

CSO/ANTICOAGULATION

EFFECTIVE MANAGEMENT OF PATIENTS IN CONVENTIONAL VKA,
SELF-TESTING OR SELF-MANAGEMENT THERAPY PROGRAMMES



CSO/ANTICOAGULATION OFFERS CLINICS THE FOLLOWING ADVANTAGES

- Dosage function with decision support system
- Patient message containing dosage information, etc.
- Overview of each patient's status, including updated 12-month TTR (Time in Therapeutic Range) reporting, according to the Rosendaal method
- Support in connection with bridging and hospitalisation
- Decision support system with colour coding of patient status
- Automatic forwarding of test results and medication information
- Calendar with an overview of upcoming patients and no-shows and a reminder function
- Option for follow-up on quality and performance
- User interface/app with options for
 - Read-only access
 - Self-testing patients (patients perform their own INR test, but dosage is managed by the clinic)
 - Self-management patients (patients perform their own INR test and manage their dosages)
- User interface/app for district nurses
- Secure communication between patient and health care professional
- Structured data collection and patient communication

A growing number of patients under treatment with both Vitamin K antagonists (VKA) and New Oral Anticoagulants (NOAC) means increased pressure on the management of outpatients. There are more patients to manage, yet the resources remain the same. Effective tools are therefore needed to help clinics keep track of the individual patient and ensure effective monitoring of the total population.

CSO/Anticoagulation is a comprehensive solution for managing both conventional VKA therapy and patients in self-testing or self-management therapy programmes. The system is also able to handle patients under treatment with NOAC drugs. This provides healthcare professionals with a unique opportunity to compare quality and number of complications in their own system. The system has been in production in Denmark and the USA since 2003 and, today, it is the most widely used system for outpatient anticoagulation therapy in Denmark. It is an add-on to existing electronic patient journals. Consequently, login and current context (department/patient) can be reused across systems.

The system enables effective, structured and uniform quality of treatment and allows for sharing of data between everyone involved in the therapy, including cardiologists, bioanalysts and nurses at the hospital, GPs, district nurses and patients. In Denmark, the system has succeeded in minimising the time spent on finding and processing information during outpatient visits, allowing the health care professional to spend more time on communication with the patient. The system's decision support feature also enables doctors to delegate much of the dosage management to nurses, bioanalysts and secretaries. As a result, doctors only need to spend time on dosage for the most critical patients. Reporting functions give a quick overview of the quality of the therapy and high-risk patients.

You are welcome to contact IntraMed A/S for a thorough demonstration of the system and to discuss how to put it to best use in your organisation.

The system offers structured work routines, ensuring uniform data collection. Routines are adapted to suit the various types of visit, enabling clinicians to provide relevant data in an effective manner. For example, the most commonly used INR and dosage data are provided on one tab.

PATIENT DOCUMENTATION AND ACCESS

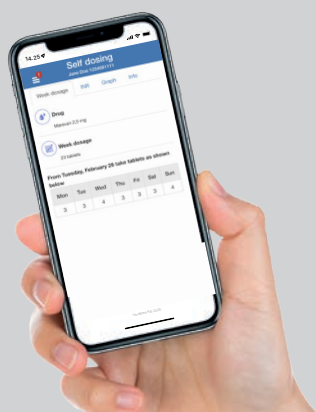
Giving patients access to up-to-date information

Patients have encrypted access to the system via a web browser or app for smartphones and tablets. The app also features CoaguChek INRange and offers quick and secure transfer of INR measurements.

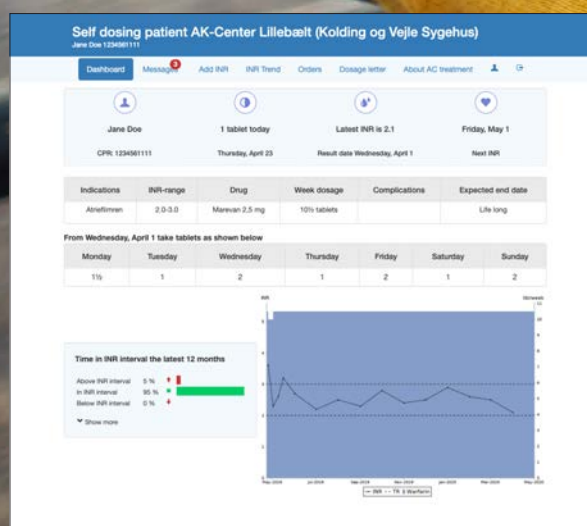
The system makes it easy for both patients and health care professionals to exchange messages and documentation and to gain access to information about anticoagulation therapy. There are several access levels:

- Read-only access for conventional patients
- Access for self-testing patients with an option for recording/transferring INR
- Access for self-management patients, enabling INR transfer and dosage adjustments

The system is set up to suit the needs of the customer, if necessary with language options.



