HealthView

Vascular
As the market leader in fully integrated cardiovascular information and imaging systems (CVIS) for over 23 years, LUMEDX brings its expertise in clinical data management to its comprehensive vascular service line solution. LUMEDX’s HealthView Vascular suite is a cloud-enabled solution that consolidates clinical data and images for the management of vascular disease including vascular ultrasound, endovascular procedure data management for the cath lab, interventional radiology, specials, and neurovascular.

By offering a vascular solution, LUMEDX has recognized a need in IT and healthcare to further integrate vascular disease management for outcomes analysis, service line management, and cost containment. The push for vascular data management is a direct result of the demand for more evidence-based medicine that tracks outcomes and patient safety standards at individual medical institutions. This clinical data can be used in pay-for-performance programs, third-party reimbursement, ICAVL and ACC-NCDR® PVI Registry™ participation and accreditation, informatics, and research.

The LUMEDX HealthView Vascular suite delivers significant advancements in functionality, security, and integration to create a premier vascular solution. LUMEDX solutions offer more advanced data collection, report generation, clinical data analysis, and accreditation—all supported by LUMEDX’s robust clinical data repository, Apollo. And through cloud-enabled HealthView, doctors can access patient data and complete reports from any location—hospital, practice office or home.

Features and benefits include:

- SQL database
- Enhanced security
- Report storage
- Additional Invasive Peripheral Vascular and Neurovascular components
- Full integration with our complete line of cardiovascular solutions
- Cloud delivery option
- And more

Because the vascular modules are built by LUMEDX, they work seamlessly with our entire suite of clinical, financial and productivity management tools. You can choose from a comprehensive suite of information tools designed to maximize your competitive edge in the increasingly competitive healthcare marketplace: enhance patient care, streamline clinical workflow, manage departmental resources, boost profit margins, and much more.
Peripheral Vascular Diagnostic (PVD) Module

Procedural data for individual peripheral arterial and venous vascular exams is captured in the PVD module. The module collects discrete data fields for exams in three distinct anatomical regions: cerebrovascular, upper and lower extremities, and abdomen. LUMEDX’s Measurement Gateway transfers measurements from the ultrasound machine to the PVD module. Combined with advanced reporting tools that include diagram support, this allows clinicians to quickly complete a comprehensive procedural report.

The PV Diagnostic module enables users to document lesions and disease in over 32 diagrams. These diagrams are stored with the patient’s record and are added to post-procedural reports. Image storage features also can attach third-party reports and images to specific procedural reports.

Benefits of the PVD module:

- Advanced tools allow automated report generation from measurement data
- Abnormal findings can be configured to automatically populate conclusions
- Anatomical diagrams can be edited, added to the to the event record, and copied to the patient report
- Tool configuration to support data integrity by warning users of conflicting data
- Trending allows clinicians to monitor structural changes over time
- Electronic signature and date by interpreting MD
- ICAVL compliant
Peripheral Vascular Invasive (PVI) Module

The Peripheral Vascular Invasive module documents peripheral arterial and venous vascular procedures in four distinct anatomical regions: cerebrovascular, upper extremity, thoracic/abdominal/visceral, and lower extremities. Procedural documentation includes a lesion view for lesion-specific data for over 500 different vessels as well as views for procedure-specific clinical information. Endovascular procedures may be performed in the cath lab, peripheral vascular lab, vascular surgery, and/or the interventional radiology lab. National patient safety metrics have been added to the module and are easily captured during the patient procedure.

LUMEDX’s PVI module makes participation in the ACC-NCDR PVI Registry™ simple and straightforward.

Vascular Surgery Module

The Vascular Surgery module enables surgeons to track all of their patient, procedure (open and endovascular) and therapeutic information. In addition, important follow-up milestones are recorded to identify outcomes trends and for Kaplan Meier analysis reporting. Physicians and staff enter their critical procedure information while it is fresh in their minds-right in the operating room, interventional suite, or during rounds. By capturing this data immediately after the procedure they ensure all pertinent data is captured for full reimbursement of billable events.

