

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



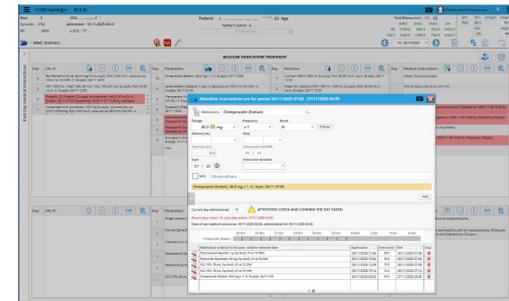
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Years in business

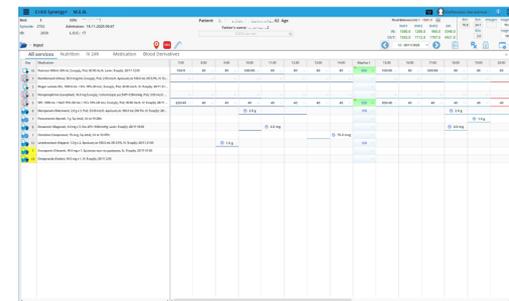
CritIS Synergy+ | ICU

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 shows a medication order form within the CritIS Synergy+ interface. The form is titled 'Medication Order' and includes fields for patient information, medication name, dosage, and administration instructions. A 'Save' button is visible at the bottom right. The interface is designed for ease of use, with clear labels and a structured layout.

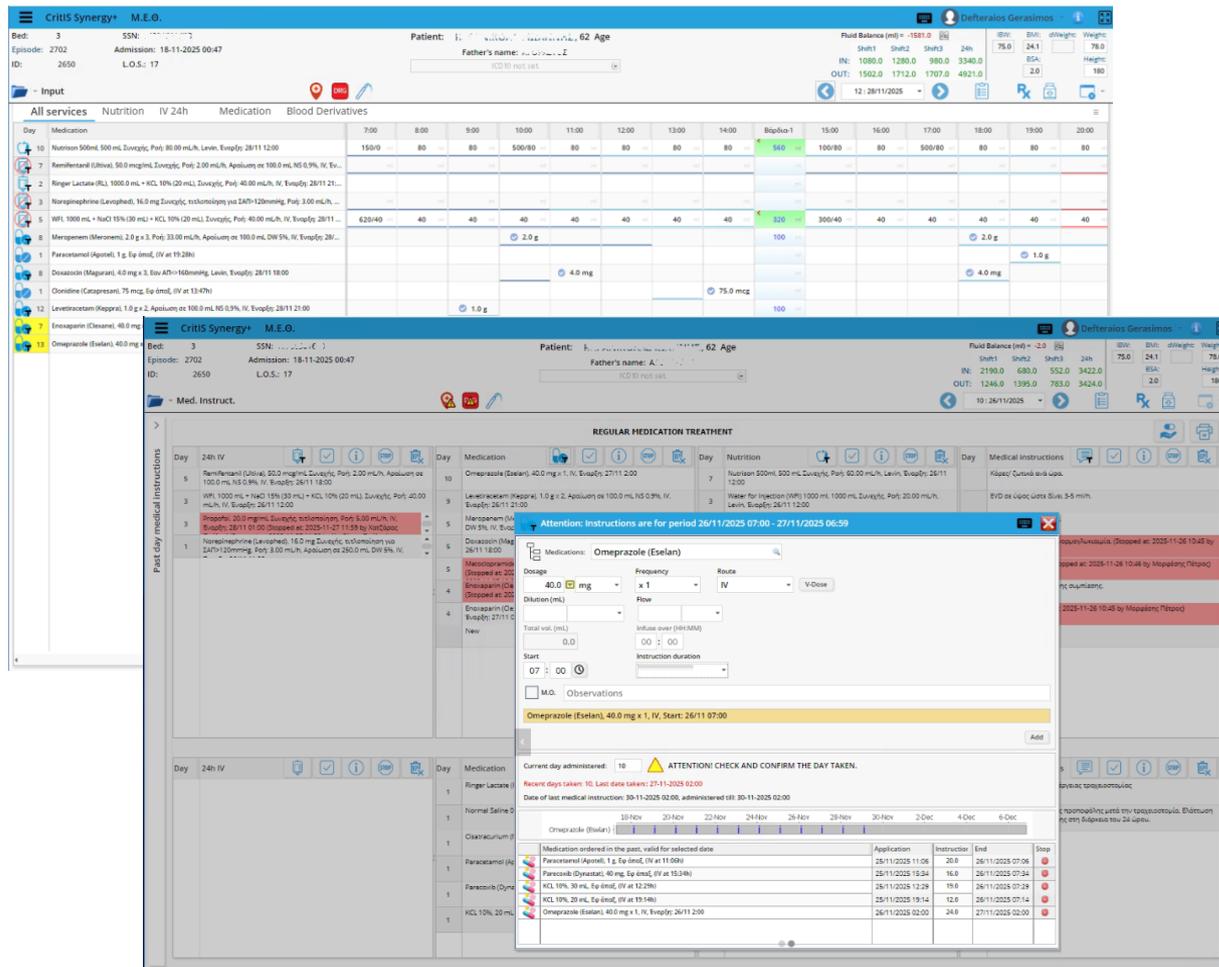


This screenshot displays a patient's flow sheet in the CritIS Synergy+ interface. The flow sheet is a table with multiple columns representing different parameters and rows representing time intervals. The table is organized into sections, with a 'Vital Signs' section at the top. The data is presented in a clear, tabular format, allowing for easy monitoring of patient status over time.

CritIS ICU

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



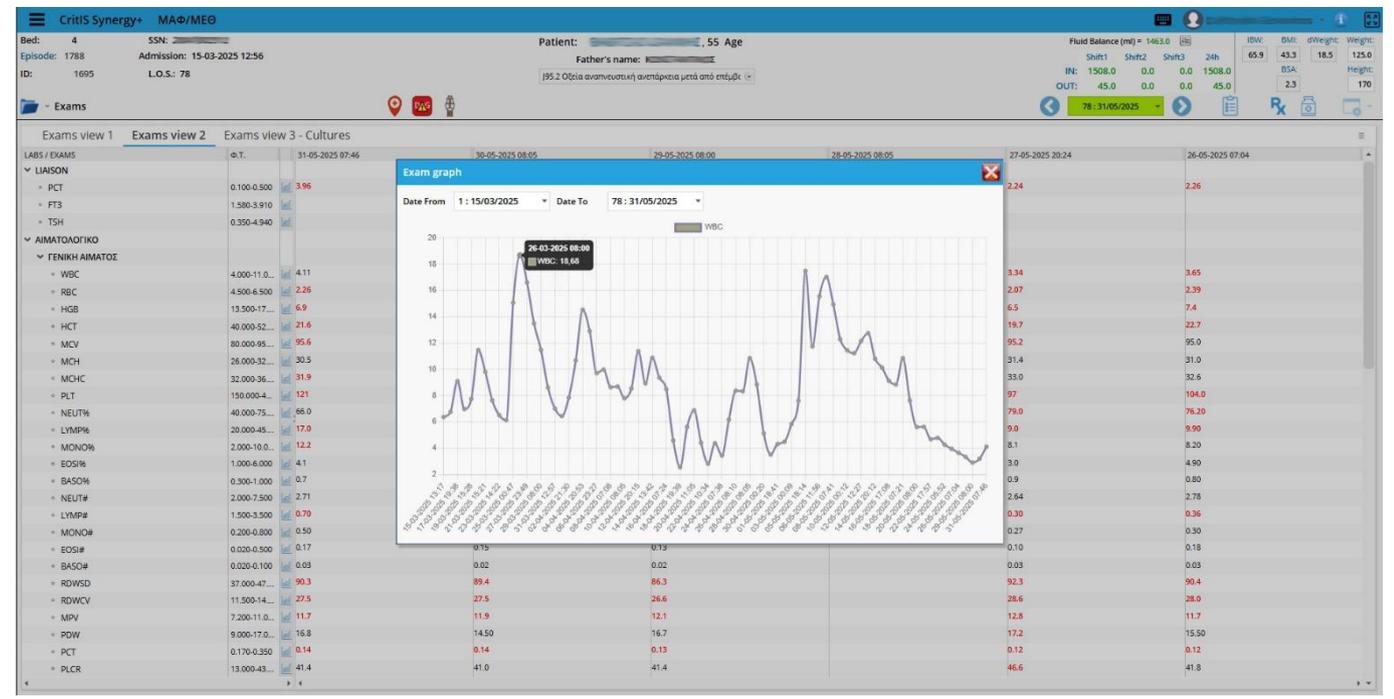
The screenshot displays the CritIS Synergy M.E.O. interface for patient M.E.O. (62 years old). The top section shows patient information, including bed number (3), SSN, admission date (18-11-2025 00:47), and ID (2650). It also displays vital signs and fluid balance data.

