Lighting the way with diagnostics

Eclair

Proven solutions for healthcare. Trusted by clinicians.

eOrders

Clinical Data Repository

Results Management

Mobility

Interoperability

About Eclair

Eclair is an advanced clinical information system developed in collaboration with leading healthcare organisations.

Trusted by clinicians, Eclair has a proven track record in enabling the sharing of key patient data across regions through the Eclair clinical data repository and in completing the electronic loop with laboratory and radiology request management.

Clinical Data Repository

The Eclair clinical data repository (CDR) is a relational database that integrates with multiple diagnostic and clinical information systems to retrieve and store patient data. Patient reports or events are stored patient-centrically in the CDR, building the most complete patient record possible.

Breadth of data

- Laboratory and pathology requests and results, enhanced by trend tracking and images.
- Radiology procedure requests and reports, with links to diagnostic images stored in a separate imaging system.
- Cardiology procedure requests and reports.
- Clinical documents and discharge summaries.
- Lists of dispensed medications.
- Blood products requested and issued to patients for transfusion.
- Patient hospital admission status, including location, bed number and care providers.
- Patient demographics and health status, including problem lists, diagnoses, alerts and allergies and any additional relevant information.
- Additional data and clinical calculations, images, documents and observations captured via clinical forms such as nutrition status assessments and surgery priority assessments.
- Growth data charted against World Health Organisation (WHO) standards.

An Eclair CDR provides healthcare professionals with a trusted single source of truth for clinical information.

Closed Loop Diagnostics

Patient safety is the primary focus of the Eclair closed loop test request and result management solution. The solution has been designed to ensure accurate ordering of diagnostic tests and procedures, correct delivery of reports to the right clinical team, and timely report review and follow-up.
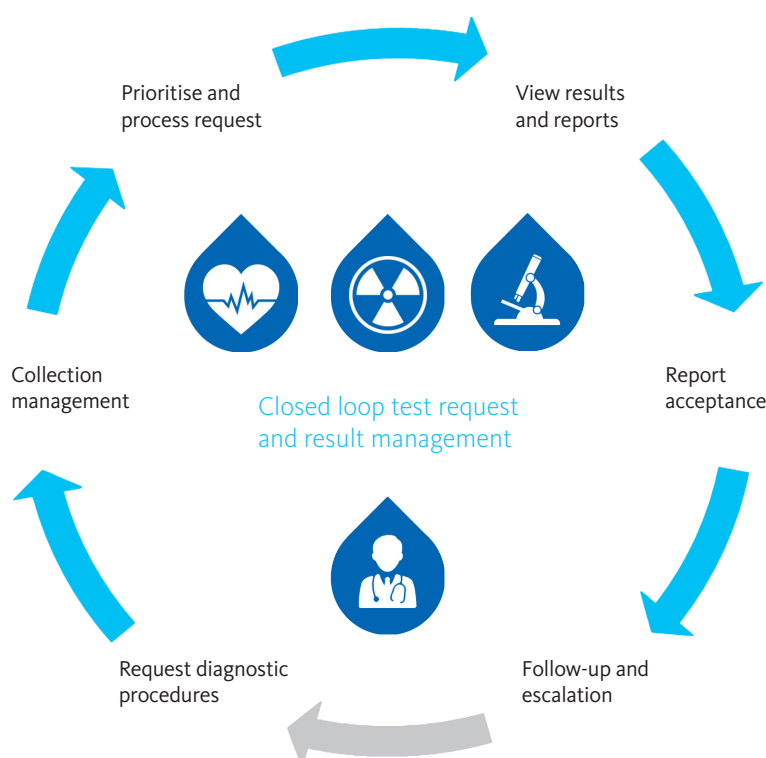
Eclair eOrders*

Eclair's eOrders module manages the electronic requesting of diagnostic tests and blood products. eOrders gives clinicians the ability to create accurate and complete orders with decision support. An HIS/ADT interface makes sure results are reported back to the correct clinical team.

Eclair Collection*

Eclair's Collection module provides total management of the specimen collection process for lab tests, including collection requirements, phlebotomy lists, and support for partial collects.

