MOSAIQ®
Adds Value

More details available at www.impac.com/ROI

Return on Investment
Revenue increased by 31%*
Payroll over-time decreased by 85%*

*Based on actual data from IMPAC user sites.

Personalized services
Beyond standard support

Advanced Education & Training
Keep pace with the latest technological and clinical advances
www.impac.com/onctraining

SupportPlus
Bring the power of Elekta’s training and support organization straight to your desktop
www.supportplus.impac.com

STRATEGIQ
Add clinical and operational value to your cancer program using professional services
www.impac.com/strategiq

Oncology expertise
Providing customer-driven support with superior product depth and expertise.

Customers first
Delivering the best customer experience and guaranteed up-time.

Sophisticated technology
Enabling real-time, 24/7 access and remote support capabilities.
MOSAIQ for Radiation Oncology is Elekta’s comprehensive electronic medical record (EMR) providing core charting features specific to radiation oncology. MOSAIQ is a dedicated management information system (MIS) which streamlines the entire therapy workflow from initial diagnosis and staging through planning, treatment, and subsequent follow-up, maximizing efficiency and minimizing patient queues.

Every stage of the radiation therapy workflow is supported. A flexible MIS offering over 150 standard reports, MOSAIQ also offers the customer the option to customize reports, to ensure the information provided best suits their needs thereby helping the clinic to implement efficient working practices.

In addition the optional ANALYTIQ PLUS; MOSAIQ’s query and analysis tool, will dynamically monitor practice productivity, efficiency and clinical quality through an intuitive graphical user framework.

MOSAIQ MIS streamlines business processes and ultimately helps cut costs by integrating all patient data and images into a single database with optional archiving facilities via. MOSAIQ Oncology PACS.

Capable of supporting multi-vendor, multidisciplinary and multi site organizations, MOSAIQ provides a central database solution to ensure that information is available everywhere, every time it is required.

* Мосава® Radiation Oncology EMR

---

Patient Administration  
Evaluation & Diagnosis  
Workflow Management  
Independent Treatment Verification  
Charting & Treatment Management  
Reporting & Analysis  

*MOSAIQ RD includes MLC Fit MLC Positioning, SEQUENCER Independent Verification and ViewStation Clinical Image Management devices. **Work-in-progress, 510k pending.
MINIMIZING PATIENT QUEUES AND WAITING TIMES

MOSAIQ Resource scheduling system consolidates workflow management by centralizing department scheduling and allowing users to enter and view planned activities by patient, staff, location or department. The system also optimizes workflow by automating scheduling tasks and providing a real-time patient queuing and tracking system:

- sophisticated auto-find features to locate open time slots
- protocol-driven scheduling supported via. series scheduling
- sophisticated rules based scheduling delivered through customized guidelines
- intelligent conflict checking to quickly identify and automatically resolve conflicts
- customized schedule views to meet user needs.

THE FOUNDATION OF A COMPLETE ONCOLOGY TREATMENT RECORD

MOSAIQ patient management begins with the initial referral:
- pre-registering the patient (manual or automated from the HIS via. HL7 interfaces)
- scheduling a consultation
- importing pathology reports, imaging studies and available lab results
- facilitating, review and documentation by multidisciplinary teams
- documenting diagnosis and staging information
- establishing the foundation of a complete oncology treatment record in the EMR.

PROCEDURE MANAGEMENT AND BILLING SUPPORT

At its foundation MOSAIQ Procedure Management includes features that are fundamental to a strong practice management system.

MOSAIQ Procedure Management embeds charge intelligence into the oncology EMR to enable seamless capture, audit and export of billable and non-billable procedure and supplies.

Charges can be captured throughout the treatment course and be exported for use by an external billing system via a HL7 interface. Likewise, charges captured by an external system can be imported for tracking in MOSAIQ.

OPTIMIZED FOR IMAGE GUIDANCE

MOSAIQ supports a variety of positioning technologies and enables trend analysis across multiple patient treatment systems and multiple technologies.

Patient images, 2D, 3D, portal images and MRIs are critical to cancer care and are a component of the MOSAIQ EMR. Treatment images can be stored, reviewed, archived to MOSAIQ Oncology PACS and approved. Changes requested by the Radiation Oncologist ensuring workflow efficiency is maintained. Correction parameters and table shift offsets are recorded in the EMR.

THE FOUNDATION OF A COMPLETE ONCOLOGY TREATMENT RECORD

FACILITATING FILMLESS AND PAPERLESS WORK PRACTICES

MOSAIQ supports the transfer of data from your TPS directly into MOSAIQ providing:
- integration of existing simulation and TPS into one environment
- stored plan history as part of the electronic chart, providing a record of plan review and approval.