The main interface is divided into several sections:

- Input:** A grid showing medication orders for various times of the day (7:00, 8:00, 9:00, 10:00, 11:00, 12:00, 13:00, 14:00, 15:00, 16:00, 17:00, 18:00, 19:00, 20:00). Medications listed include Remifentanyl, Ringier Lactate, Norepinephrine, WFL, Meropenem, Paracetamol, Doxazolin, Clonidine, Levofloxacin, and Enoxaparin.
- Med. Instruct.:** A section for medical instructions, currently empty.
- REGULAR MEDICATION TREATMENT:** A detailed view of medication orders, including Omeprazole (Eselan) 40.0 mg x 1, IV, Start: 26/11/2025 07:00. It shows dosage, frequency, route, and administration status.
- Administration Flowchart:** A timeline view showing the administration of Omeprazole (Eselan) 40.0 mg x 1, IV, starting on 26/11/2025 at 07:00. It includes a table of medication orders and their administration status.

Laboratory Data and Medical Equipment

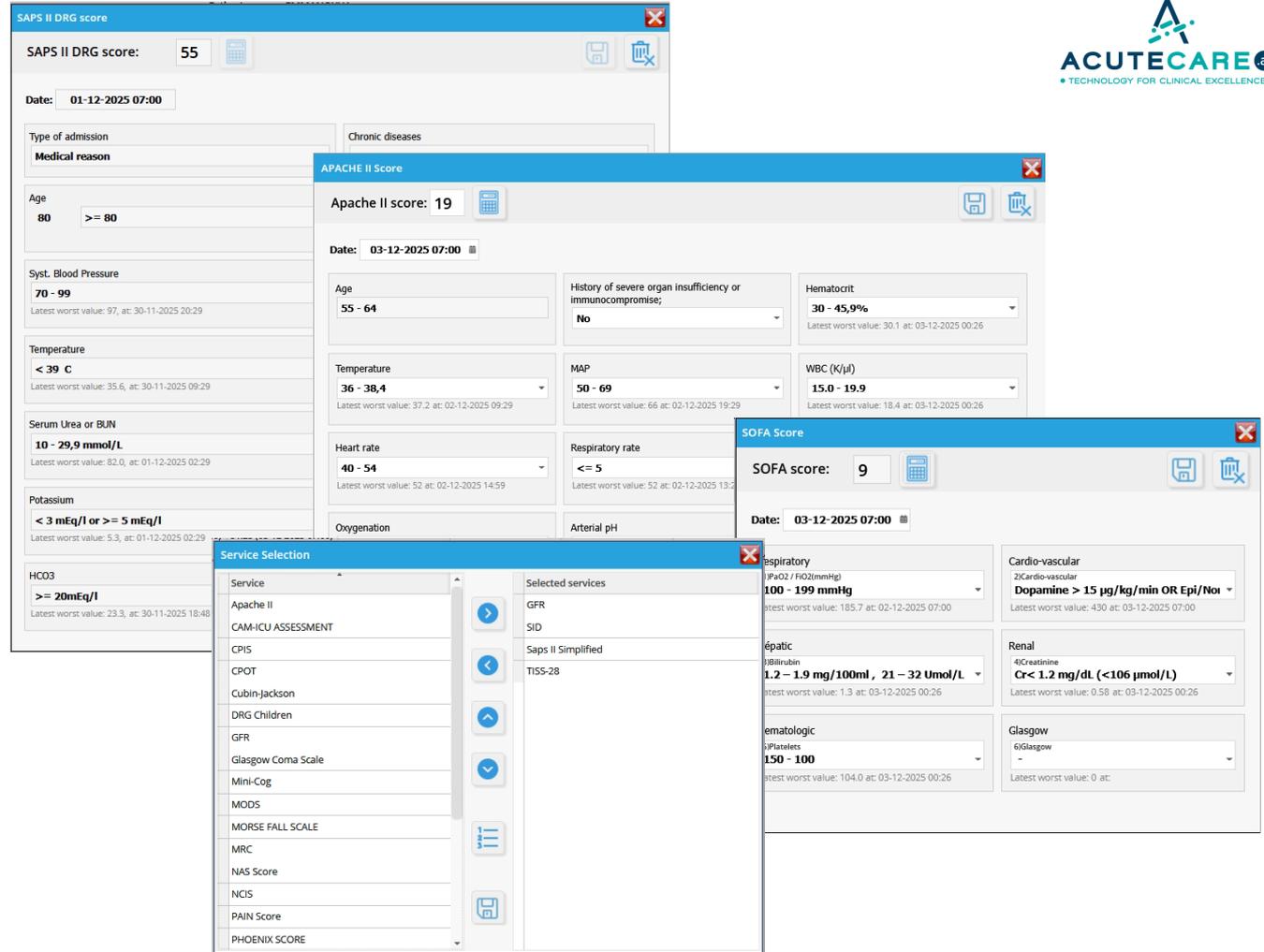
- Data collection from monitoring systems, ventilators, infusion pumps, etc.
- Continuous updating of vital signs
- Integration with Laboratory Information System (LIS)
- Automatic, real-time updating and recording of results
- Smart charts for clinical condition monitoring (e.g. infections, glucose,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



CritIS ICU

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

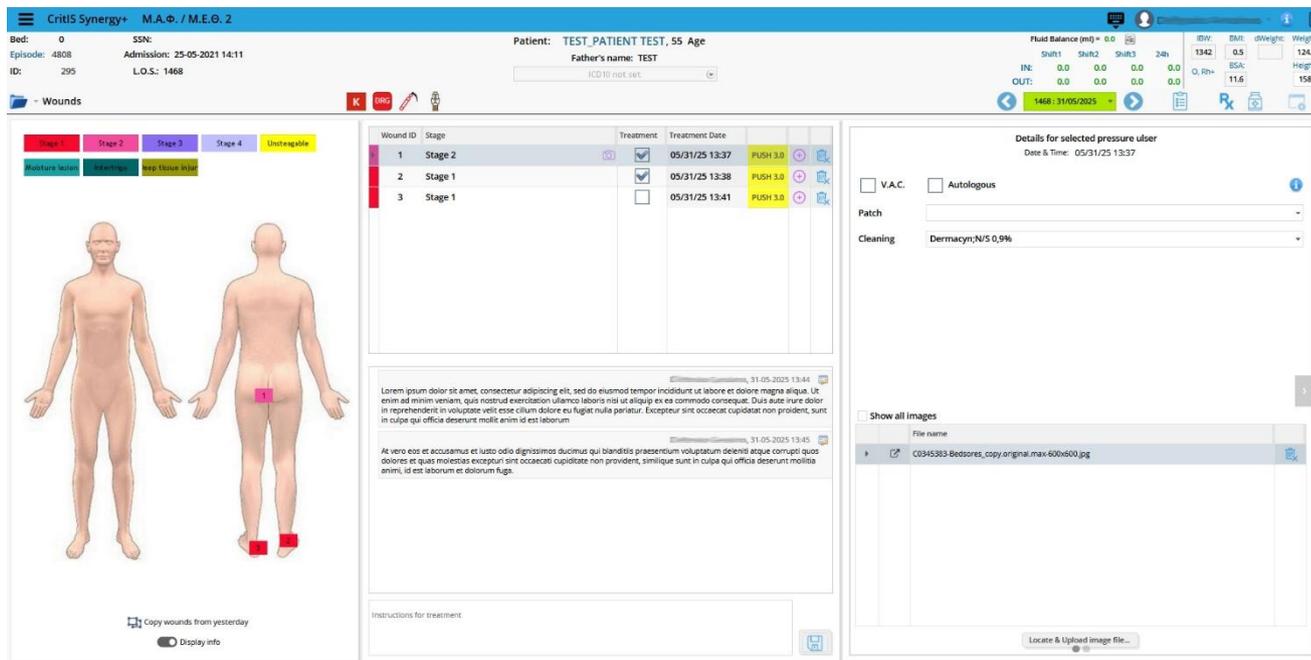


The screenshot displays the CritIS ICU software interface with several overlapping windows for calculating clinical scores and indicators. The windows are:

