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Our company specializes in developing CRM (Customer Relationship Management) and ERP (Enterprise Resource Planning) solutions specifically tailored to the healthcare sector. These tools allow clinics and hospitals to efficiently manage their daily operations by optimizing appointment control, resource management, and the monitoring of internal processes. With our solutions, healthcare institutions can better coordinate interactions with patients, providing more personalized and effective care.

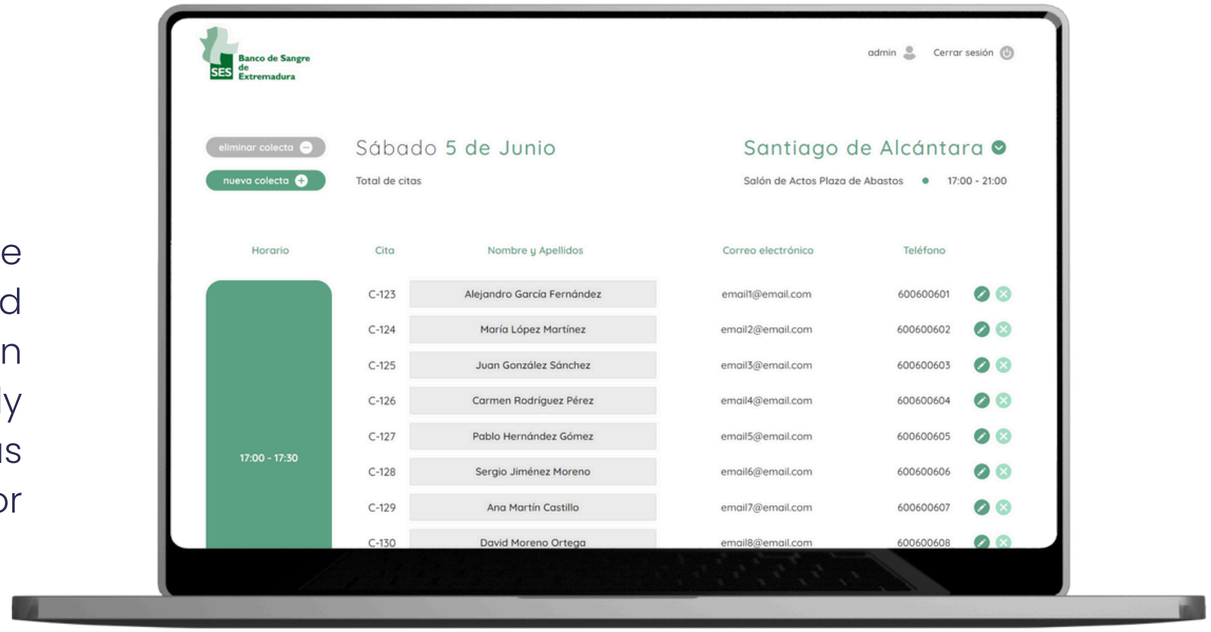
Our CRM platforms enable healthcare centers to keep detailed records of appointments, medical histories, and patient communications, facilitating continuous care and reducing waiting times. Additionally, we integrate automated notification and reminder systems that improve treatment adherence and patient satisfaction.

Regarding ERP systems, we focus on the comprehensive management of resources in hospital environments. These solutions help optimize workflows, improve operational efficiency, and reduce the costs associated with running the center. Our technology is designed to meet the highest standards of security and confidentiality in handling medical data.

01 PROCESS MANAGEMENT

PUBLIC APPOINTMENT MANAGEMENT

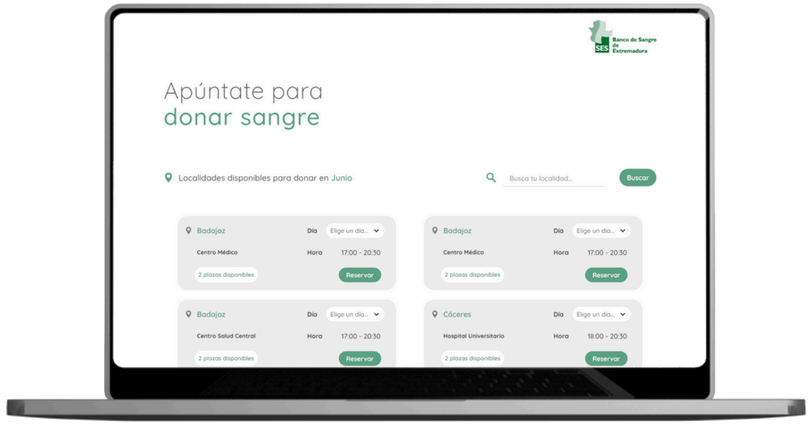
Public appointment management system currently used by the Extremadura Health Service (SES), aimed at organizing planned collections for blood and plasma donations. With this system, an administrator can organize time slots for patients to independently book appointments. However, it can be adapted to other areas where healthcare resources need to be allocated to time slots for patient care.



PUBLIC APPOINTMENT MANAGEMENT

FEATURES FOR HEALTHCARE PROFESSIONALS:

- Creation of locations for itinerant collections.
- Allocation of time slots by location.
- Assignment of nurses by time slot.
- Ability to delete or move patient appointments.

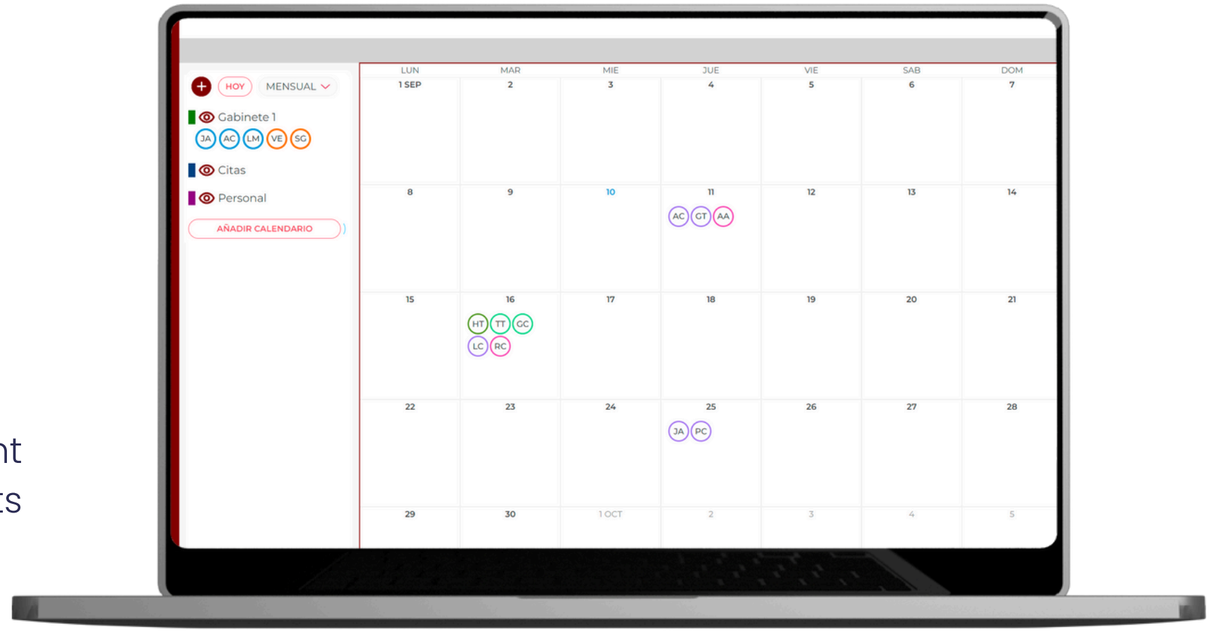


FEATURES FOR PATIENTS:

- Search for open collection locations near my position.
- Selection of available appointments in different time slots proposed by the administrator.
- Submission of personal and contact details for final appointment allocation.
- Notifications and reminders via email, SMS, and WhatsApp.

INTERNAL APPOINTMENT MANAGEMENT

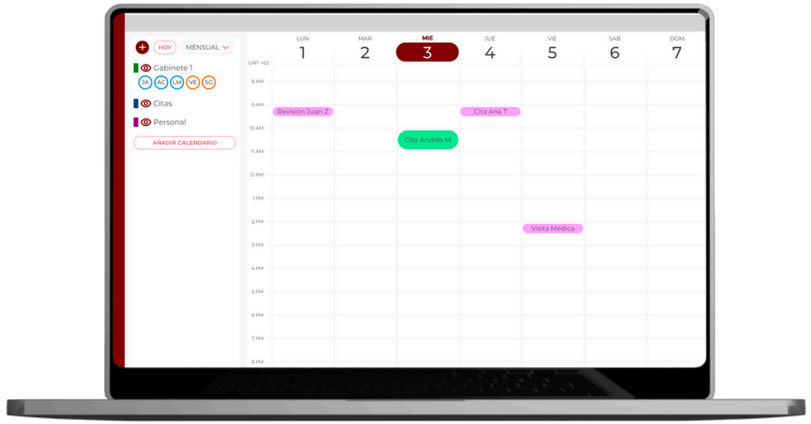
An internal-focused healthcare appointment management application where healthcare professionals schedule appointments according to their availability.