MOSAIQ RTP further enhances the treatment planning experience by supporting:
- treatment dose display and evaluation tools
- independent and accurate Monte Carlo QA of treatment plans in the MOSAIQ database
- the adaptive radiation therapy process by providing treatment planning services from within one single MOSAIQ database.

EXTENDED SYSTEM SUPPORTS

MOSAIQ supports the transfer and integration of data from your TPS directly into MOSAIQ providing:
- integration of existing simulation and TPS into one environment
- stored plan history as part of the electronic chart, providing a record of plan review and approval.

MOSAIQ RTP further enhances the treatment planning experience by supporting:
- treatment dose display and evaluation tools
- independent and accurate Monte Carlo QA of treatment plans in the MOSAIQ database
- the adaptive radiation therapy process by providing treatment planning services from within one single MOSAIQ database.

MOSAIQ supports a variety of positioning technologies and enables trend analysis across multiple patient treatment systems and multiple technologies.

Patient images, 2D, 3D, portal images and MRIs are critical to cancer care and are a component of the MOSAIQ EMR. Treatment images can be stored, reviewed, archived to MOSAIQ Oncology PACS and approved. Changes requested by the Radiation Oncologist ensuring workflow efficiency is maintained. Correction parameters and table shift offsets are recorded in the EMR.
**EXTERNAL SYSTEMS INTERFACES**

IMPAC's family of clinical interfaces allows the transfer of data between MOSAIQ and other information systems configured with HL7. This enables a rapid transfer of accurate electronic information enabling workflow efficiencies and up-to-date data on all relevant clinical systems:

- Interface to hospital information systems
- Interface to billing systems
- Export appointment scheduling, import patient demographic information
- Lab order export and lab result import
- ED code input
- HL7 compliant document interface to support the import of documents from all other healthcare systems.

**INTERNAL SYSTEMS INTERFACES**

MOSAIQ supports a variety of positioning technologies and enables trend analysis across multiple patient treatment systems and multiple technologies. Patient images, 2D, 3D, portal images, CTs and MRIs are critical to cancer care and are a major component of the MOSAIQ EMR. Treatment images can be stored, reviewed, archived, approved or changed by the Radiation Oncologist, and maintained. All correction parameters and table shifts following image guidance are stored in the EMR.

**MANAGEMENT OF CLINICAL DOCUMENTATION**

Through MOSAIQ document management the vision of a true paperless environment becomes a reality.

- On or off-site transcription services support.
- Template support; information is pulled directly from the EMR.
- Online review, editing, approval
- Flexible document distribution by email fax or print
- Document Scanning and Import, allows facilities to scan external documents such as pathology reports and store them in the electronic chart.
- Patient Assessment tool provides an easy and efficient way of documenting a variety of clinical data. In addition to the hundreds of standard assessments, these can be customized and organized into a series of electronic forms or views designed to emulate your existing paper forms.

**A SINGLE DATABASE ENSURES ACCURACY AND EFFICIENCY**

MOSAIQ's verify-and-record system is an efficient quality assurance tool that helps therapists setup and document patient treatments quickly, accurately, and safely, while ensuring that essential treatment information is recorded directly in the patient's EMR.

The MOSAIQ Radiation Oncology chart has been designed to support linear accelerators and treatment techniques as well as multiple modalities including proton therapy, tomotherapy and emerging treatment techniques such as VMAT.
“MOSAIQ connectivity to equipment from multiple vendors improved our ability to adapt to change and the support we receive from the local office has been one of the greatest benefits to date. But the cancer patient benefits most of all, with efficient and accurate records and thorough treatment processes”.

Mr. Richard Knott, Head of Medical Physics, North Middlesex Hospital NHS Trust, United Kingdom

“The MOSAIQ vendor-independent philosophy and DICOM standard compliance allow us to enable a multi-vendor environment and remain at the forefront of cancer therapy techniques — regardless of hardware manufacturer. This flexibility opens the door for us to integrate both conventional radiation therapy treatments, as well as the newest modalities such as IGRT and proton therapy”

James Cox, M.D., Divisional head Radiation Oncology, M.D. Anderson Cancer Center, Houston, Texas, United States

“Since implementing the MOSAIQ system, our wait times have been reduced from almost eight weeks to virtually nothing right now.”

Professor Frederik Wenz, M.D., Department of Radiation Oncology, Mannheim Medical Center, Mannheim, Germany

“The MOSAIQ system has allowed us to combine our patient scheduling, radiation therapy electronic medical record, and images into one source of information that is accessible to multiple staff members in multiple locations. This has not only resulted in enhanced communication and overall departmental workflow, but also in substantial material cost savings.”

Terry Michaelson, Director of Technical Systems, Radiation Oncology and Radiation Therapy, The Princess Margaret Hospital, Toronto, Canada