- SAPS II DRG score:** Shows a score of 55 for the date 01-12-2025 07:00. It includes fields for Type of admission, Medical reason, Age (80), Syst. Blood Pressure (70-99), Temperature (< 39 C), Serum Urea or BUN (10-29,9 mmol/L), Potassium (< 3 mEq/l or >= 5 mEq/l), and HCO3 (>= 20mEq/l).
- APACHE II Score:** Shows a score of 19 for the date 03-12-2025 07:00. It includes fields for Age (55-64), History of severe organ insufficiency or immunocompromise (No), Hematocrit (30-45,9%), Temperature (36-38,4), MAP (50-69), WBC (K/μl) (15.0-19.9), Heart rate (40-54), Respiratory rate (<= 5), Oxygenation, and Arterial pH.
- SOFA Score:** Shows a score of 9 for the date 03-12-2025 07:00. It includes fields for Respiratory (P/FiO2 / FiO2(mmHg) 100-199 mmHg), Cardio-vascular (Dopamine > 15 μg/kg/min OR Epi/No), Hépatic (Bilirubin 1.2-1.9 mg/100ml, 21-32 Umol/L), Renal (Creatinine Cr < 1.2 mg/dl (<106 μmol/L)), Hematologic (Platelets 150-100), and Glasgow (Glasgow -).
- Service Selection:** A window showing a list of services on the left and selected services on the right. The selected services are GFR, SID, Saps II Simplified, and TISS-28.

Pressure ulcers care

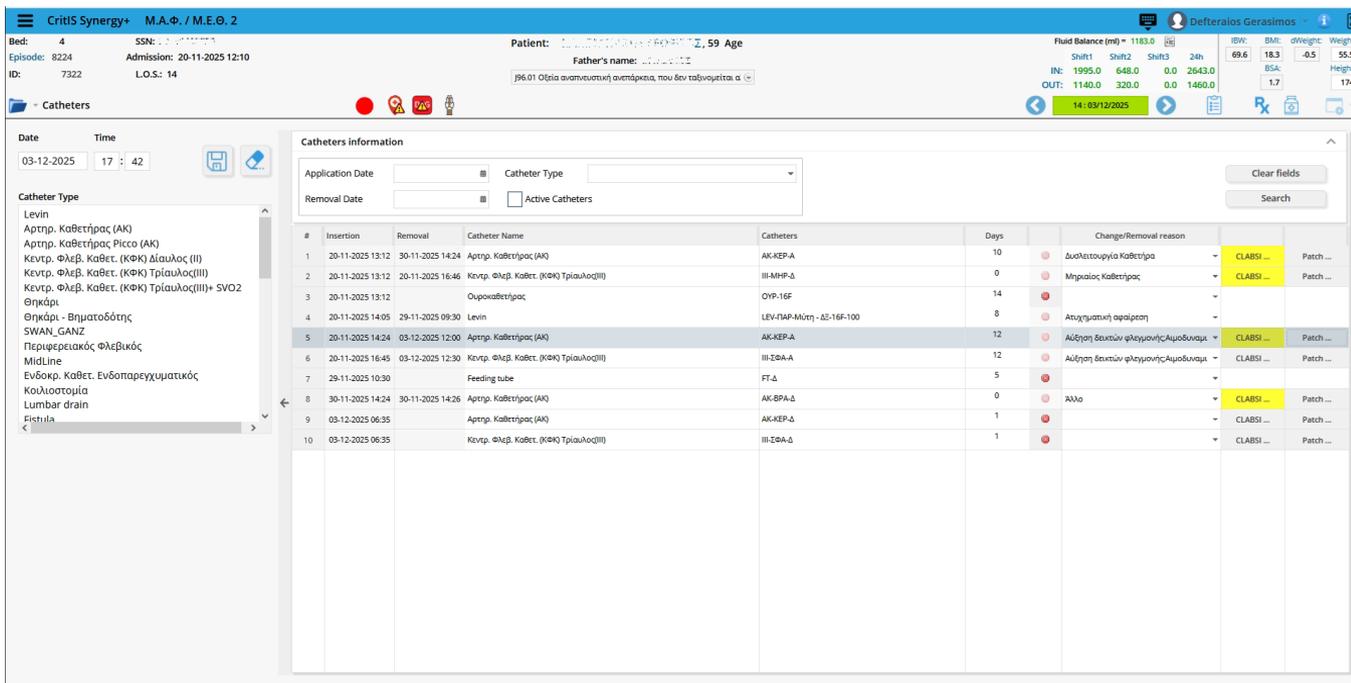
- Documentation and monitoring of pressure ulcers
- Recording of treatment methods
- Replicating of pressure ulcer records from the previous day
- Ability to store and display photographs



The screenshot displays the CritIS Synergy software interface for a patient named TEST_PATIENT TEST, 55 years old. The interface is divided into several sections:

- Header:** Shows patient information including Bed: 0, SSN, Episode: 4808, Admission: 25-05-2021 14:11, ID: 295, L.O.S.: 1468, and Father's name: TEST. It also displays fluid balance (0.0) and vital signs (HR: 134, SpO2: 0.5, RR: 12.4, BP: 85/4, Wt: 124.0, Hgt: 158.0).
- Wounds Section:** Features a table with columns for Wound ID, Stage, Treatment, and Treatment Date. It lists three wounds: Wound 1 (Stage 2, PUSH 3.0), Wound 2 (Stage 1, PUSH 3.0), and Wound 3 (Stage 1, PUSH 3.0).
- Body Diagrams:** Shows two 3D human figures (front and back views) with colored markers indicating the locations of the wounds. A red square is on the lower back, and two red squares are on the lower legs.
- Details for selected pressure ulcer:** A form for recording wound details, including V.A.C. and Autologous checkboxes, Patch selection, and Cleaning (Dermacyn/N/S 0,9%).
- Image Gallery:** A section titled "Show all Images" displaying a list of image files, such as "C0345383-Bedsores_copy.original.max-600x600.jpg".

- 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

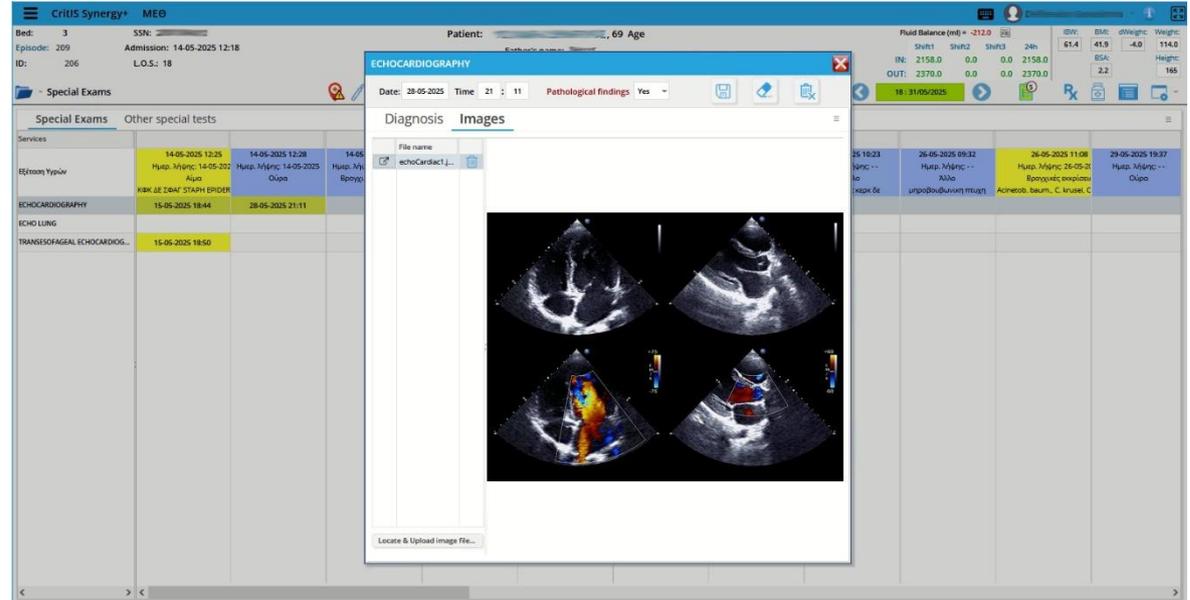


The screenshot displays the 'Catheters' management interface in CritIS Synergy+. The top header shows patient information: M.A.Φ. / M.E.Θ. 2, Patient: 59 Age, and various vital signs and fluid balance data. The main section is titled 'Catheters information' and features a table with columns for #, Insertion, Removal, Catheter Name, Catheters, Days, and Change/Removal reason. A left sidebar lists various catheter types such as Levin, Αρτηρ. Καθετήρας (ΑΚ), and others. The table lists 10 catheter entries with their respective insertion and removal dates, names, and reasons for change or removal.