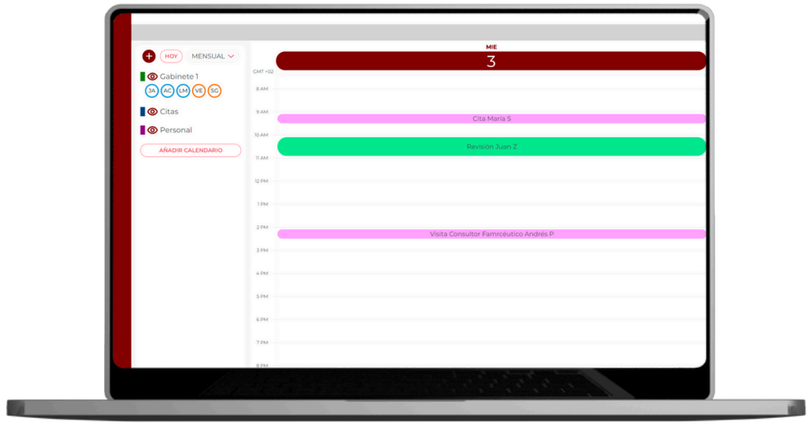


INTERNAL APPOINTMENT MANAGEMENT

FEATURES:

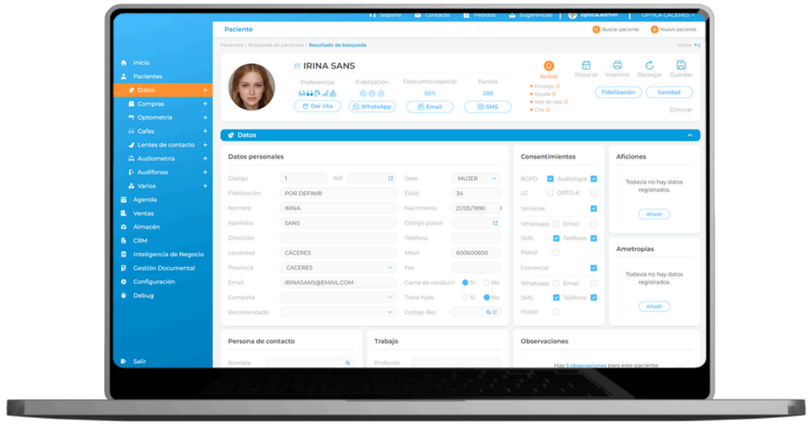
- Personal calendar for each healthcare professional registered in the system.
- Creation of different calendars: personal, by professional, by department, etc.
- Direct appointment scheduling in available slots in a specific calendar.
- Notifications and reminders to patients via email, SMS, and WhatsApp.
- Shared calendars with other registered professionals.
- Read/write modes by calendar.
- Assignment of tasks and events.





HEALTHCARE FACILITY MANAGEMENT

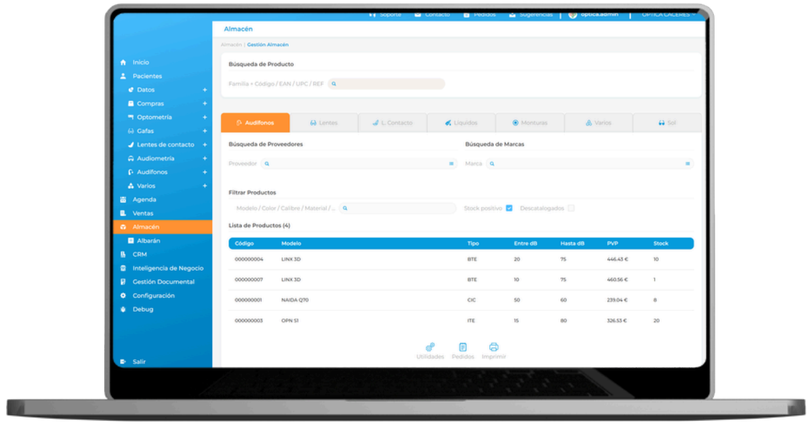
A platform for the comprehensive management of a clinic or healthcare facility, whether public or private, overseeing all resources involved, including professionals, patients, and stock control.

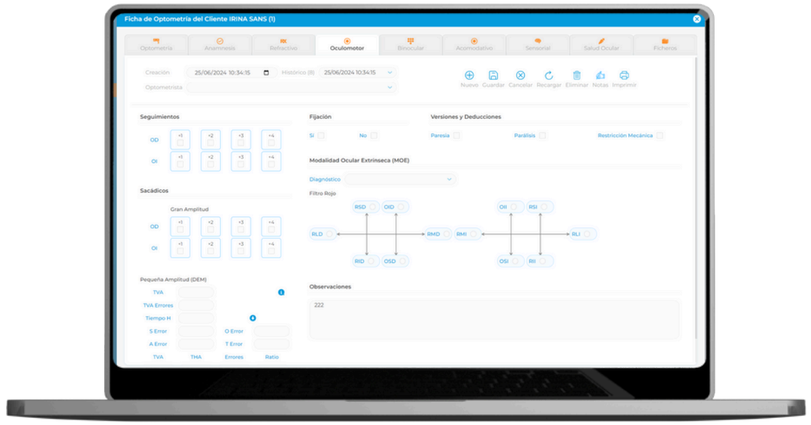


HEALTHCARE FACILITY MANAGEMENT

FEATURES:

- Registration of companies, centers, and franchise management.
- Permission control by roles and by user.
- Patient management: personal data, medical histories, consent control, reports, etc.
- Document management (images and files) on a global level or by patient.
- Execution and control of personalized procedures: optometry, audiometry, pressotherapy... adaptable to each healthcare specialty.
- Personalized schedules by employee. Creation and management of calendars. Shared calendars (read and write). Assignment of appointments, tasks, and events. Notification to patients via email, SMS, or WhatsApp.
- Inventory and stock control. Transfer of stock between registered centers and franchises.
- Point-of-sale terminals (POS).
- Control panel, statistics, general overview, and business intelligence.





At our company, we understand that the patient is the central focus of the entire healthcare ecosystem. That's why we develop technological solutions that enhance the patient's experience at every stage of their medical care. Our platforms allow users to manage their appointments, access their medical history, receive personalized reminders, and communicate directly with their doctors, all through an easy-to-use mobile app or web portal.

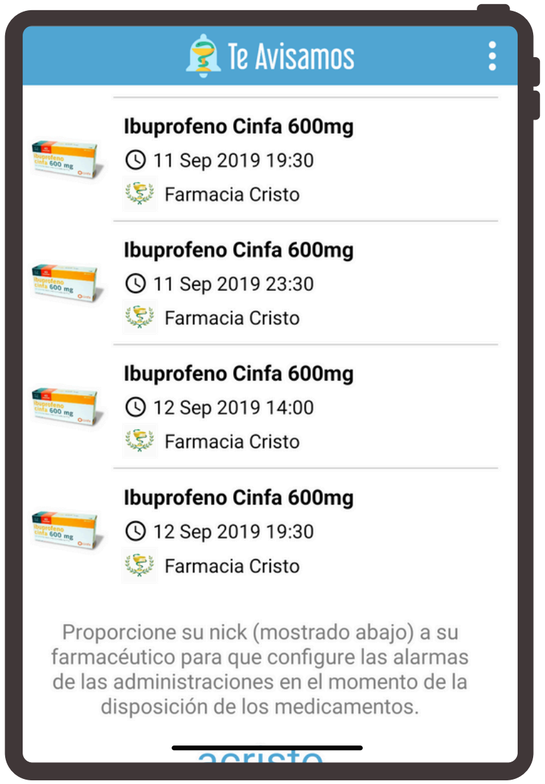
These solutions not only improve accessibility but also promote greater patient engagement in their own care, fostering a proactive approach. By providing access to relevant information and tracking tools, we help patients better manage chronic conditions, adhere to treatments, and stay informed about their health status at all times.

Our technology is designed to offer an intuitive, secure, and privacy-centered experience, complying with the most stringent data protection regulations. In this way, we ensure that medical information is handled securely while empowering patients with the tools they need to make more informed decisions about their health.

02 FOR THE PATIENT

MEDICATION ADMINISTRATION CONTROL

A mobile application that enables the assignment of medications and the administration of supply for notification and reminder of each dose. The primary goal is to create a link with the pharmacy, enhancing the pharmacist-patient relationship.



MEDICATION ADMINISTRATION CONTROL

FEATURES FOR THE PHARMACIST:

- Assignment of medications and mode of administration to a patient. Includes uploading a photo of the medication box to help patients identify their medications.
- Analysis platform to check which medications have been administered and which have not.
- Statistical system for analyzing dispensed medications, percentage of administration, in total or by patient, etc.