Eclair Triaging

When HL7 orders are received in the service provider's system, the Eclair Triaging module allows for easy assessment and prioritisation based on departmental guidelines and full supporting information captured with the request.

Prioritise and process request

View results and reports

Collection management

Closed loop test request and result management

Report acceptance

Request diagnostic procedures

Follow-up and escalation

Eclair Results*

The Eclair Dashboard centralises the management and review of diagnostic reports giving clinicians quick access to review and sign-off reports assigned to them. Clinical staff can also utilise the result management toolset to cumulate results, graph trends, view diagnostic images and add notes.

Eclair Sign-off*

Clinicians sign-off diagnostic reports awaiting their attention via the Eclair Dashboard. They can also refer or reassign reports to another user and use the out-off-office tool to manage report sign-offs in the event of absence.

Eclair Escalation*

Eclair's escalation functionality ensures reports that remain unaccepted are automatically escalated to another clinician's Dashboard for sign-off based on rules that determine and manage the escalation pathway.

Eclair Touch

The Eclair Touch portfolio supports the clinical workflow, to help promote efficient use of clinical time and resources, and to improve patient safety.
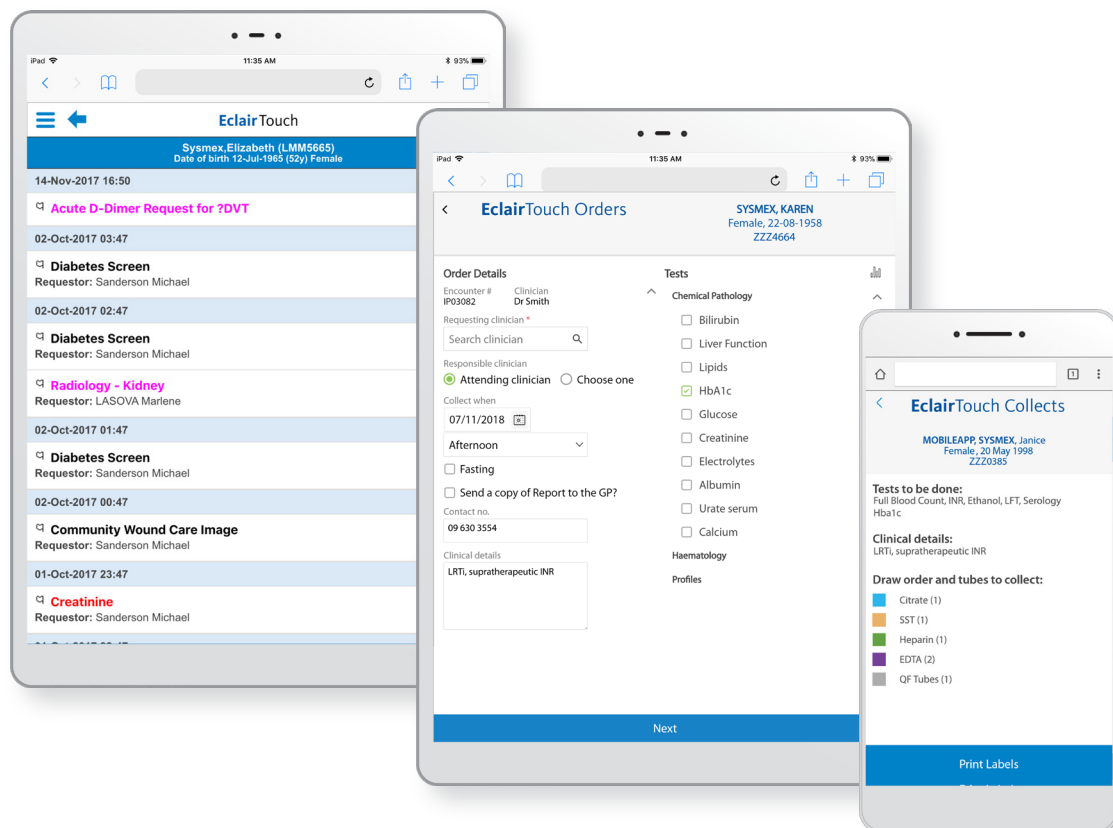
Eclair Touch
EclairTouch gives healthcare providers secure mobile access to a patient-centric view of clinical data, images and documents - anywhere, anytime.