#	Insertion	Removal	Catheter Name	Catheters	Days	Change/Removal reason
1	20-11-2025 13:12	30-11-2025 14:24	Αρτηρ. Καθετήρας (ΑΚ)	ΑΚ-ΚΕΡ-Α	10	Διαθεσιμότητα Καθετήρα
2	20-11-2025 13:12	20-11-2025 16:46	Κεντρ. Φλεβ. Καθετ. (ΚΦΚ) Τρίαιλος(III)	III-MHP-Δ	0	Μηγκάλιος Καθετήρας
3	20-11-2025 13:12		Ουροκαθετήρας	ΟΥΡ-16F	14	
4	20-11-2025 14:05	29-11-2025 09:30	Levin	LEV-ΠΙΠ-Μ/Υτ - Δ5-16F-100	8	Ατυχηματική αφαίρεση
5	20-11-2025 14:24	03-12-2025 12:00	Αρτηρ. Καθετήρας (ΑΚ)	ΑΚ-ΚΕΡ-Α	12	Αύξηση δείκτη φλεγμονής/αιμοδυναμ.
6	20-11-2025 16:45	03-12-2025 12:30	Κεντρ. Φλεβ. Καθετ. (ΚΦΚ) Τρίαιλος(III)	III-ΣΦΑ-Α	12	Αύξηση δείκτη φλεγμονής/αιμοδυναμ.
7	29-11-2025 10:30		Feeding tube	FT-Δ	5	
8	30-11-2025 14:24	30-11-2025 14:26	Αρτηρ. Καθετήρας (ΑΚ)	ΑΚ-ΚΡΑ-Δ	0	Άλλο
9	03-12-2025 06:35		Αρτηρ. Καθετήρας (ΑΚ)	ΑΚ-ΚΕΡ-Δ	1	
10	03-12-2025 06:35		Κεντρ. Φλεβ. Καθετ. (ΚΦΚ) Τρίαιλος(III)	III-ΣΦΑ-Δ	1	

Special Tests management

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



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

CritIS Synergy - M.E.G.
 Patient: Αοβενής-829 ΧΡΗΤΟΣ, 38 Age
 Father's name: Πατρίτς-829

Nursing observations
 Please save your input when done.
 Display comments since: 1: 21/10/2024

Physiotherapist's Remarks
 Display comments since: 1: 21/10/2024

*** ΗΥ (+) - ΗΥ (-) ***
 Νέα εισαγωγή στο ICU ΜΕΘ 2. Διαιτησιολογικός αοβενής ENUTRY No 8.5 - >22 cm στα θώρακα
 Έμφραξις 2ης Λωρίδας Απ. 3 Λωρίδα 10' 20' 47. Ουρολιθίαση No 16 - Λωρίδα No 16
 Επίπεδο διατροφής στα εγχειρησιακά έλκηθρα. Εμφραξις της καρδιάς. Βρογχίτιδα επιρροής (αίθρα, σφύρα).
 Τάβλες KCl 2 Λωρίδα ΔΕ 20Α7.
 Παράγοντες θρομβοκύττατα έως 36 κC
 Σε VC 100 ml με SpO2 90-91%. Αρτηριακή πίεση ρυθμική σταθερή. Τάβλες υδατοδιαλυτού ασπιρίνης
 Σε κατάσταση με Dexam 2 % Dexamium, για ανακούφιση Dexamium για παρακολούθηση Νιμβex - KAS - 5
 Ισοσταθμιστές με βενόλι 0TK
 Αρτηριακά επίπεδα οξυγόνωσης με Lasephex με Empressan
 Ισοσταθμιστές βολώνης
 Τάβλες από KCl 1000cc
 Διοφάνη κεντροβίαια
 Glu - > 0T

CritIS Synergy - M.E.G.
 Patient: Αοβενής-829 ΧΡΗΤΟΣ, 38 Age
 Father's name: Πατρίτς-829

Illness progress 29-10-2024
 Μειωτή κατάσταση, σταθερή αρτηριακή πίεση, Ανοσοβίαια με καθή συνολική ποσότητα, χωρίς να είναι απαισιόδοξα διαστήματα, κατά βρογχίτιδα, KAS + Ανοσοβίαια επιδόσεις και με βελτιωμένη κεντροβίαια (Glu 170). Διαφορική έκκριση έως 2ml και 1 κεντροβίαια 2 gr x2. Βασίλειο με προφύλαξη 500mg (Παύση) βρογχίτιδα κεντροβίαια.

Previous illness progress
 07-11-2024 07:00
 05-11-2024 07:00
 01-11-2024 07:00
 31-10-2024 07:00
 30-10-2024 07:00
 29-10-2024 07:00

1. REASON FOR ADMISSION:
 Πλευμονική πνευμονία
 Σηψαιμία καταστάλαξη

1.1 Admission by ICID10:
 A03.3 Σηψαιμία από πνευμονοκώκο (Streptococcus pneumoniae)
 J66.01 Οξεία αναπνευστική ανεπάρκεια, που δεν εδωκεν κατά: Τύπου II (σηψαιμία)

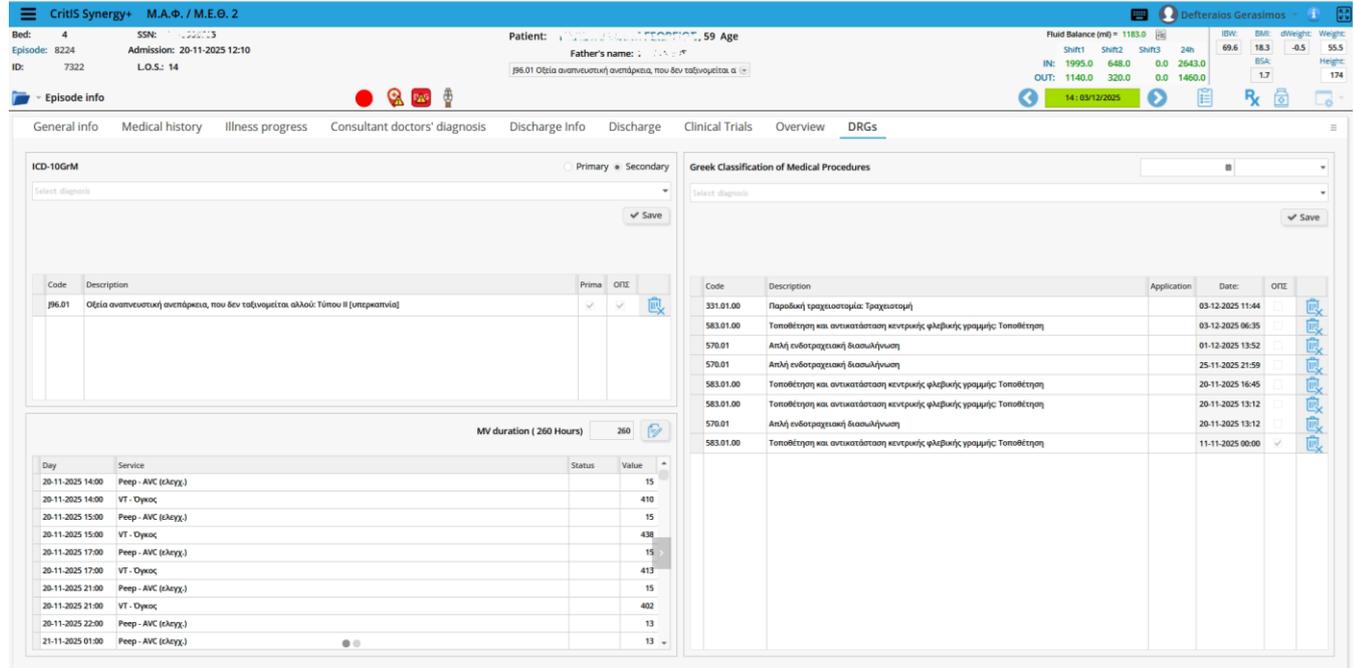
1.2 Admission by ICU codes:
 ΟΞΕΙΑ ΒΑΘΙΑ ΠΝΕΥΜΟΝΙΑ ΣΥΝΔΡΟΜΟ ΟΞΕΙΑΣ ΑΝΑΠΝΕΥΣΤΙΚΗΣ ΔΥΣΛΕΞΙΑΣ
 ΣΗΨΗ ΣΗΨΑΙΝΟΓΕΝΗΣ ΚΑΤΑΣΤΑΣΗ ΠΛΗΡΟΦΑΝΗΣ ΑΝΕΠΑΡΚΕΙΑΣ