FEATURES FOR THE PATIENT:

- Creation of anonymous accounts.
- Possibility to assign doses of medication by themselves or through others (pharmacist or family member).
- Alarm for medication administration. Notification of administration to family members or pharmacy (for informational and/or statistical purposes). Display of the box for better medication identification.

FOR THE PATIENT > MEDICATION ADMINISTRATION CONTROL

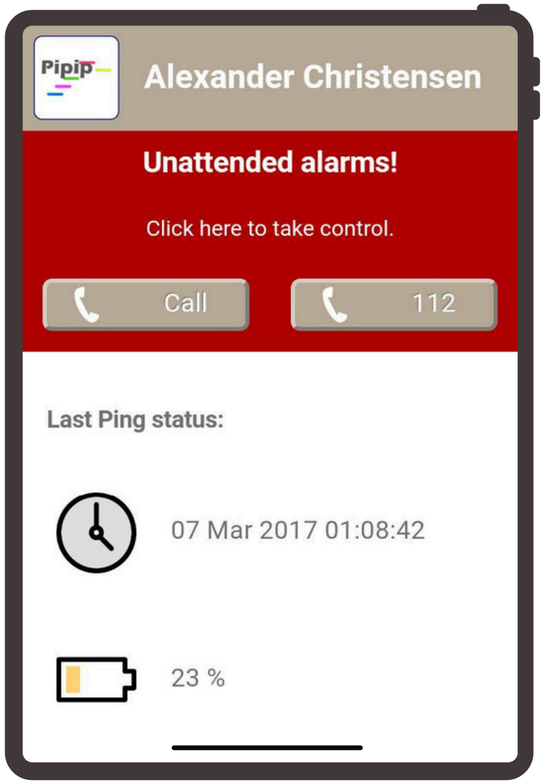
ELDERLY MONITORING AND SUPERVISION

An application for monitoring the elderly or highly dependent individuals by family members and caregivers. It consists of a customizable and configurable alarm system aimed at ensuring the well-being of the patient.

ELDERLY MONITORING AND SUPERVISION

FEATURES:

- Patient registration through a configurable code.
- Registration of third parties (family members and healthcare professionals) to monitor the patient in read-only mode.
- Customizable configuration of alerts and alarms.
- Full-screen alarm with vivid colors, vibration, and loud music to be easily detected by the patient. The patient must touch the alarm to notify that they are okay.
- Notification of alarm acknowledgment or non-response if the alarm rings three times unsuccessfully. The notification is sent to the administrator and registered third parties.
- Widget on the screen for emergency calls to the main contact (family member or healthcare professional).
- Constant analysis of the gyroscope for fall detection and notification to third parties.



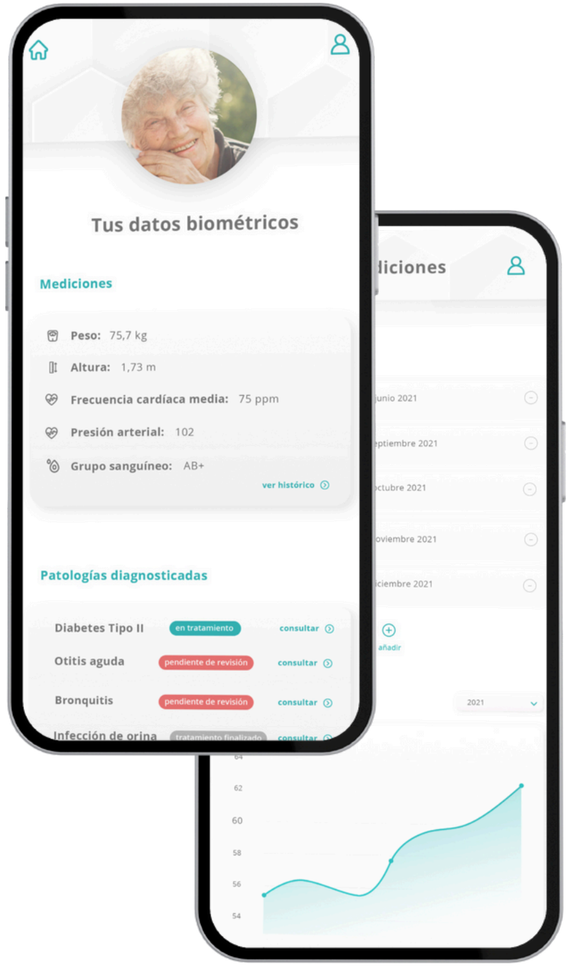
SELF-MONITORING HEALTHCARE

A system for mobile devices that allows patients to store clinical results to conduct self-evaluation and monitor various clinical parameters.

SELF-MONITORING HEALTHCARE

FEATURES:

- Anonymous user creation.
- Storage of metrics from clinical reports (blood tests, urine analysis, etc.).
- Temporal tracking and graphical visualization of recurring metrics. Representation of upper and lower limit values, if applicable.
- Storage of pathologies and treatments, with progress tracking for each.
- Temporary public visualization and invitation to the general practitioner for analysis.
- Notification system based on AI, supervised by pharmaceutical experts, to display precautions and best practices by cross-referencing different metrics.
- Widget on the main screen for quick viewing by emergency teams.



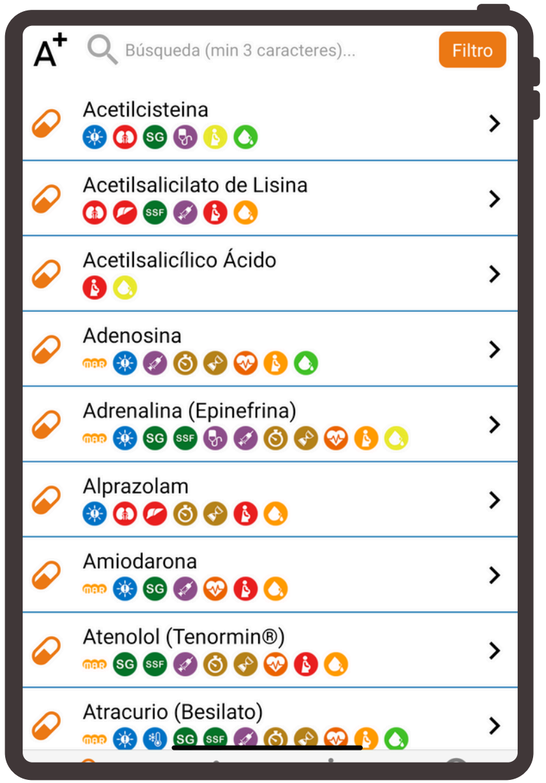
Aware of the workload and demands faced by healthcare professionals, our company develops technological solutions that simplify and optimize their daily tasks. Our tools are designed to streamline patient management, resource organization, and access to critical information in real-time, facilitating clinical decision-making and improving efficiency in healthcare environments.

We offer platforms that integrate electronic medical records (EMR), enabling doctors to instantly access complete patient information, which facilitates more accurate diagnoses and reduces the time needed for consultations, allowing professionals to focus on what really matters: patient care. Additionally, our solutions automate routine tasks such as appointment scheduling and treatment follow-ups, freeing up valuable time for healthcare personnel.

We also develop collaborative tools that improve communication between different healthcare professionals, whether within the same center or between institutions, ensuring efficient continuity of care. All of our solutions are designed to meet the highest standards of security and confidentiality, ensuring appropriate handling of sensitive data in any clinical environment.

03 FOR THE HEALTHCARE PROFESSIONAL

HIGH-RISK MEDICATIONS (HRM)