*CSO/Anticoagulation
is integrated with
CoaguChek® INRange
and CoaguChek® Pro II*



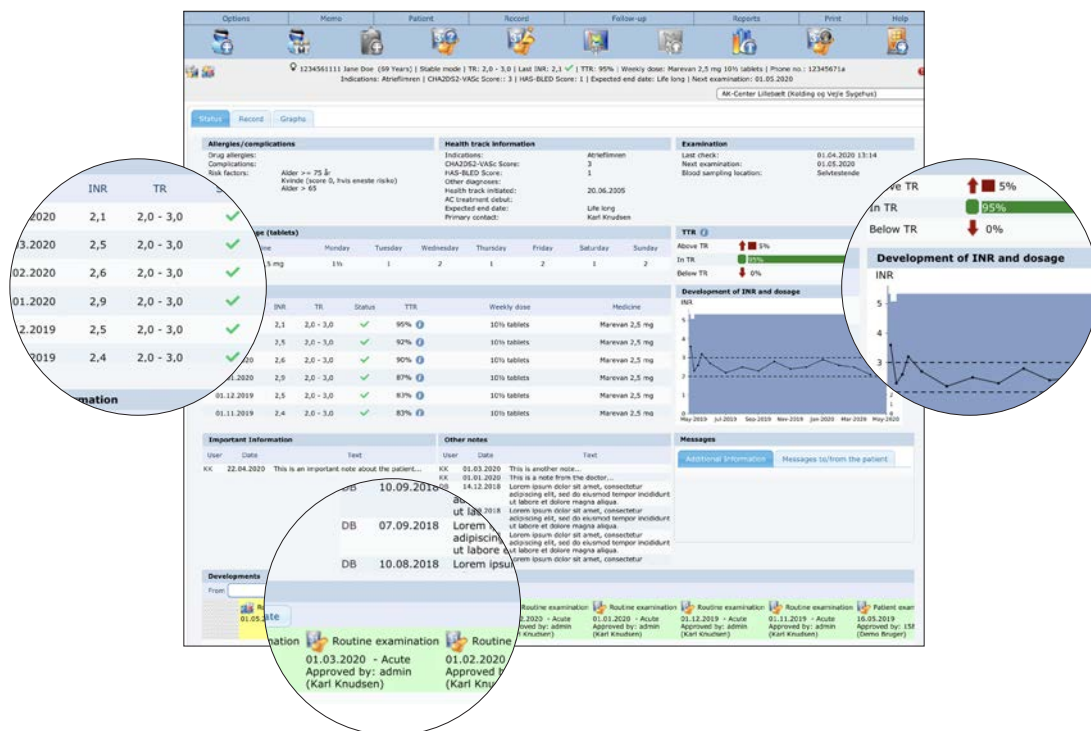
CLINICAL CONTINUITY

The journal follows the patient

The system is based on clinical continuity, which means that the journal follows the patient, and everyone involved always has access to the latest information. This structure also enables the system to display an up-to-date status page.

STATUS PAGE

Collects the most important data about the patient's therapy

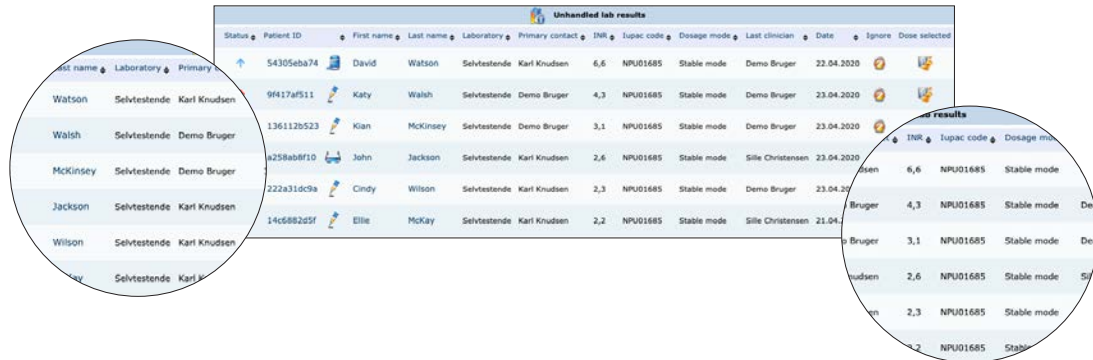


The status page collects the most important data about the patient's therapy, including indication and details of the latest and upcoming visits. This page shows the patient's current dosage, TTR, dosage and INR history as well as a graphic presentation of the history. Red, yellow and green colour codes indicate INR status relative to therapeutic interval and show whether there have been any significant changes in INR levels within a very short time.