2. MEDICAL HISTORY - PREVIOUS MEDICATION:
 HIV υπο σφύρα από 10 ετίας (παράδοξο/θετικά στα XXXX ως AAAA)
 ΗCV
 Πρώτη χρήση επιδημιολογικών νηματικών οκλών εν προγραμμα από έλξηση (XXXX)
 XAI (υπό σφενδαμύνη)
 Ανωμαλίες ιστορικό DVT κώνος θώρακα χωρίς σφύρα σφύρα

3. CURRENT DISEASE:
 Πρόκειται για ασθενή 37 ετών ο οποίος προσήλθε στο ΤΕΠ λόγω εμφράξις από άδελφο (μείνη αναπνευστική κατάσταση) και συννοσή
 διάσπαση από θάλαμο. Στο ΤΕΠ παρατήρησε αναπνευστική ανεπάρκεια (ARDS 59/40/7.37 σε ml 50%) και ταχυπνοια (68-70/min) και
 εφίδρωση/μειωμένη αντανακλαστική (HR 130/min), προσβλήθηκε σε CT θώρακος, η οποία αναδείχθηκε λόγω υπολειμματικού αερίου. Το αέθ
 εμφραξις είναι ελαφρώς υπολειμματική, σφύρα, Ανοσοβίαια εκκεντρωμένα πυκνωμένα - Βαθμής μέτριας βαρύτητας σε απόσταση
 των πνευμόνων (όλα στοιχεία θώρακα), στην αμφοτέρω, στην ΔΜΑ και στην ΑΚΑ. Παρατηρείται πάχυνση του διάφραγμα πνευμονοκώ
 διάσπαση θώρακα, όλα στοιχεία θώρακα στην ΔΜΑ και στην αμφοτέρω. Άλλες τριτογενείς αναπνευστικές οξείες αναπνευστικές στην
 ΔΜΑ και στην αμφοτέρω. Εμφραγματικός οξύλιθος κεντροβίαια και παρόμοια παρατηρούνται τόσο ελαφρώς θώρακα. Άλλες αναπνευστικές
 παρατηρούνται στη θώρακα και στους κώνους θώρακα. Εμφραξις κεντροβίαια παρατηρείται οξεία στην επιπέδη σφύρα, των
 μεγάλων σφύρα από το σφύρα τόσο έως - 1.2 εκ. αναπνευστική έως - 1.1 εκ. αναπνευστική έως - 1.3 εκ. και προφύλαξη έως -

4. DIFFERENTIAL DIAGNOSIS & ACTIONS:
 Πλευμονοκώκο πνευμονία Σηψαιμία καταστάλαξη
 Παράδοξος XAI

- 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



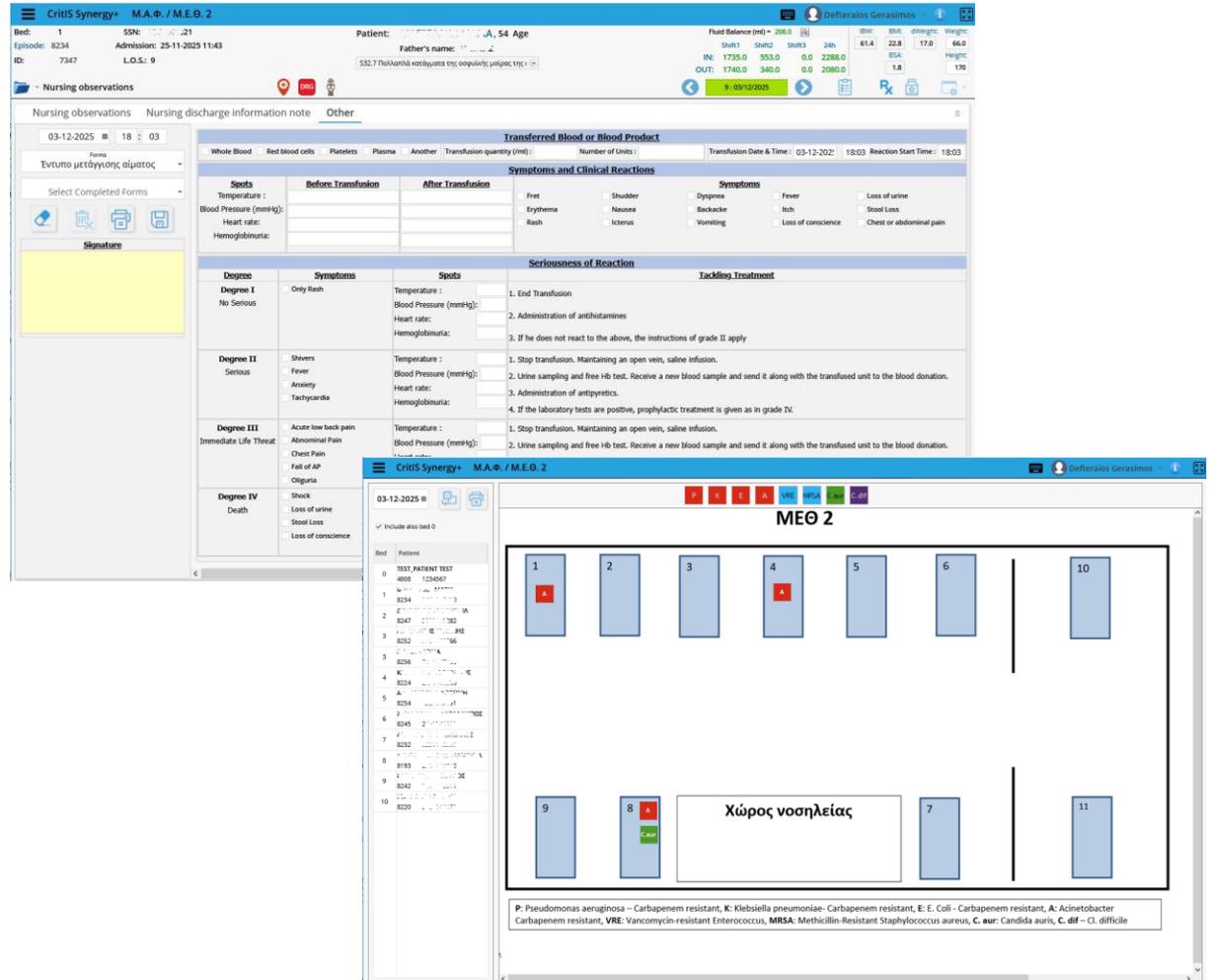
The screenshot displays the CritIS Synergy software interface for patient management. The top header shows patient details: Bed: 4, Episode: 8224, ID: 7322, SSN: 10220113, Admission: 20-11-2025 12:10, L.O.S.: 14, Patient: [Name], 59 Age, Fluid Balance (ml) = 1183.0, and various lab values. The main content area is divided into several sections:

- Episode info:** Shows patient name and father's name.
- General info:** Includes ICD-10GrM and Greek Classification of Medical Procedures.
- ICD-10GrM:** A table with columns for Code, Description, Prima, and OTE. One entry is visible: Code j96.01, Description Οξεία αναπνευστική ανεπάρκεια, που δεν ταξινομείται αλλιώς [πνευμονία], with both Prima and OTE checked.
- MV duration (260 Hours):** A table showing the duration of mechanical ventilation over time.
- Greek Classification of Medical Procedures:** A table with columns for Code, Description, Application, Date, and OTE. Multiple entries are listed, including codes 331.01.00, 583.01.00, 570.01, and 570.01, with descriptions related to tracheostomy and mechanical ventilation.