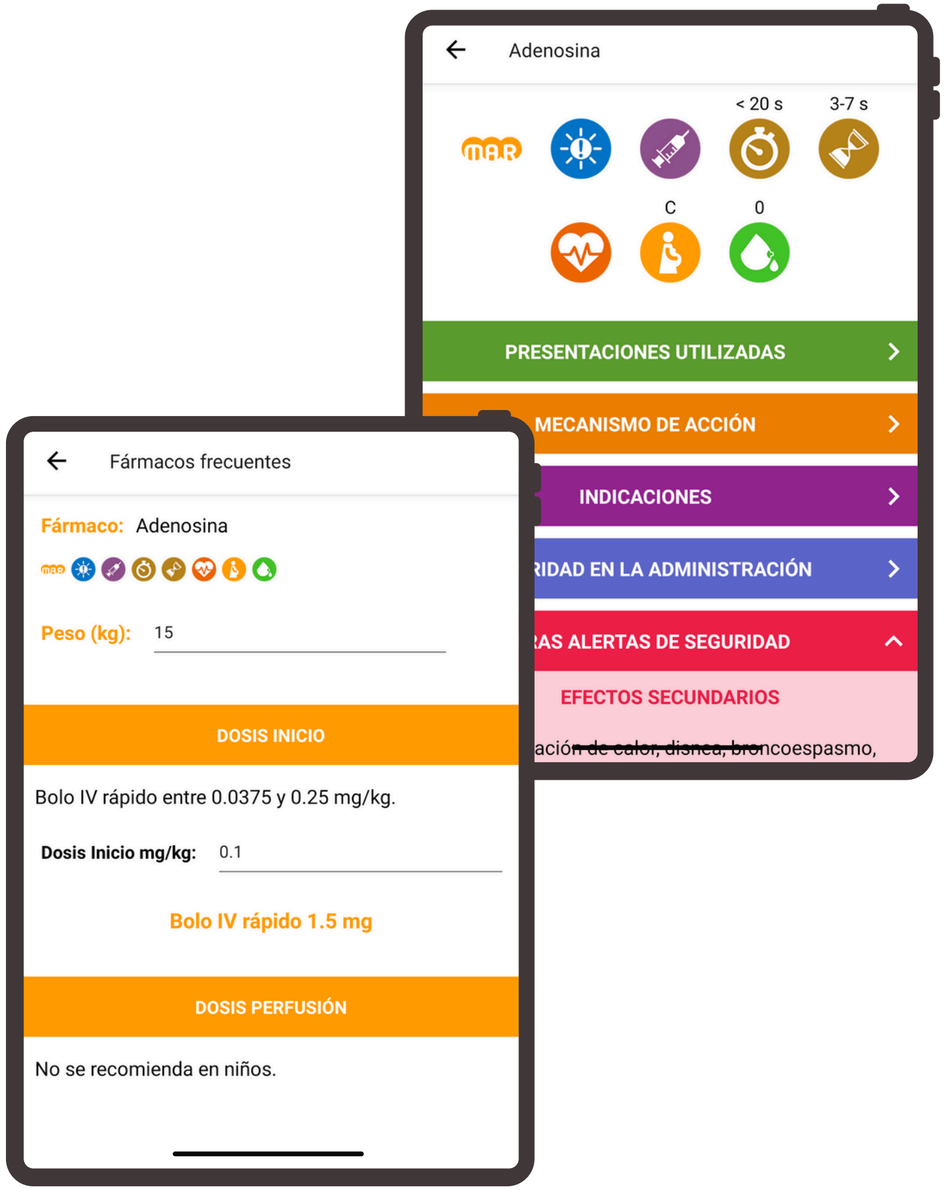


An informative application focused on Primary Care (PC), serving as an interactive encyclopedia of High-Risk Medications (HRM) approved by the Spanish healthcare system.

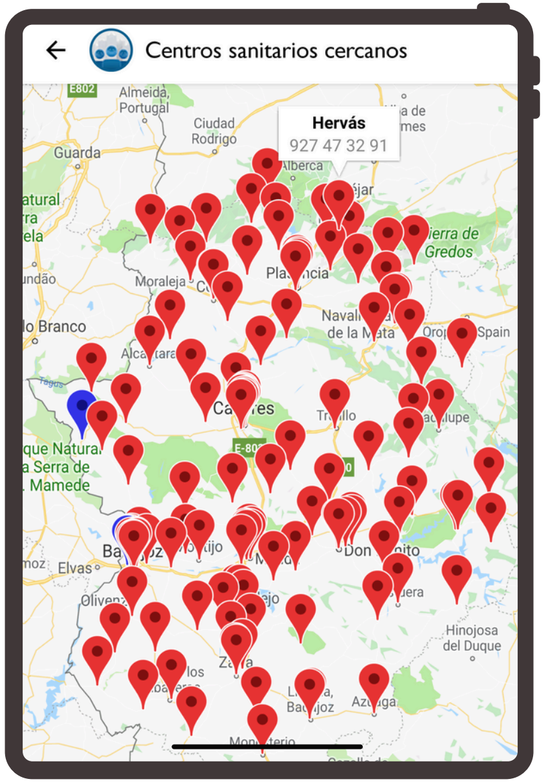
HIGH-RISK MEDICATIONS (HRM)

FEATURES:

- Complete information on over 200 medications.
- Advanced filters for correct dispensing according to patient characteristics and pathologies.
- Special sections for pediatrics, geriatrics, and pregnant women.
- Standardized application using descriptive icons.
- Dose calculators for the most common medications.



STROKE PATIENT CARE

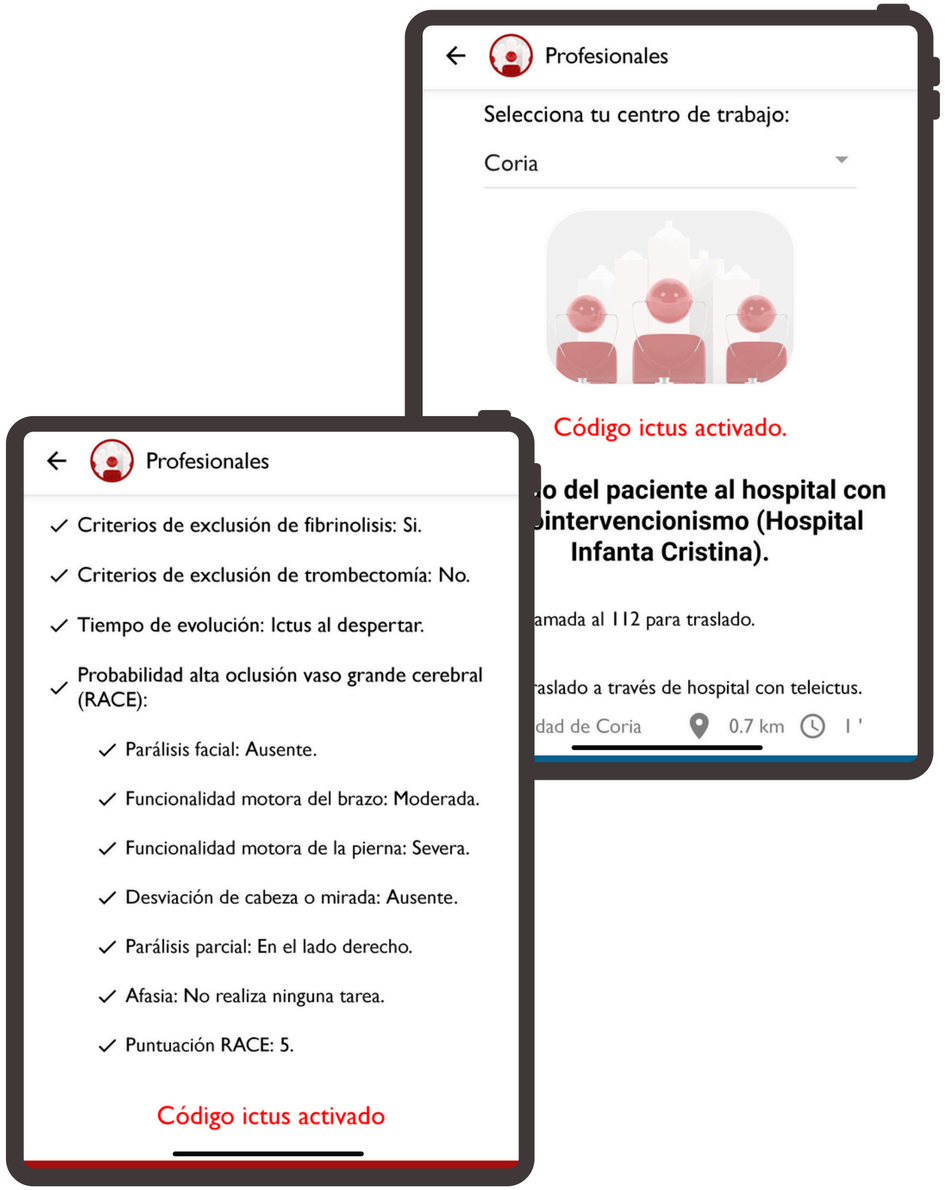


An application aimed at Primary Care (PC) professionals to assist in decision-making when treating a stroke patient, considering various concepts and techniques from the field of neurology.

STROKE PATIENT CARE

FEATURES:

- Identification of the patient's condition severity through a decision-tree-based questionnaire.
- Use of internationally validated procedures, such as the RACE scale.
- Consideration of all healthcare centers, hospitals, telestroke units, and neurosurgery centers under the Extremadura Health Service (SES) for stroke mobilization in case of severe cases in the shortest time possible.
- Direct call to 112 and ambulance request.
- Simplified mode for patient use. Action plan in case of stroke.



Continuous training of healthcare professionals is essential for ensuring quality care, and at our company, we harness the most advanced technologies, such as 3D simulation and virtual reality (VR), to revolutionize how healthcare professionals are trained. These solutions allow for the recreation of clinical environments and complex medical scenarios in a controlled setting, where professionals can practice and enhance their skills without risk to patients.

With 3D simulations and immersive virtual reality environments, doctors, nurses, and other healthcare professionals can experience surgical procedures, diagnostics, and treatments in real-time. This allows them to become familiar with advanced techniques and medical protocols in a realistic environment, increasing their confidence and ability to face clinical challenges in real life. Additionally, our platforms allow for the repetition of scenarios, improving knowledge retention and fostering clinical excellence.

These technological tools also facilitate collaborative training, where multiple professionals can interact within the same virtual environment, sharing experiences and knowledge regardless of their physical location. With these solutions, we not only improve technical training but also enhance critical skills such as decision-making under pressure and coordination among multidisciplinary teams.