The system can be integrated into medication modules and laboratory systems and will display current treatment and status, giving health care professionals more time to focus on aspects such as dosage, the next visit or discussing the patient's general well-being.

INBOX

INRs are automatically displayed, as soon as they are created



Status	Patient ID	First name	Last name	Laboratory	Primary contact	INR	Iupac code	Dosage mode	Last clinician	Date	Ignore	Dose selected
	54305eba74	David	Watson	Selvtestende	Karl Knudsen	6,6	NPU01685	Stable mode	Demo Bruger	23.04.2020		
	9f417af511	Katy	Walsh	Selvtestende	Demo Bruger	4,3	NPU01685	Stable mode	Demo Bruger	23.04.2020		
	136112b523	Kian	McKinsey	Selvtestende	Demo Bruger	3,1	NPU01685	Stable mode	Demo Bruger	23.04.2020		
	a258ab8f10	John	Jackson	Selvtestende	Karl Knudsen	2,6	NPU01685	Stable mode	Sille Christensen	23.04.2020		
	222a31dc9a	Cindy	Wilson	Selvtestende	Karl Knudsen	2,3	NPU01685	Stable mode	Demo Bruger	23.04.2020		
	14c6882d5f	Ellie	McKay	Selvtestende	Karl Knudsen	2,2	NPU01685	Stable mode	Sille Christensen	21.04.2020		

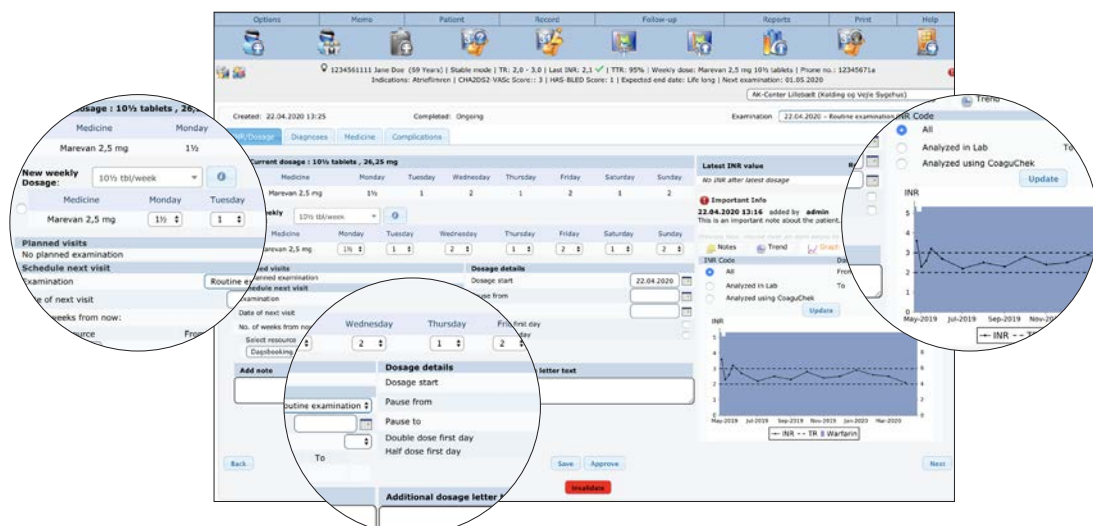
The system has an inbox feature which automatically displays INRs as soon as they are created. Usual methods for importing INRs are:

- Integration with a central laboratory system
- Manual entry by clinicians
- Manual entry by the patient (self-testing)
- Manual entry by the district nurse
- Integration with near-patient equipment such as CoaguChek

The inbox shows all INRs, colour-coded and sorted according to the patient's status. Colour coding is used in many applications to distribute tasks, for instance to ensure that only doctors dose patients whose status is red or flashing blue. Other health care professionals experienced in anticoagulation therapy then handle patients with green or yellow status.

STRUCTURED WORK ROUTINES

Ensure uniform data collection



Options Memo Patient Record Follow-up Reports Print Help

123456789101112 Jane Doe (59 Years) | Stable mode | TR: 2.0 - 3.0 | Last INR: 2.3 ✓ | TTR: 95% | Weekly dose: Marevan 2,5 mg 10% tablets | Phone no.: 123456789 | Indications: Atrial fibrillation | CHA2DS2-VASc Score: 3 | HAS-BLED Score: 1 | Expected end date: Life long | Next examination: 01.05.2020

Created: 22.04.2020 13:25 Completed: Ongoing

Examination: 22.04.2020 - Routine examination INR Code

Current dosage: 10% tablets, 26,25 mg

Medicine Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Marevan 2,5 mg 1% 1 2 1 2 1 2

Weekly 10% 10/week

Medicine Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Marevan 2,5 mg 1% 1 1 2 2 1 2

Planned visits

No planned examination

Schedule next visit

Examination

Date of next visit

Weeks from now:

From

To

Additional dosage letter

Save Approve

Important Info

22.04.2020 13:14 added by admin

This is an important note about the patient.