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. The top section shows patient information: Bed: 1, SSN: 21, Episode: 8234, Admission: 25-11-2025 11:43, ID: 7347, L.O.S.: 9. Patient name: Α, 54 Age. Fluid Balance (ml) = 206.0. Shifts: Shift1: 1735.0, Shift2: 553.0, Shift3: 24h. IN: 1740.0, OUT: 340.0. Weight: 61.4, Height: 170.0. The main form is titled 'Transferred Blood or Blood Product' and includes fields for 'Transfusion quantity (ml)', 'Number of Units', and 'Transfusion Date & Time'. It features a table for 'Symptoms and Clinical Reactions' with columns for 'Before Transfusion' and 'After Transfusion', and a 'Seriousness of Reaction' section with 'Tackling Treatment' instructions. The bottom part of the screenshot shows a ward map titled 'ΜΕΘ 2' with 11 numbered beds. Beds 1, 4, and 8 are marked with red 'A' icons, and bed 8 also has a green 'C-dif' icon. A central box on the map is labeled 'Χώρος νοσηλείας'. A legend at the bottom identifies the icons: 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)

The image displays three overlapping screenshots of the CritIS Synergy+ software interface:

- Top Screenshot (M.E.O. view):** Shows a staff scheduling grid for 'DOCTORS & NURSES PER PATIENT'. It lists patient IDs (e.g., 6, 23, 11) and their characteristics (Age, Weight, Height, Heart Rate). The grid is organized by shift (1st, 2nd, 3rd) and assigns 'Attendant Doctor' and 'Responsible Nurse' for each shift.
- Middle Screenshot (M.A.Φ. / M.E.O. 2 view):** Displays a comprehensive patient monitoring dashboard for multiple patients. It includes a table with columns for Patient, Information (Age, Weight, Height), L.O.S., Diagnosis, and various vital signs (Temp, SpO2, HR, RR, SpO2, VENT MODE, GLUCOSE). Each patient's data is accompanied by real-time waveforms for temperature, SpO2, HR, and RR, and a fluid balance summary.
- Bottom Screenshot (GLYCEMIC CONTROL view):** Focuses on glucose management. It features a 'Glycemic Control' section with a graph showing glucose levels over time (from 06:00 to 18:00) and a table of 'TEST PATIENT TEST' results.

CritIS ICU

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

The screenshot displays the CritIS Synergy+ M.E.O. application configuration interface. The top navigation bar includes 'Application management', 'Protocols', 'Clinical Trials', 'Episodes', and 'Tools'. The main content area is divided into two sections: 'Access Rights Management' and 'Service Management'.

Access Rights Management Table:

JSP Page	JSP Page	Description	Administrator	Doctor	Nurse	Physiotherap	Consultant	Head Nurse	Super user	Guest user	Secretariat	Laboratory
7	/accessRights.jsp	Used to define access rights on application pages based on user group roles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
80	/admission.jsp	Admission popup to create episodes from HIS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	/bException.jsp	Valid Beds	<input type="checkbox"/>	<input type="checkbox"/>								
65	/bloodGasesPopup.jsp	Arterial blood gases graph popup page	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
97	/CaloriesAndProteinsGra	Calories and Proteins graph	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
31	/cathetersLines.jsp	Catheters flow sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
82	/clinicalTrials.jsp	Show and select clinical trials in general episode info	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
83	/clinicalTrialsManager	Manage Clinical Trials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
12	/configDrugs.jsp	Used to manage drugs and their dosages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
68	/configEmergencyDrugs	Used to define emergency drugs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
47	/configNutrition.jsp	Used to manage nutrition and their dosages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	/configuration.jsp	Access to Configuration menu-page	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
86	/copyAllMedInstr.jsp	Copies All or selective medical instructions from previous day	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94	/cultureLit.jsp	Used by Lab users to enter data for cultures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
66	/dashboard.jsp	Dashboard test page	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
78	/dataReports.jsp	Statistics report #1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	/documents.jsp	Page holding patient's external documents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
29	/drainagesManagement	Managers params related to drainages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
88	/drgInfo.jsp	DRGs information page	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
52	/drugsEr.jsp	Popup with emergency drugs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
81	/editText.jsp	Popup Wnd to edit text in Nurse Comments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
67	/encryptPatient.jsp	Used to encrypt database patient data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	/exams.jsp	Laboratory exams and their results page	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
95	/eyesGraph		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
75	/flowSheetsA		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
69	/flowSheetsB		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
76	/flowSheetsC		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
70	/flowSheetsH		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
60	/flowSheetsM		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
71	/flowSheetsN		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
72	/flowSheetsR		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							

Service Management Section:

Service Type: 1 / Ζυττιοί Αρμοδίωντων | Service Group: 2 / Αρμοδίωντων | Number of services: 25

ID	Service	Description	Code	Service Category	Active	Default	Combined Sub
10	ELWELWI	Extravascular Lung Water/ELW Index		Ζυττιοί-Αρμοδίωντων	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	InTBIWITBI	In Total Body Water/Intrathoracic Blood Volume Index		Ζυττιοί-Αρμοδίωντων	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2015	SWAN-GANZ MONITORING	SWAN-GANZ MONITORING		Ζυττιοί-Αρμοδίωντων	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2016	PICCO MONITORING	PICCO MONITORING		Ζυττιοί-Αρμοδίωντων	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2017	NICO MONITORING	NICO MONITORING		Ζυττιοί-Αρμοδίωντων	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	CVP	Κεντρική Φλεβική Πίεση		Ζυττιοί-Αρμοδίωντων	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	IAP	Ενδοκοιλιακή Πίεση (intra-abdominal pressure)		Ζυττιοί-Αρμοδίωντων	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	ICP & CPP	Ενδοκρανιακή Πίεση & Cerebral perfusion pressure		Ζυττιοί-Αρμοδίωντων	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100000	HemoSphere	HemoSphere		Ζυττιοί-Αρμοδίωντων	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10052941	Blood Temp.	Θερμοκρασία αίματος	52941	Ζυττιοί-Αρμοδίωντων	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sub-services for SWAN-GANZ MONITORING:

ID	Subservice	Code	Type	Units	Codifications	Display order
1351	CVP (Central venous pressure)	CVP (Centr...	Number	mmHg		1
1352	RVSP (Right ventricular Systolic pressure)	RVSP (Righ...	Number	mmHg		2
1353	RVDP (Right ventricular diastolic pressure)	RVDP (Rig...	Number	mmHg		3
1354	PASP (Pulmonary Artery Systolic Pressure)	PASP (Pul...	Number	mmHg		4
1355	PADP (Pulmonary Artery Diastolic Pressure)	PADP (Pul...	Number	mmHg		5
1356	MPAP (Mean Pulmonary Artery Pressure)	MPAP (Me...	Number	mmHg		6
1357	PAOP (Pulmonary artery occlusion pressure)	PAOP (Pul...	Number	mmHg		7
1358	CO (Cardiac Output)	CO (Cardia...	Number	L/min		8
1359	CI (Cardiac Index)	CI (Cardiac...	Number	L/min/m2		9
1422	SV (Stroke Volume)	SV (Stroke ...	Number	mL		10

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

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

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

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)