04 3D SIMULATION AND TRAINING

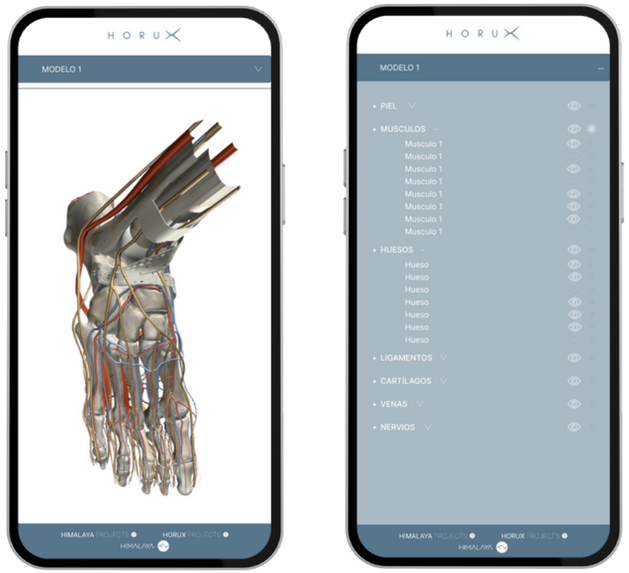
ANATOMICAL MODEL EXPLORATION

A platform for the visualization of 3D models based on human anatomy. Compatible with mobile devices and web browsers, it presents an anatomically accurate schematic model that users can interact with, viewing each of its components in detail. It can also be adapted to include instruments, machines, and other types of models.

ANATOMICAL MODEL EXPLORATION

FEATURES:

- Detailed and 360° visualization of an anatomically precise 3D model.
- Panning, rotation, and zoom.
- Modeled with references from Gray's Anatomy (Netter Atlas and others).
- Schematics representing general and/or regional approaches.
- External and internal views.
- Coronal, sagittal, and axial views.
- Animations and user interaction (e.g., joints).
- Combination with real images and videos.
- Possible adaptation for Augmented Reality (AR).

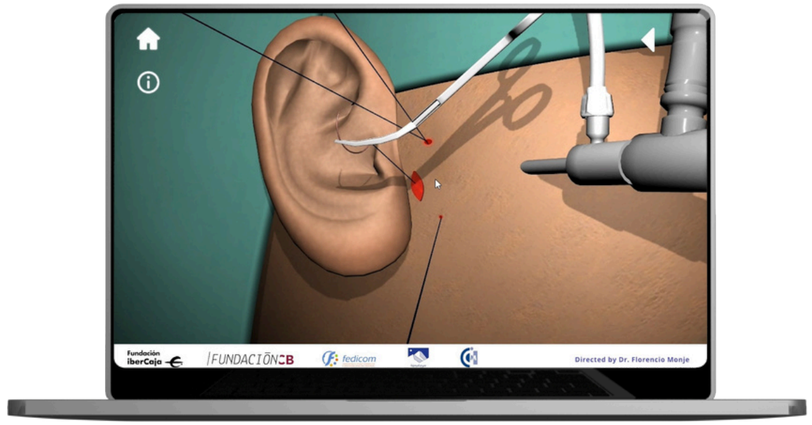


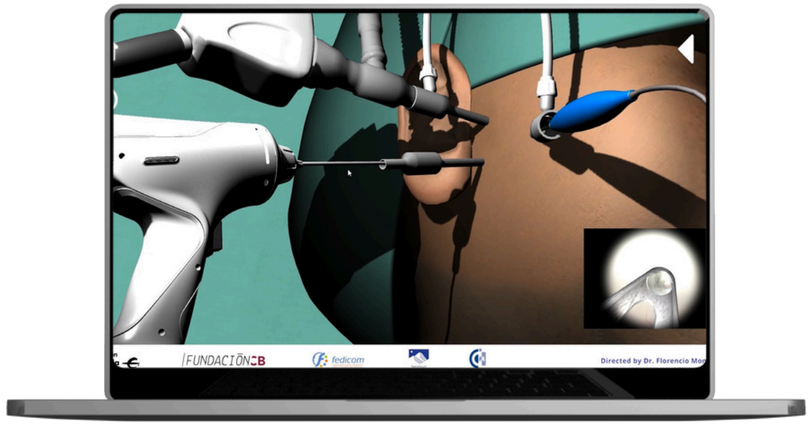
PREVIEW NOW

APPLICATIONS FOCUSED ON HEALTHCARE SPECIALTIES

Highlighted Product: MisTMJ

A mobile application designed for students and experts in the maxillofacial field. It covers everything necessary for proper learning: anatomy, instruments, and surgical procedures.



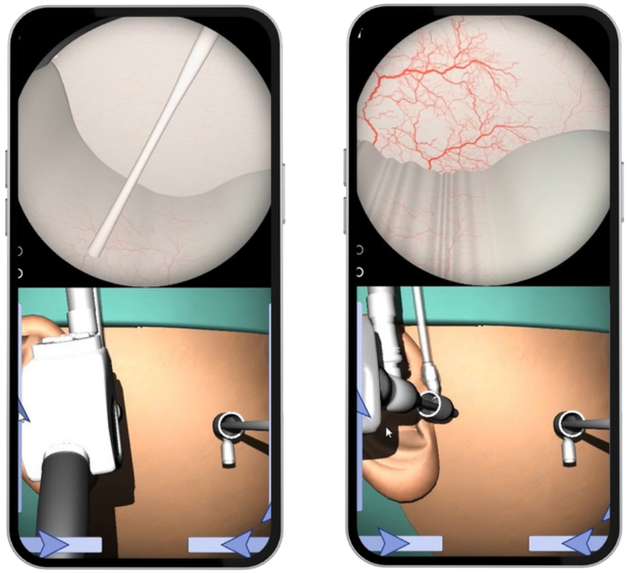


APPLICATIONS FOCUSED ON HEALTHCARE SPECIALTIES

FEATURES:

- Exploration of maxillofacial anatomy, including the temporomandibular joint (TMJ).
- Instruments.
- Arthrocentesis.
- Diagnostic and therapeutic arthroscopy.
- Over 20 pathologies.
- Suture methods (Pins and McCain/Israel).
- Free training mode with different difficulty levels, involving an arthroscope camera and probe.

PREVIEW



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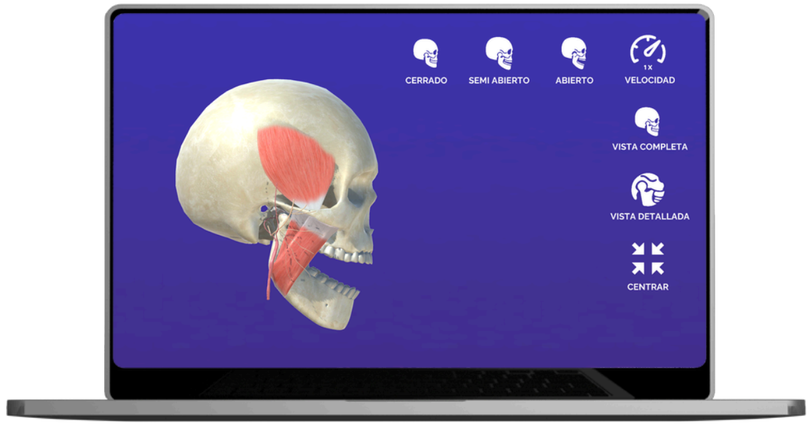