The Vascular Surgery module gives surgeons the ability to understand and predict the outcomes of very specific treatment modes. The amount of data that can affect the success of a given surgical procedure is immense, and prior to clinical database software there was no simple or easy way for busy surgeons to track accurately and utilize patients’ outcomes in a meaningful way. The Vascular Surgery module makes tracking and analyzing data simple, so you can easily:

- Review complication rates
- Calculate survival rates
- Identify changes in referrals
- Isolate variables leading to improved diagnosis, treatment decision, and clinical outcomes
- Evaluate primary and secondary patency rates
- Track national Patient Safety Metrics
- Review performance on JCAHO surgical measures
- Select appropriate diagram from a standard set. Edit using MS Paint & include in patient report
- Complete procedure documentation quickly using customizable lookup tables

The HealthView Suite

LUMEDX HealthView delivers comprehensive, integrated cardiovascular imaging, information and analytics solutions that your cardiology department demands—with seamless connectivity to your enterprise systems via the cloud. Our solutions facilitate streamlined workflows for every modality in your CV suite and beyond: Cath, ECG, EP, Echo, Nuclear, Vascular, Surgery, CT/ MR, Interventional Radiology, Disease Management…and more.

HealthView solutions:

Streamline Workflow – Integrated, Web-accessible Physician Reporting with Image Management, Analytics, Scheduling, Billing, Inventory, Registries and more.

Enable Department/Enterprise Integration – Over 140 interfaces connecting clinical devices, systems and the EHR/HIS. Orders-management and EHR-integration specialists.

Support Analytics – Our Analytics Dashboards and Reports enable viewing, monitoring, drill-down and analysis of your facility’s performance.
Vascular Interventional Radiology (IR)

The Vascular Interventional Radiology module is the first software application of its kind to offer complete data capture of procedural details and patient safety/JCAHO performance measures at the point of care. The module offers thorough, automated data collection while facilitating analytics, inventory and billing capture—thus giving IR physicians and clinicians an effective, efficient workflow to collect common procedural data for tracking case details, compliance, volumes, S & I codes, billing, and more.

The module streamlines the IR workflow by automating data collection while providing the IR suite with powerful tools to improve patient care, reduce in-patient costs and enable the easy exchange of clinical information. Performance metrics are immediately available for review and analysis. Images are easily integrated into the case record. System tools help you capture and submit all billing codes for procedures rendered, ensuring maximum reimbursement. Inventory is tracked automatically, reducing the potential errors associated with manual systems.

The Vascular IR module enables detailed documentation of diagnostic and interventional procedures common to the vascular interventional radiology suite. JCAHO performance measures are documented automatically within the case record. ICD and CPT Codes can be assigned during or immediately after the case. The Vascular IR module also includes additional case data for documentation: History and Risk Factors, Labs Values, Pre-Procedure Imaging comments, Complications, Images and more.

The module:

- Documents over 300 arteries and veins (first, second and third order vessels)
- Documents multiple vessel pathologies documentation: Lesions, Lesion Characteristics, Aneurysm and Aneurysm Characteristics and many others
- Documents Anatomical Regions: Cerebrovascular Arteries and Upper Extremity Thoracic Arteries; Abdominal Arteries; Lower Extremity Arteries

Neurovascular Module

In partnership with St. Luke’s Mid America Brain & Stroke Institute, LUMEDX developed a Neurovascular module in 2006. Neurological events are tracked from admission, diagnostics, and intervention through to discharge. The Neurovascular module includes JCAHO and CMS data collection for stroke, thrombolytic use, device tracking, procedural reports, and statistical outcomes reports.

The module:

- Captures CVA and TIA assessment symptoms and treatment, including NIH Stroke Scale and Hunt Hess Grade
- Documents cerebral intervention and procedure logs
- Tracks patient education
- Denotes equipment and inventory usage directly in the patient’s procedural record
LUMEDX is the market leader in cardiovascular data intelligence and cardiovascular information systems (CVIS). Pioneers in cloud-powered healthcare analytics, our comprehensive suite of software and services enables high-performance workflows, optimal integration of clinical and EHR data, improved continuity of care, and reduced costs. We develop all our solutions with the firm belief that the delivery and management of healthcare is best served by a community of providers linked—and empowered—by technology.

For more information about LUMEDX and HealthView, contact info@lumedx.com.