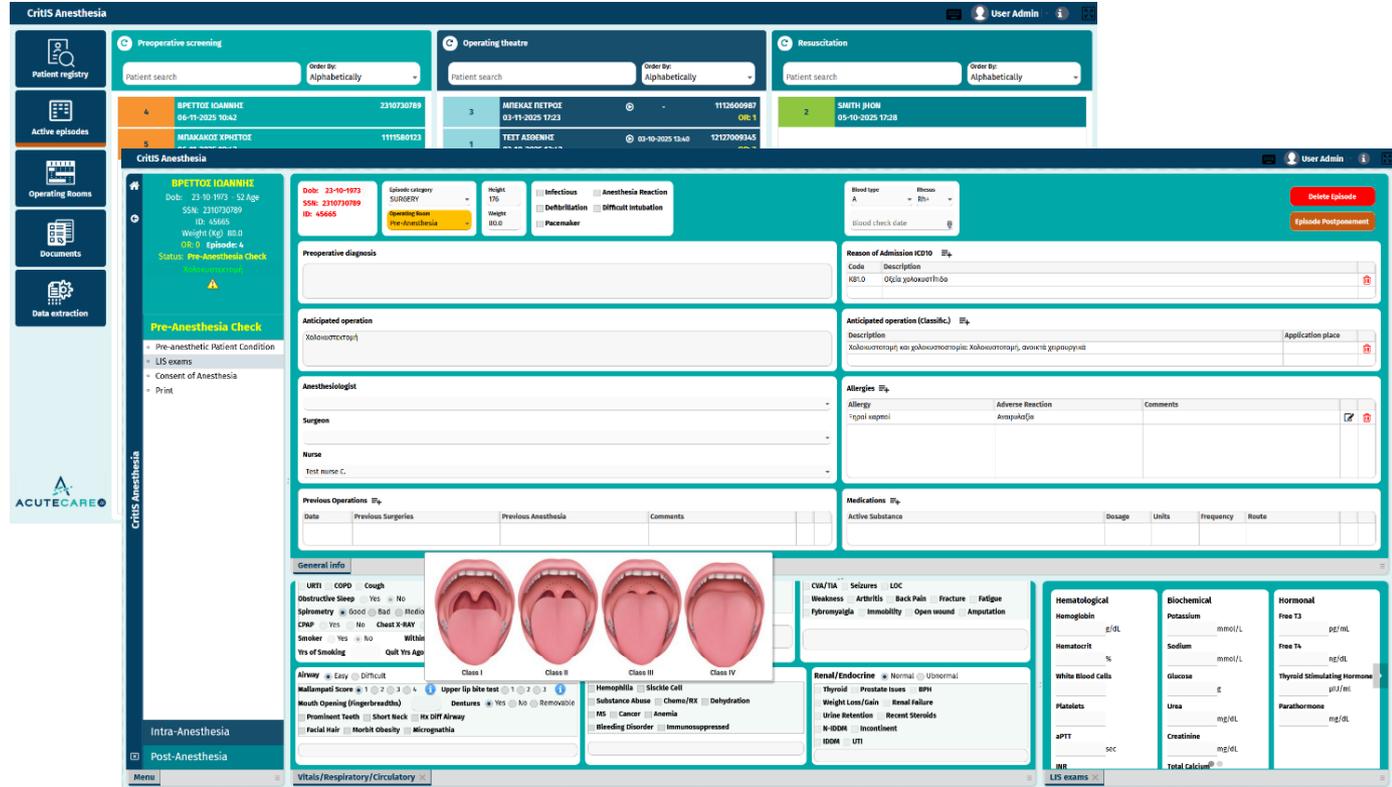
- Automatic data retrieval from monitoring and ventilation devices
- Documentation of catheters/lines, medications, administered/removed fluids



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



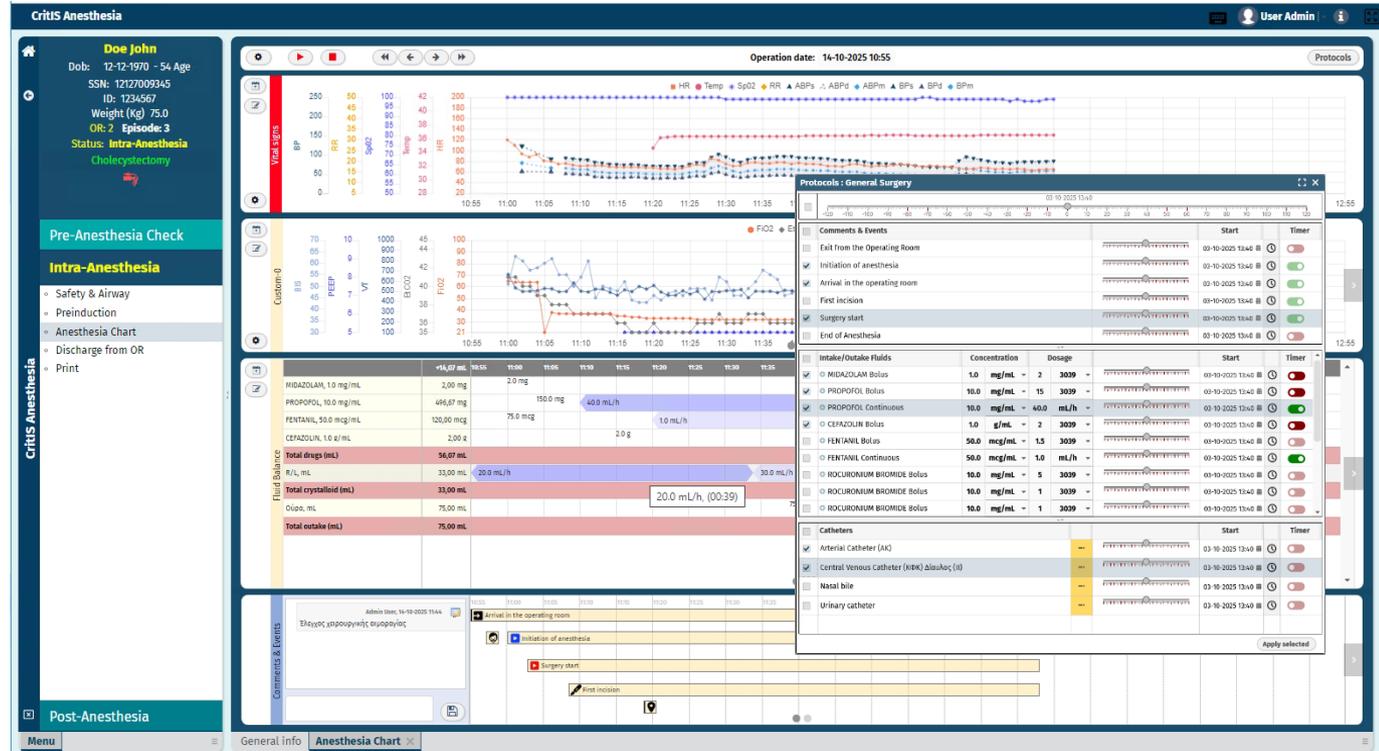
The screenshot displays the CritIS Anesthesia software interface, which is organized into several key sections:

- Navigation Panel (Left):** Includes icons for Patient registry, Active episodes, Operating rooms, Documents, and Data extraction.
- Top Bar:** Shows the system name 'CritIS Anesthesia' and user information 'User Admin'.
- Preoperative screening (Top):** A table with three columns: Preoperative screening, Operating theatre, and Resuscitation. Each column lists patient details such as name, ID, and date.
- Main Patient Profile (Center):** Focuses on patient BPETTOX IGANNHΞ. It includes:
 - Personal Info:** DOB (23-10-1973), SSN (231070789), Weight (80.0 Kg), and Episode (4).
 - Pre-Anesthesia Check:** A checklist for Pre-anesthetic Patient Condition, LIS exams, Consent of Anesthesia, and Print.
 - Clinical Assessment:** A comprehensive form with sections for:
 - General info:** URTI, COPD, Cough, Obstructive Sleep, Splenomegaly, CRP, Smoker, and Yes of Smoking.
 - Upper lip bite test:** Visual aids showing Classes I, II, III, and IV.
 - Other Assessments:** Hemophilia, Sickle Cell, Substance Abuse, Allergies, Renal/Endocrine, Thyroid, Weight Loss/Gain, Urine Retention, Bleeding Disorder, and Immunosuppressed.
 - Physical Exam:** CHA/TIA, Seizures, LOC, Weakness, Arthritis, Back Pain, Fracture, Fatigue, Fibromyalgia, Immobility, Open wound, and Amputation.
 - Laboratory Tests:** Hematological (Hemoglobin, Hematocrit, White Blood Cells, Platelets, aPTT), Biochemical (Potassium, Sodium, Glucose, Urea, Creatinine, Total Calcium), and Hormonal (Free T3, Free T4, Thyroid Stimulating Hormone, Parathormone).