Eclair Touch Orders
Eclair Touch Orders replicates the core functionality of Eclair eOrders enabling clinicians to create and send laboratory order requests.

Eclair Touch Collects
Eclair Touch Collects is a dedicated collection management app used by phlebotomists for the specimen collection workflow supporting accurate patient identification and on demand label printing at the point of collect.

Eclair Touch Labels
Eclair Touch Labels is a simple mobile label printing solution that can print barcoded patient labels for collection tubes on demand, reducing the need for hand labelling or the use of large PAS generated patient labels.

Eclair Touch Bloods
Eclair Touch Bloods helps prevent potential blood product dispensing errors by allowing clinical staff to scan both the blood product and patient wristband ID to confirm the blood dispensed matches to the assigned patient.
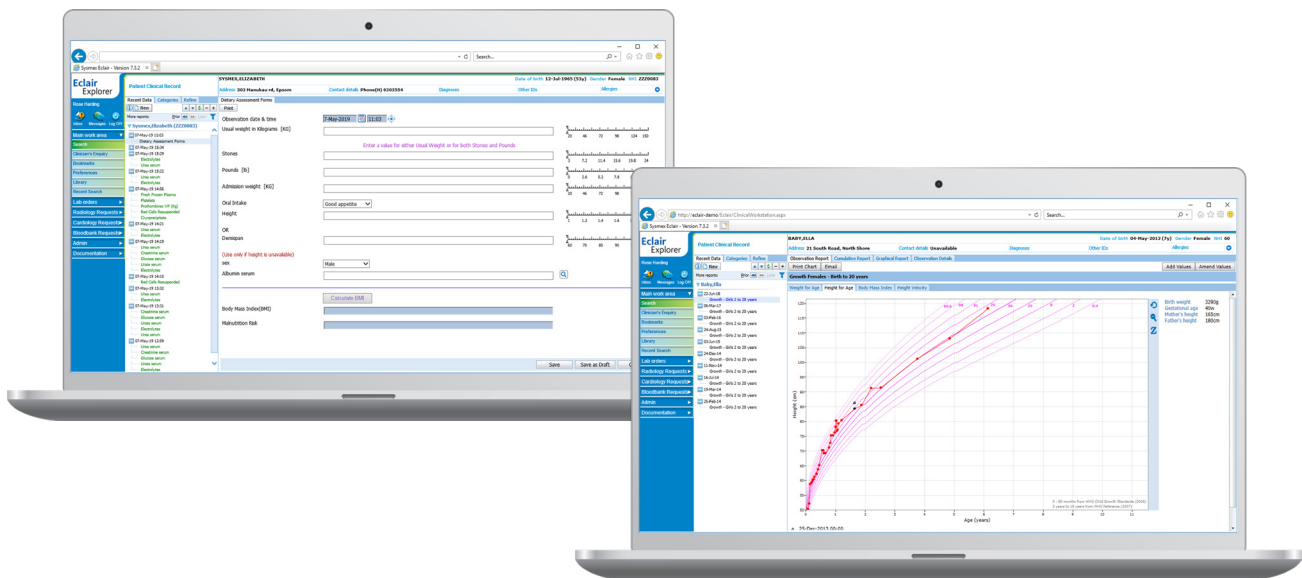
Clinical Forms

The Eclair Clinical Forms module provides the tools to design and build intelligent and diverse forms which are used to electronically capture additional clinical data to a patient's record, replacing paper-based forms.

A broad range of information can be captured via the clinical forms including voice recordings, images and document files. Clinical staff can enter free text and numerical values, pick from selection lists, and use algorithms or scripts to perform clinical calculations. Forms can also be flagged to allow for referral or requiring sign-off.