COLLABORATIVE VIRTUAL REALITY

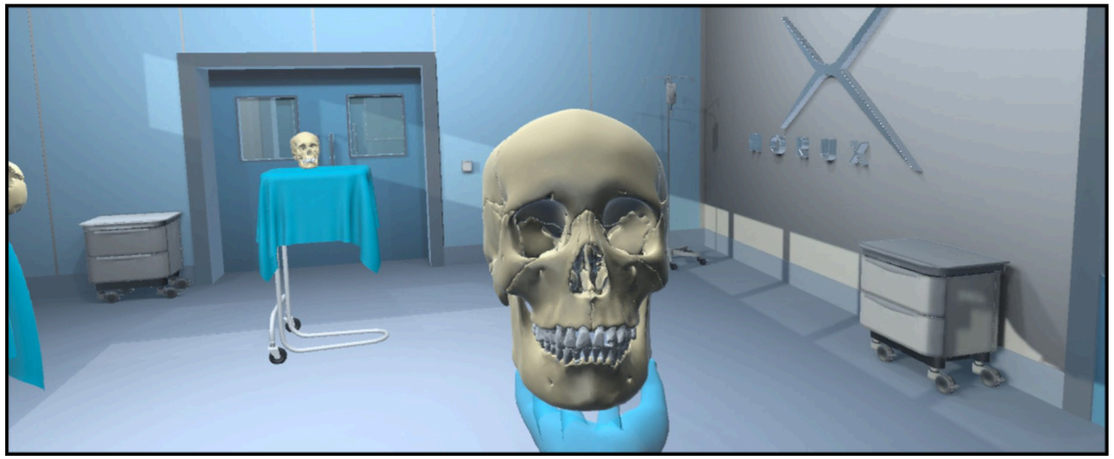
Highlighted Product: HORUX Medical

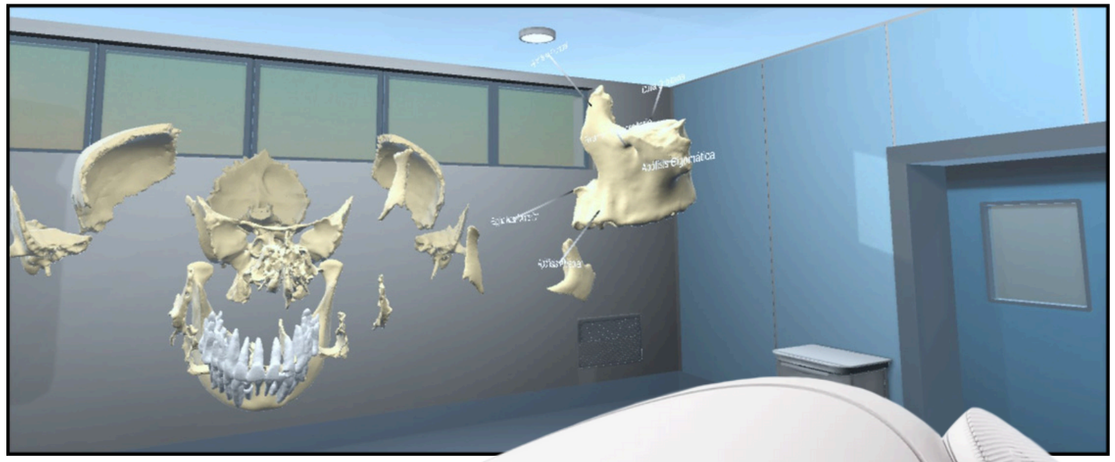
A virtual university that complements the physical one. By using Virtual Reality (VR) technology and multiplayer modes, it enables virtual connection between teachers and students, even when they are in separate physical locations. The classrooms are fully customizable by the teacher, who can prepare them with anatomical models and procedures from our catalog, or by including their own 3D models.

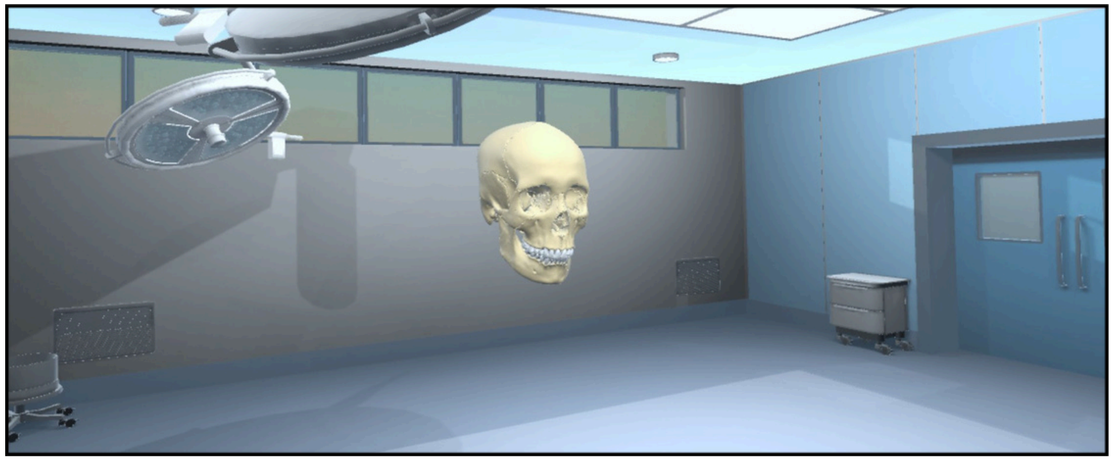
COLLABORATIVE VIRTUAL REALITY

FEATURES:

- Classroom configuration from a catalog (offices, theoretical rooms, operating rooms, necropsy rooms, etc.).
- Addition of pre-set 3D models from the catalog (validated by a scientific committee).
- Upload of customized models and identification of personalized anatomical points. Basic scripting sequences to add interactivity to customized models.
- Schedule configuration for orderly student group connections.
- Voice streaming.
- Complex or simple avatars, and lighting points.
- Addition of preset models to the configured rooms: clocks, blackboards, projection screens for Canva or Genially presentations, posters with custom images/logos, etc.
- Immersive VR. Compatible with PC.





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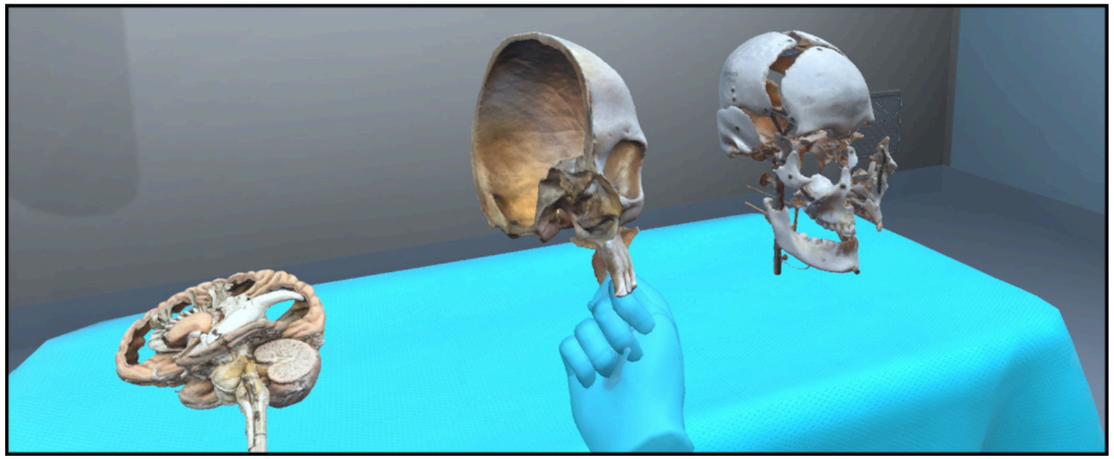


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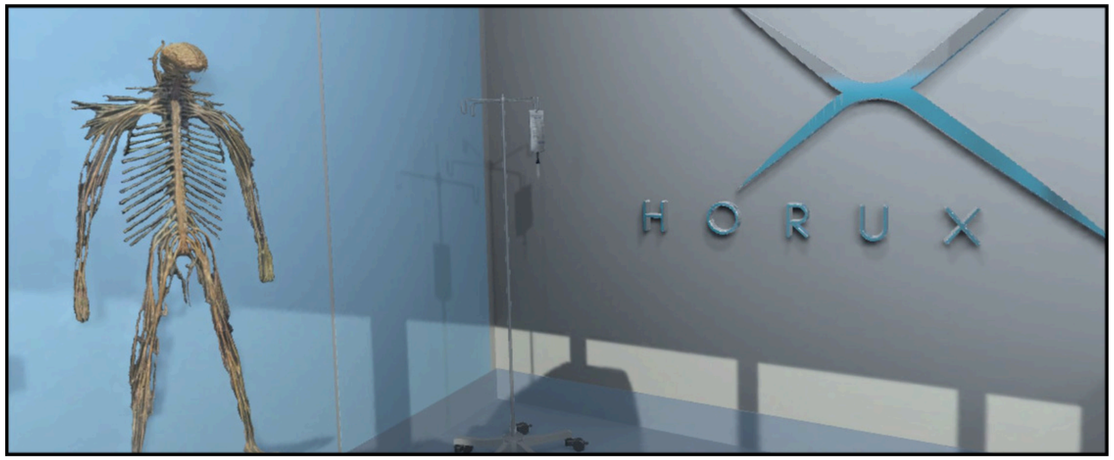
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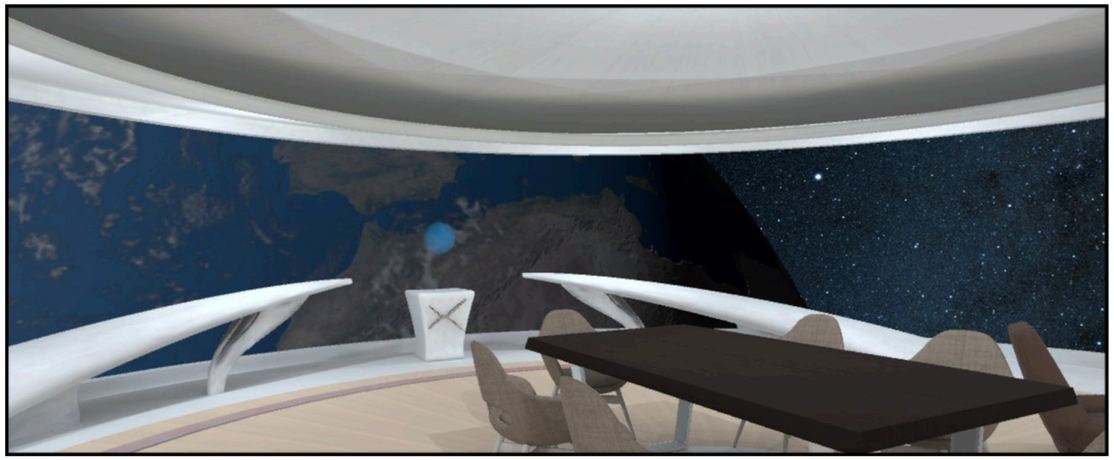


PREVIEW

At our company, we not only develop technological solutions for healthcare, but we also drive research and innovation in the sector. We use advanced tools, such as 3D simulations and data analysis platforms, to support professionals in generating scientific results and developing new patents. These technologies allow researchers to model clinical scenarios, simulate treatments, and efficiently analyze large volumes of data, speeding up discovery and innovation processes.

