anywhere (on-call, off-site)
- View of lab history, medication regimen, and charts
- Ability to add notes, instructions, or actions from a mobile device

Benefits

- Immediate and flexible access to patient information
- Participation in decision-making remotely
- Faster response to emergency cases
- Enhanced communication and collaboration between teams
- Time savings from reduced movement to workstations





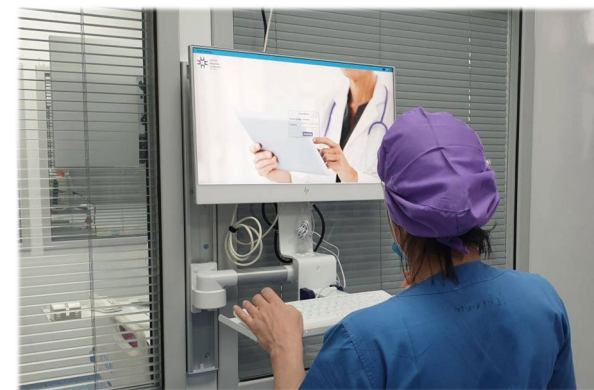
CritIS Synergy+ | tele-ICU

Features at a glance

- Remote real-time monitoring of vital signs and clinical parameters
- Continuous access to the complete electronic patient record
- Live communication via video/audio calls with medical and nursing staff
- Secure exchange of comments, instructions, and alerts between onsite and offsite teams
- Logging of all tele-actions for legal and scientific documentation
- Compliance with HL7/FHIR standards for integration with national and local networks

Benefits

- Extension beyond the physical boundaries of the ICU
- Reduction of travel and physical presence for on-call support
- Support for training and mentoring of staff in regional hospitals
- Enhancement of healthcare system efficiency with fewer resources



Under development



CritIS Synergy+ | AI assistant

Features at a Glance

- AI assistant (chatbot) that can help users navigate and utilize the functionality of CritIS ICU, Anesthesia, and Mobile
- Instant access to structured and unstructured data, creation of custom reports, and information retrieval (analytics and insights) by the user through natural language (text-to-SQL)
- Recommendations for interventions
- Pattern analysis, anomaly detection, and predictive models.

Benefits

- Immediate and intuitive generation of complex reports, extraction of summaries and visualizations
- Dynamic report visualization and interactive dashboards
- Supports faster, data-driven decision-making at the point of care



Under development

Installations



- University General Hospital of Heraklion – ICU, HDU & PICU
- Naval Hospital of Athens (NNA) – ICU & Cardio ICU
- General Hospital of Larissa – ICU & HDU

- 251 Air Force General Hospital – ICU
- Nat. Chest Diseases Hospital "Sotiria" – ICU
- Papageorgiou General Hospital – ICU
- Kozani General Hospital – ICU



ACUTECARE.ai

• TECHNOLOGY FOR CLINICAL EXCELLENCE •

69 Kifisias Avenue, 11523 Athens

Tel: +30 2160011031

Email: info@acutecare.ai, info@critis.gr

www.acutecare.ai