

Today's Business Challenge: Document Electrophysiology Procedures Quickly and Easily

Documentation is a critical step in any electrophysiology (EP) procedure. Referring physicians, the medical records department, insurance companies, hospital administrators and staff all use portions of the clinical data, demographics, images and inventory information. And all stakeholders require timely access to case details. Yet producing and distributing a report with manual systems can take days or weeks, slowing follow-up treatment and reimbursement. Physicians need a solution that allows them to complete, sign and distribute an electronic medical record at case end—with speed and accuracy.

The Solution: CardioDoc™ Electrophysiology Structured Reporting

CardioDoc is the premier structured reporting solution for the cardiac and vascular service lines. With CardioDoc's EP Reporting Solution, physicians can rapidly

- **Complete reports** for EP study/mapping, ablation, implantable devices, cardioversion and tilt table
- **Sign** securely with a password-protected e-signature
- **Automatically distribute** to referring physicians, medical records, billing, inventory management, their own offices and hospital administration

By documenting data digitally, CardioDoc ensures that physicians and referring physicians have all the information they need at their fingertips to provide the highest quality patient care.

CardioDoc EP report templates are separated by procedure for a more streamlined view. Likewise, log-in is role-dependent with separate views for RNs/technicians and physicians. Each user gets the information most pertinent to his needs. Additionally, all information added to CardioDoc becomes a part of the **Apollo Advance™** database and can be used to satisfy American College of Cardiology (ACC) ICD Registry™ requirements.

The screenshot displays the CardioDoc software interface for an 'Ablation' procedure. The window title is 'CardioDoc - User: Admin - Patient: Munster, Herman [445990]'. The interface includes a menu bar (File, View, Admin, Help), a toolbar (Save, Cancel, Refresh), and a 'Patient Select' dropdown. A left-hand navigation pane shows a tree view of workflows: EP Study, Ablation, RN/Tech Data View, History, Log, Measurement, Report Data View, Report, Images, Cardioversion, Tilt Table, Implantable Devices, Patient & Event Information, and Add PatientEvent. The main content area is titled 'Ablation' and contains several sections: 'Patient Information' with fields for Name (Herman, Munster, Juan), MFI#, Birth Date (2/3/1946), Age (61), Gender (Male), Height (74 in / 188 cm), Weight (209 lb / 131.1 kg), BSA (2.9), and BMI (37.1); 'Procedure Information' with fields for Procedure Date/Time (3/26/2007 10:30), Account Number (25687912), EP Physician (Doolittle, James MD), Referring MD 1 (Clemente, Warren MD), Assisting Physician (Divega, Sylvester MD), Referring MD 2 (No, Willy MD), and Anesthesiologist (Pfeffer, Patricia MD); 'Staff' with a table listing staff members (Hugert, Theodore RN - Nurse; Cooper, Alan RT - Technician; Hage, Samuel RDS - Scrub); and 'Indications' with a table listing ICD-9 codes (S0160 - Accessory pathway mapping; S0340 - Right ventricle ablation). At the bottom, there are checkboxes for 'Treatment Discussion' and 'The anticipated results'.

Ablation – RN/Tech Data View

Benefits


Produce a Structured Report at Case End. Using interfaces to connect hemodynamic equipment, imaging systems and the hospital information system, CardioDoc retrieves all patient-specific data and incorporates it into the EP report. Because it's a structured reporting solution—with minimal freestyle documentation—CardioDoc enables quick review and editing. Procedure reports are thus created faster and more accurately than with conventional dictation and transcription. Data is available immediately so that physicians can evaluate care strategies and patient outcomes.

Simplify Registry Participation and Outcomes Reporting. CardioDoc EP aids data collection for the ACC ICD Registry. All data is readily available for querying for statistics and outcomes reporting.

Eliminate Transcription Costs and Associated Delays. Patient data is entered in real-time during the procedure. Therefore, the report is ready for physician review at case end. He can add a summary and plan, sign with an e-signature and use Auto-Distribution to send it to the referring physician and medical records department right then, days faster than with transcription-based documentation. Automated reporting also reduces transcription overhead and eliminates delays typically associated with repetitive editing and multiple reviews.

Increase Physician Satisfaction and Elevate Follow-up Treatment. Because much of the report, summary and plan is completed with wizards, customizable pre-scripted templates and picklists, EP physicians can document procedures easily and rapidly. In turn, referring physicians receive a timely, focused report that clearly outlines ongoing patient care. Patient reports are accessible for review electronically, as well as via the Internet or intranet. The quick turnaround time, accessibility and comprehensiveness of CardioDoc all help to ensure high-quality follow-up care, increase physician satisfaction and promote rapid treatment in case of emergency.

Electrophysiology Procedure Report



Patient Information

Name: **Munster, Herman Juan**
Medical Record #: 448890 Age: 61 Gender: Male
Birth Date: 2/3/1948 Race:

Procedure Information

Date of Study: 3/28/2007

Primary Physician: Doolittle, James MD Referring MD: Demento, Warren MD
Assisting MD: Zhivago, Sylvester MD Referring MD 2: No, Willy MD
Anesthesiologist: Pepper, Patricia MD Referring MD 3:

Indication(s):

ICD-9 Code(s)	Description
93.150	Accessory pathway mapping
93.340	Right ventricle ablation

- The nature and character of the proposed treatment or procedure.
- The anticipated results.
- Possible recognized alternative methods of treatment, including non-treatment.
- Recognized serious possible risks, complication, and anticipated benefits involved in proposed and alternative treatments including non-treatment.

Questions were answered to their satisfaction.

Consent signed by: Patient

Procedure Pause Time: 10:30:00 AM

Procedure(s) Performed

EP Procedure	Note
A-Fib Ablation	

Device	Status	Replacement Type
Pacer		

Ablation	Type	Technique
A-fib	Paroxysmal	AVN w/ Escape Rhythm

System: Cardio
Approach: Right Side

EP Equipment

Type	Insertion Site	Location
Deflectable 2 mm octopolar #7 French Webster	Right Femoral Vein	

Procedure Name : Pacer

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About LUMEDX: With over 500 heart center clients worldwide, LUMEDX is the market leader in fully integrated cardiovascular information and imaging systems and the No. 1 independent integrator of cardiology information solutions. LUMEDX offers the most proven, comprehensive package of clinical information tools, cardiovascular products, and services to help medical institutions enhance quality of patient care, reduce costs, streamline workflow, increase patient volume, and grow revenue.