CritIS Anesthesia

Surgery

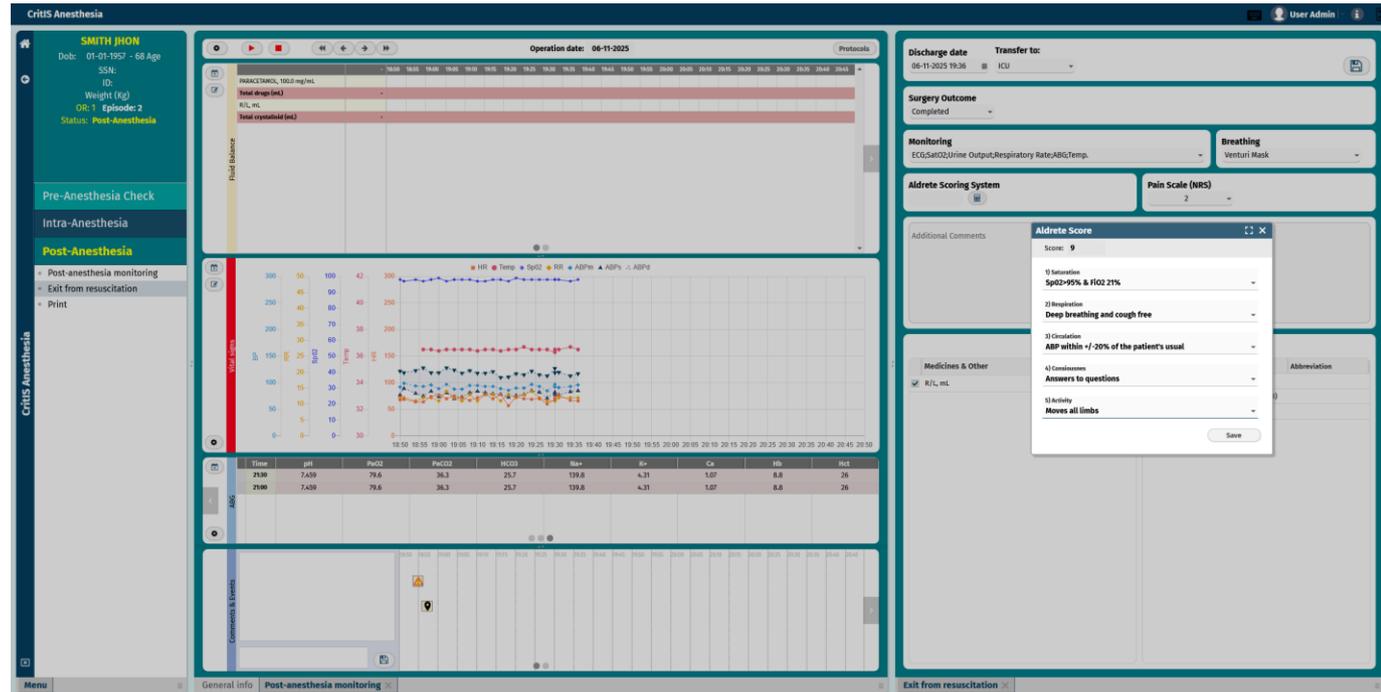
- Safety checks checklist
- Monitoring equipment recording
- Airway and intubation information
- Type of anesthesia
- Time tracking of medical and nursing staff presence
- Automatic recording of vital signs, inhaled/exhaled gases, mechanical ventilation, and blood gases
- Anesthesiology protocols, event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



CritIS Anesthesia

Postoperative Recovery (PACU)

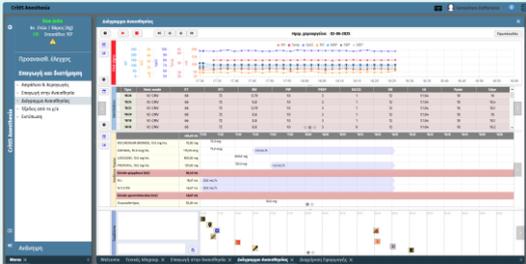
- Charts of vital signs, respiratory data, medication therapy, etc.
- Automatic fluid balance calculation
- Management of lines and catheters
- Automatic or manual documentation
- Customizable measurements and charts
- Management of medications, catheters, and drains for patient transfer



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

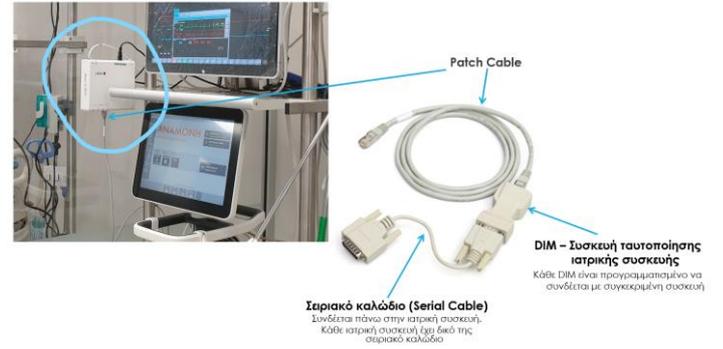
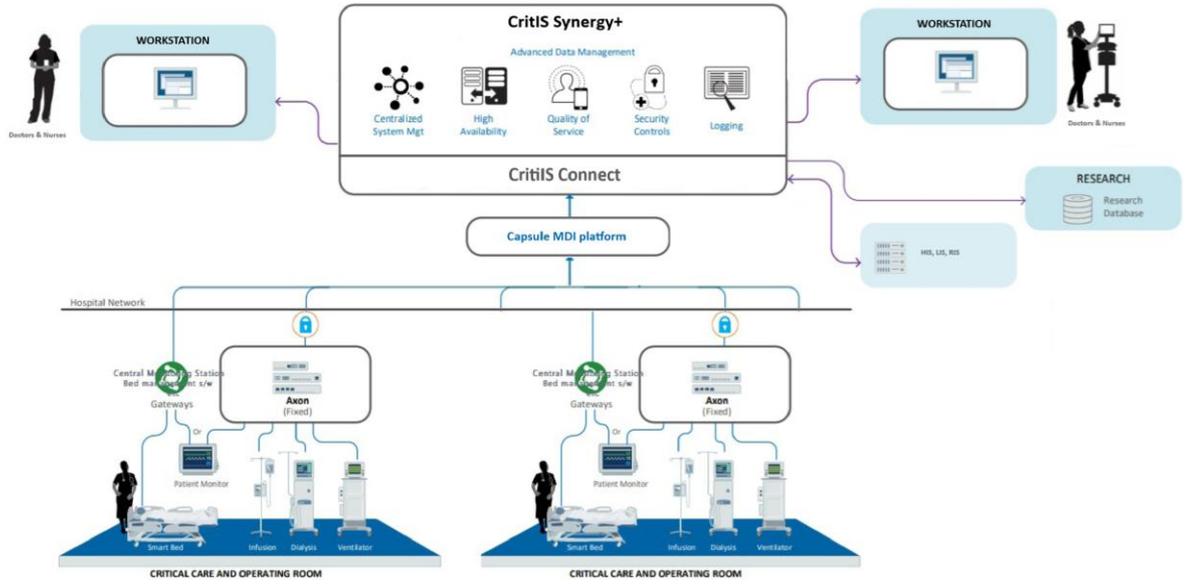
- Based on Mirth Connect, a leading open-source integration platform for healthcare systems
- Multiple communication channels for seamless integration with HIS, LIS, RIS, PACS, as well as with medical equipment
- Wide protocol support, compatible with HL7 (2.x – 3.0), NCPDP, X12, DICOM, ASTM, and XML
- 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. ΗΔΙΚΑ, 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.

SEARCH & PATIENT INFO

Search Clear New Patient

Last name: Ααθε* First name:

Father's name: SSN:

Dob: Episode:

CSPlus Patient code: ICU Episode ID:

HIS Patient ID Me...: HIS Episode ID M...:

Last name	First name	Father's name	Mother's name	Dob	CSPlus Patien	HIS Patient ID Mec
Ααθενς-826	ΠΑΥΛΟΣ	Πατήρ-826		03-10-1956	826	11118849
Ααθενς-827	ΑΡΤΕΜΗ	Πατήρ-827		26-04-1953	827	11597854
Ααθενς-828	ΜΑΡΙΑ	Πατήρ-828		17-09-1957	828	11181495
Ααθενς-829	ΧΡΗΣΤΟΣ	Πατήρ-829		29-04-1987	829	11418738
Ααθενς-830	ΠΕΤΡΟΣ	Πατήρ-830		22-06-1954	830	11599468
Ααθενς-831	ΧΡΥΣΟΥΛΑ	Πατήρ-831		20-12-1934	831	11599735
Ααθενς-832	ΚΥΡΙΑΚΗ	Πατήρ-832		03-03-1944	832	10088894
Ααθενς-838	ΣΟΦΙΑ	Πατήρ-838		14-05-1965	838	11101631
Ααθενς-839	ΘΩΜΑΣ	Πατήρ-839		29-08-1938	839	11528969
Ααθενς-841	ANNA	Πατήρ-841		21-01-1958	841	11608551



HL7 | NCPDP | X12
DICOM | ASTM | XML

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





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