An example of the type of forms that could be created to benefit clinical decision making and workflow include:

- Risk calculators for CVD, diabetes and DVT/PE
- Clinical assessment and prioritisation for surgery
- Post-surgery wound care monitoring
- Nutritional assessment with BMI calculators

Eclair Growth Charts

Eclair Growth Charts* allows healthcare providers such as paediatricians, physiologists, dieticians, midwives and neonatal nurse specialists to create a lifetime, permanent electronic record of growth data for individual patients. Growth Charts make it easier to monitor growth trends over an extended time period. BMI, height velocity and gestational age corrections are automatically calculated and plotted against WHO standards based on measurement data entered. Growth values can also be converted to z-Scores to assist with assessment of outlying measurements.

eOrders

Electronic ordering (eOrders) streamlines the diagnostic test request process providing greater accuracy and efficiency for the ordering clinician and the receiving diagnostic service provider. Underpinning the eOrders system with a clinical data repository can deliver further benefits for diagnostic services and accurately completes the request -> test -> report electronic loop.

Eclair Lab eOrders
Eclair's Lab eOrders* covers all aspects of the lab order pre-analytical workflow from order request creation, as well as all collection management needs and the ability to view the progress of an order, add tests and amend or update.

Eclair Radiology eOrders
Eclair's Radiology eOrders* module captures the flow of information between requesting clinicians, the patient record and Radiology service providers, delivering clinical and operational benefits.

Eclair Blood eOrders
Eclair's Blood eOrders* solution assists with the smart prescribing of blood products, utilising details in a patient's record to correctly capture required blood product details and to determine the clinical necessity of the request.

Reduction in unnecessary ordering	Improved decision support	Less phone calls for results and amended results	Increased auditability

Pathology Outreach - Dr Portal

Widely used by leading laboratory and pathology providers, Eclair is the ideal solution to create an outreach service to healthcare providers (GPs, specialists, midwives, pharmacists) and create a doctor portal - a simply way for clinicians to view patient results, place orders and communicate with the lab.

Eclair receives results and reports from the lab system(s) creating a secure and permanent single view of each patient. Healthcare providers can access the patient data, via a website or a mobile device (Eclair Touch) and Eclair also supports two-factor authentication for easy remote access. Patient confidentiality is safeguarded, with the ability to restrict access and maintenance of a full audit trail. The intuitive user interface presents lab results clearly and accurately including abnormal highlighting, cumulative and graph view, plus tools to manage results. Eclair's inbuilt messaging functionality allows direct communication with the lab about a patient or a particular report. Laboratory staff can easily look up patient records in one central location, even when tests and procedures have been performed at different facilities.

Healthcare providers request lab tests online in Eclair, with the ability to follow-up with patients requiring tests and includes complete management of the specimen collection workflow and labelling for Collection Room facilities.

Interoperability

Interoperability offers significant benefits to the healthcare industry and ensures patients receive the best care possible.

Through the use of industry standards, interoperability facilitates the easy, secure flow of information between disparate healthcare systems and software applications. This improves access for clinicians to all relevant patient data allowing them to deliver quality treatment; reduce manual and repetitive data entry so there is less chance of errors occurring; and encourages the use of 'best-of-breed' products that specifically meet the industry's needs.

Interoperability is a core part of Sysmex's value proposition and Eclair has a long-proven track record in the communication and exchange of health data and information with clinic practice management systems, clinical portals, and hospital information systems.

Data Sharing
We work closely with healthcare organisations, industry bodies and other health IT providers to improve the way health and diagnostic patient data is shared and accessed. Sysmex is advancing the interoperability capabilities by developing open apis (based on the FHIR standard) and SNOMED CT.

UI and process integration
Eclair offers flexibility and a distinct advantage through its ability to integrate seamlessly and securely with 3rd party portals[1] and GP practice management systems[2] for unified workflow. All user and patient details are retained in the context of their current session ensuring an all-in-one solution and saving time.

Design and specifications may be subject to change without prior notice due to further product development.

Eclair is not a medical device as it does not have a therapeutic purpose.

References

[1] HealthOne, Health Connect South and Orion clinical workstation
[2] MedTech Evolution, myPractice, Best Practice, indici

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