Our solutions are designed to facilitate the analysis of complex data and the processing of clinical information, enabling researchers to identify patterns and trends with greater precision. This not only accelerates the generation of scientific results but also allows for the development of new therapies, medical devices, and clinical procedures. By integrating big data technologies and machine learning, we contribute to creating innovative solutions that significantly impact the advancement of medical science.

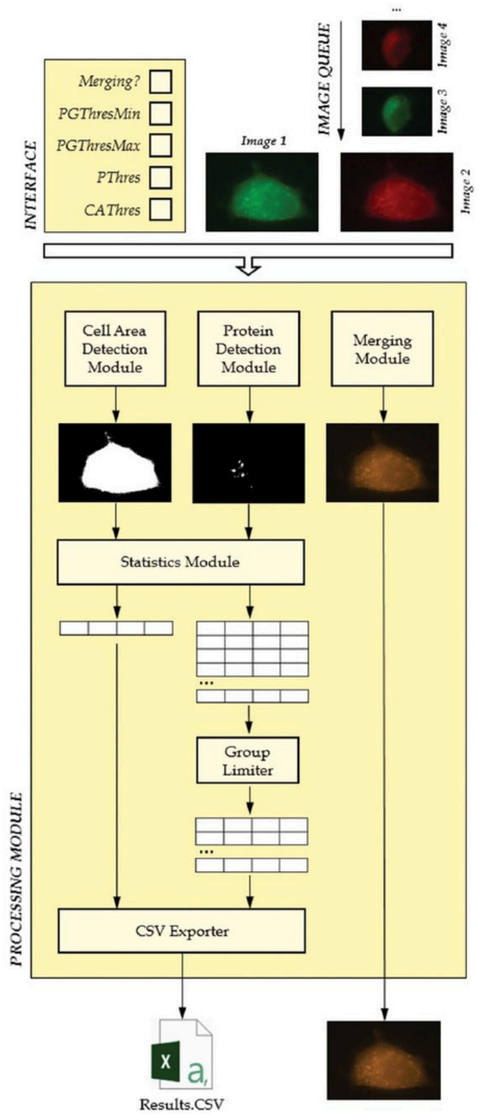
Additionally, we support research teams in protecting their intellectual property, assisting them in the process of patent creation. With our platforms, researchers can securely document and validate their discoveries, ensuring that each breakthrough translates into protected innovation that contributes to the development of future healthcare.

05 RESEARCH AND SCIENTIFIC SUPPORT

MEDICAL IMAGE PROCESSING

Highlighted Product: IfDotMeter

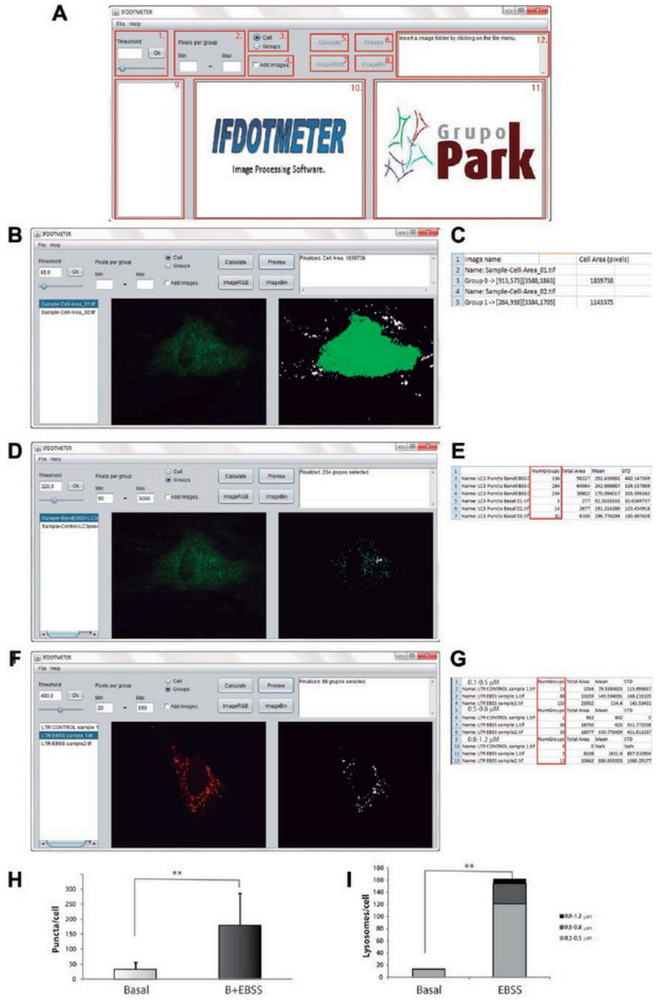
A set of routines designed to analyze images obtained from microscopes, aiming to determine the relationship between cell nuclei and proteins in a research project on cellular autophagy.



MEDICAL IMAGE PROCESSING

FEATURES:

- Analysis of RGB images from microscopes for the detection of components using advanced thresholding techniques (detection of cell nuclei and proteins).
- Group detection and size determination (pixel count corresponding to proteins).
- Advanced calculations for generating scientific results and export to Excel format for detailed analysis.
- Compatible with fluorescence-based procedures.
- Possible adaptation to other image formats such as DICOM.



Patent Ner: CC-0109-2013

DECISION ALGORITHMS FOR HEALTHCARE PROCEDURES

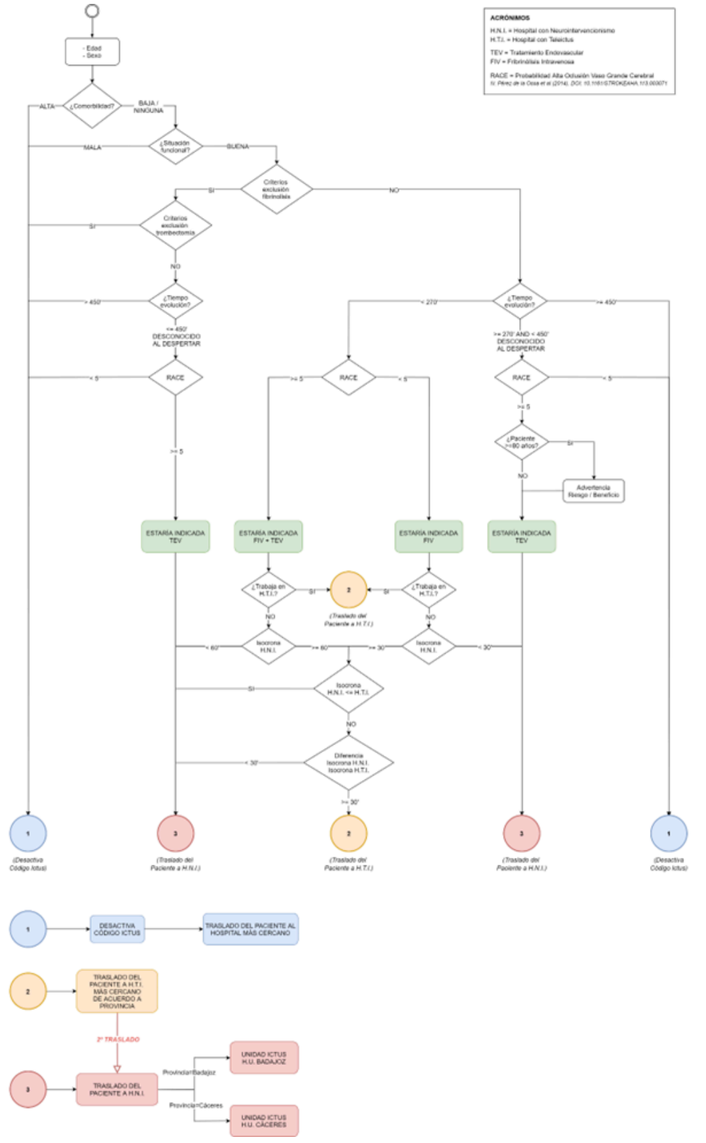
Highlighted Product: Design of a Decision Algorithm for the Optimization of Stroke Patient Care in Extremadura Health Service (SES) Centers

We design and implement intelligent or AI-based algorithms to optimize procedures and provide decision-making support for non-expert staff. In this case, a decision tree algorithm determines the severity of a patient during a stroke and proposes an action plan, considering the network of healthcare centers within SES.