Notes

Trend

INR Code

All

Analyzed in Lab

Analyzed using CoaguChek

Update

INR

May-2019 Jul-2019 Sep-2019 Nov-2019 Jan-2020

INR -- TR 2.3

BUILT-IN BOOKING SYSTEM

Manages planning and resources

The screenshot displays the booking system interface. On the left, a calendar shows the week of April 20, 2020, to April 26, 2020. The main area shows a list of patients with columns for Laboratory name, Primary contact, Patient ID, Name, and Dosage. Below this, a table titled 'No-show Patients - AK-Center Lillebælt (Kolding og Vejle Sygehus)' lists patients who did not show up for their appointments. The table includes columns for Patient ID, Name, Dosage mode, Appointment date, and First reminder.

Patient ID	Name	Dosage mode	Appointment date	First reminder
8s7897dd	Birgit Børgesen	Stable mode	28.10.2019	
2079e1c41b	Dave Hansson	Stable mode	28.10.2019	22.04.2020
14c6882d5f	Ellie McKay	Stable mode	28.10.2019	
8w78w7w	Susan Twister	Stable mode	28.10.2019	

The system includes a booking system for managing planning of a department's resources. It also indicates no-shows.

RESEARCH AND ACCESS TO CLINICAL DATA

Fast and efficient access to data

The screenshot shows a complex report generator interface. It includes various filters and search options for generating reports. The interface is divided into sections for Patient Delimitation, Time Period, and Search. The main area displays a list of data elements and their corresponding values. The interface is designed to be user-friendly and efficient for generating reports.

The system has a sophisticated report generator for research and other purposes. The report generator

compiles requests and returns the necessary information quickly and efficiently.



DISTRICT NURSES

An efficient summary

The interface specifically for district nurses displays a list of the patients to be visited in a given week. Nurses can select a particular patient and act in the same way as a self-testing or self-management patient.

This module allows for effective and structured collaboration between a department and a local authority's district nurses.

ACCESS LEVELS

Focus on security

District nurses can be given access to three different levels:

- Read-only access
- INR reporting
- INR and dosage reporting

All three levels enable nurses to read information about the patient. The two levels with write access enable nurses to report measured INR values and any changes to dosage..

ENTRY PAGE

A modern tool for the district nurse

Home care

This weeks patients

Late

<

Week 17

>

Susan Clinton

123456

Little Mountain

2750 Ballerup

555-321-23s

04/23/2020

John Doe

56242029dc

Street 1

1001 København K

04/23/2020

When a district nurse logs into CSO Online, a summary appears on two tabs, each showing a group of patients:

- Patients with an INR check planned for the coming week, with an option to scroll to the next week and previous weeks
- Patients who have a visit from the district nurse outstanding

The list only displays patients affiliated with the centre to which the district nurse is attached.



Patient search

If the district nurse needs to find another patient, a name or civil registration (CPR) number can be used for the search. The search can only include patients affiliated with the centre to which the district nurse is attached.

This week's patients

This week's patients shows which of the user's patients have an INR check or dosage planned for this week. The user can scroll back and forward to see which patients received a visit last week and which patients need to be visited next week. The following icons are shown to the left of the patient's name:

- Drop of blood – indicates that an INR measurement has been taken but the patient has not yet received their dosage
- Tick – indicates that INR and dosage have been recorded in the system

Outstanding visits

The list of outstanding visits shows patients whose INR should have been measured but whose INR or dosage has not yet been recorded.

Home care		
This weeks patients		Late
Susan Clinton	123456 Little Mountain 2750 Ballerup 555-321-23s	04/21/2020





ONGOING DEVELOPMENT

Ensures future-proof investment

CSO/Anticoagulation gives you the best of both worlds: A specially designed anticoagulation system, continually developed and supported because it is based on a standard system. User groups give you local influence, and your investment is future-proof because support and maintenance expenses are known in advance.

ABOUT INTRAMED A/S

A company customers trust

IntraMed A/S has designed solutions for patients with chronic diseases ever since it was founded in 1999. IntraMed A/S is a leading supplier of systems for diabetes, cardiovascular diseases, such as hyperlipidaemia, and anticoagulation therapy.

IntraMed A/S is also active on the global market and has delivered successful solutions with partners such as Telus and Tunstall to the health services in Denmark, the UK and the USA.

IntraMed A/S is financially sound, and we are a company our customers trust.

FOR ADDITIONAL INFORMATION

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