DECISION ALGORITHMS FOR HEALTHCARE PROCEDURES

FEATURES:

- Identification of patient severity through a decision-tree-based questionnaire.
- Use of internationally validated procedures like the RACE scale.
- Consideration of all SES healthcare centers, hospitals, telestroke units, and neurosurgery centers for mobilizing the stroke case in severe situations as quickly as possible.



Patent Ner: CC-39-21

ENTITY/CLIENT COMMUNICATION SYSTEMS

Highlighted Product: Information System to Facilitate Patient Therapy Compliance

A set of routines and communication protocols designed to enhance the relationship between pharmacies and patients. With this system, pharmacists configure the dosages of medications that clients must administer, performing remote monitoring of the patient's progress, while also conducting statistical studies on medication consumption.

ENTITY/CLIENT COMMUNICATION SYSTEMS

FEATURES:

- Assignment of medications and administration methods to a patient. Includes uploading a photo of the medication box to help patients identify their medications.
- Analysis platform to check which medications have been administered and which have not.
- Statistical system for analyzing dispensed medications, administration percentages overall or by patient, etc.

Patent Ner: CC-45-19

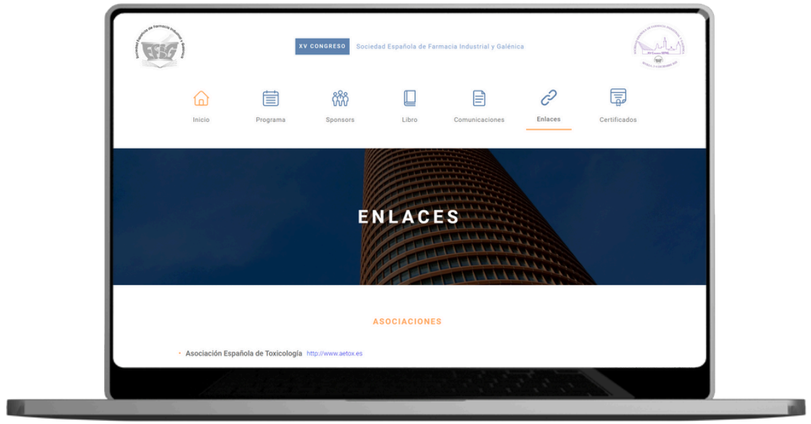
INTRANET FOR CONFERENCES

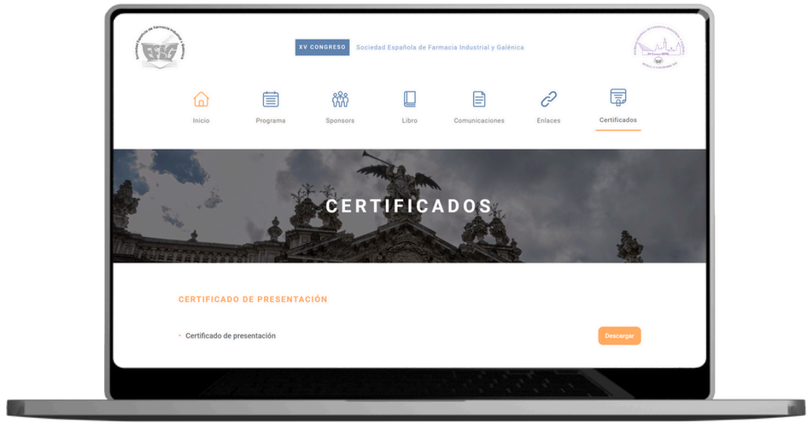
A platform for managing conference attendees, adaptable to any type of event. It serves as an entry point for attendees to stay informed about notifications, schedules, or presentations. It includes document management and communication capabilities between users.

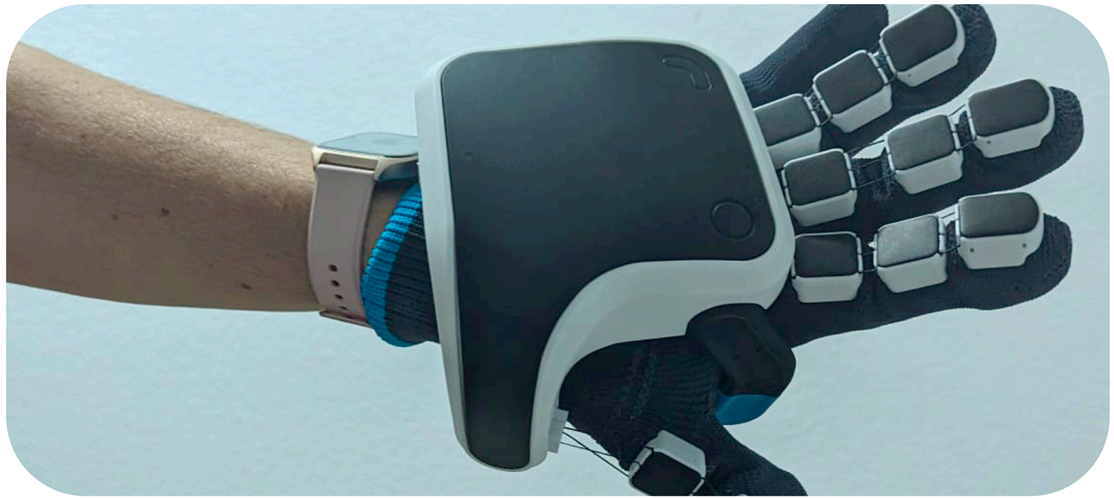
INTRANET FOR CONFERENCES

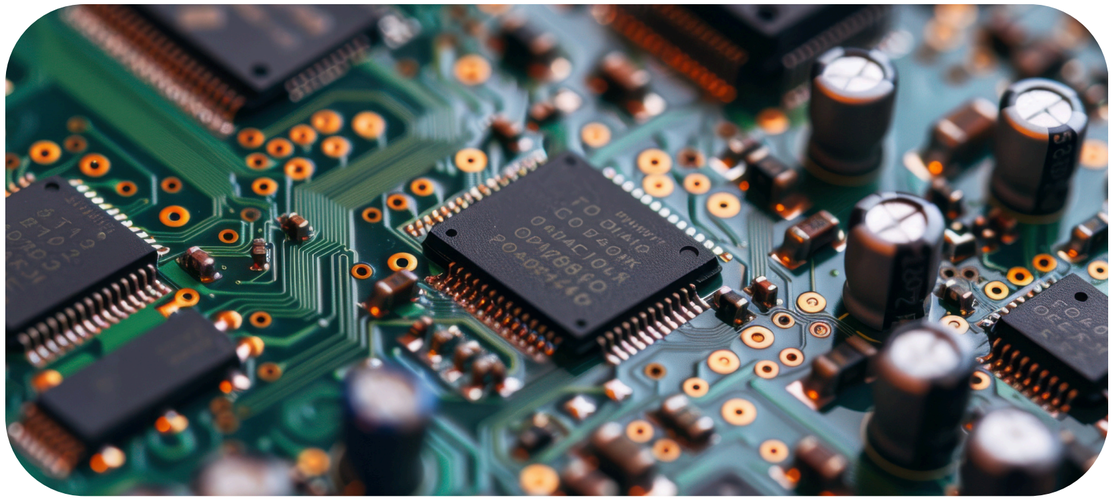
FEATURES:

- Individual or administrator registration.
- Informational page about the conference and the city.
- Schedule configuration for the conference. Highlighted communications in real-time.
- Search for attendees and internal messages. Ability to schedule meetings.
- Notifications from the organizers.
- Document management. Upload of organization, presentation, and attendance certificates.
- Real-time photo gallery.









As software development experts, we not only support research and innovation but also integrate third-party devices whenever they are compatible with our systems. This allows us to offer platforms that connect with wearables, smartwatches, and other medical devices, expanding the scope of the data collected for scientific research. By combining this technology with our solutions, researchers can monitor biometric data in real-time, analyze patterns, and obtain more advanced health parameters.

06 THIRD-PARTY COMMUNICATION AND INTEGRATION

In the field of 3D simulation, the integration of haptic devices plays a fundamental role. These devices allow healthcare professionals to physically interact with virtual simulations, adding a layer of realism that enhances both training and research. By providing tactile feedback, haptic devices help simulate medical procedures with greater precision, from surgical interventions to complex treatments. This not only benefits the training of healthcare professionals but also speeds up the validation and development of new medical technologies.

Thanks to our ability to integrate external devices, we facilitate the creation of more comprehensive scientific results and accelerate the innovation process, which also supports the generation of new patents in the healthcare sector. This technological flexibility allows researchers and professionals to work with the most advanced tools on the market, all while benefiting from the power and security of our software solutions.

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