



## SUBMITTING TO THE ACC-NCDR WITH CARDIO PULSE

The screenshot shows the 'Lab Visit' form in the CardioPulse software. It includes fields for Lab Visit Date (04/28/2009), Procedure Time (12:00:00), and various procedure-related checkboxes like 'Cath', 'Left Heart Cath', 'PCI', 'Other Procedure', 'IABP', 'IABP Timing', 'Contrast Agent', 'Total Fluoro Time', 'Fluoro Dose', 'Mechanical Vent Support', 'Support Timing', 'Access Site', 'Auxiliary 3', and 'Auxiliary 4'. A 'Coronary Anatomy' table is also visible, showing assessed and percentage data for different vessels. At the bottom, there is a 'Procedure Medications' table with columns for Medication Type, Medication Name, and Administration.

Medication Type	Medication Name	Administration*
Anticoagulants	Fondaparinux	Yes
Anticoagulants	Low Molecular Weight Heparin (any)	Blinded
Anticoagulants	Unfractionated Heparin (any)	No
Aspirin	Aspirin (any)	Contraindicated
Direct Thrombin Inhibitors	Bivalirudin	Blinded
Direct Thrombin Inhibitors	Direct Thrombin Inhibitor (other)	No
Glycoprotein IIb/IIIa Inhibitors	GP IIb/IIIa (any)	No

**Need Help?** Simply click on the desired field then click the “?” for an ACC defined data dictionary.

**ACC audit** buttons offer quality control options automating data compliance.



CardioPulse has been certified by the ACC since 1997. CardioPulse can interface with most Hemodynamic systems and all HL7 compliant hospital systems, which allows many fields to automatically flow into CardioPulse via other systems.

- Certified for current versions of Cath PCI and ICD
- Internet based delivery is cost effective and minimizes setup time
- Unlimited number of generic fields
- 5 Minutes to collect data from start to finish
- FREE** import of data from ACC shareware into CardioPulse

## THE CARDIOPULSE CONTROL CENTER & DROP DOWN MENUS

CAOS Clinical Control Center

Filters:  +  - Set Default User: KWOOD Exit CAOS Close

Events: CT Surgery 9 in list Procedure Site:

Use This Form:  Surgeon/Physician:

Find By: Field:  Date Range:  to  Status Field:

Additional Selection Options: Sort Search

The **Control Center (CC)** allows the end user to work with defined populations of patients. An unlimited number of often used population criteria called searches can be saved and one can be set as a default. End users can work with patient populations that mimic their workflow. This should help to make end users more productive and efficient entering patient data and documentation.

MRN	CAOS No.	UI/Record ID	Proc Date	Patient Name	Physician Name
4731991	109607	501271	8/9/2010	Dale E Murphy	Randy Metcalf, MD
2025152	109608	501279	8/9/2010	John L Smoltz	Randy Metcalf, MD
4023745	109609	501286	8/9/2010	Mary J Jones	Joseph A. Kuchler, MD
7742171	109610	501293	8/9/2010	Lisa M Simpson	Richard D. Gregory, MD
5554007	109611	501300	8/9/2010	John T. Bishop	Richard D. Gregory, MD

Cath Lab Data

2 - Presenting Information

PRESENTING INFORMATION

AON CAD Presentation # STEMI or Equivalent Card Shock <= 24 hrs # Yes Y N

Symptom Onset Date # 11/27/2010 Cardiac Arrest <= 24 hrs # Yes Y N

Symptom Onset Time Available # Yes Y N Stress or Imaging Studies # Yes Y N

Symptom Onset Time # Standard Exercise Test (No Imaging) # Yes Y N

List

Items in list CADPresent

- No Symptom, No Angina
- Symptom Unlikely to be Ischemic
- Stable Angina
- Unstable Angina
- Non-STEMI
- STEMI or Equivalent

Modify Cancel OK

Cardiomyopathy Pre-Op Eval. Before Non-Card. Surgery # Yes Y N

Stress Test Results # Risk of Ischemia # Echocardiogram # Yes Y No N

Risk of Ischemia # SPECT MPI # Yes Y No N

Risk of Ischemia # PECT MPI Results # Risk of Ischemia # Stress CMR # Yes Y No N

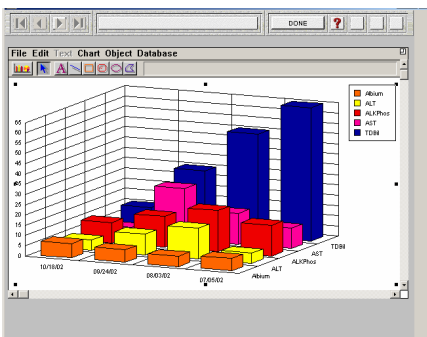
CMR Results # Risk of Ischemia # Cardiac CTA # Yes Y No N

CTA Results # Calcium Taken # Yes Y No N

Calcium Score #

### Need for speed?

- The **All Others No (AON)** button minimizes the total number of clicks as the end user only enters the fields that are yes.
- Every field in CardioPulse, where applicable, utilizes drop down menus and pick lists. Every effort has been made to minimize data input time.



### CardioPulse research environment

- All data is easily cross referenced
- Data is easily exportable to other research formats
- Unlimited Custom reports
- ACC submission easy as a button click

### Need additional data fields?

An unlimited number of generic fields may be added. These additional fields can be researched and reported on just like the standard CardioPulse fields.

## THE CARDIOPULSE ACC-NCDR DATABASE ADVANTAGE

- **Communication is everything** – Even amongst computers and software, communication is key to a solid relationship. CardioPulse supports interfaces with all major lab, scheduling, Hemodynamic and hospital ADT systems. Some of the vendors CardioPulse integrates with include: Philips/Witt, Datagate, Cerner, Midas, MediTech, SMS, GE, Siemens and McKesson.
- **Reporting** – Submitting data to the ACC-NCDR is as easy as a click of a button with CardioPulse but more importantly your vital patient information is available for internal outcomes reports and queries. Every field in the CardioPulse database can be compared, contrasted and queried against every other field. Your hospital can research trends and data for a better understanding of patient care.
- **The CardioPulse Specialty is also your Specialty** – CardioPulse has been dedicated solely to the field of Heart Care informatics since 1991. Cath Lab departments are dynamic and complex entities. This ever changing environment demands an informatics system that is uniquely qualified to capture data specific to Heart Care. Maintaining ACC and STS certifications, Interfacing with Hemodynamic vendors, understanding Heart Center work flow and terminologies are a full time effort and these are areas where our expertise clearly rises above our competitors.
- **Growth is Important** – CardioPulse was designed to provide a mechanism for our clients to submit data to the ACC, however, this functionality is only the tip of the iceberg. CardioPulse is a powerful tool capable of electronically running an entire Heart Center. Automated reports, HIPAA compliance, electronic signatures, electronic patient charts, outcomes reporting, elimination of transcription and paper charts are all advantages of the CardioPulse solution.
- **Teamwork** – It takes ongoing support and guidance for any software solution to be successful. The CardioPulse staff and our clients work on the same team towards common goals. We help our clients to be successful by providing continued training, Internet classes, quarterly newsletters, one on one technical support, (no automated telephone voice responses) and a staff that truly cares about the success of your software solution 24 hours a day, 7 days a week, 365 days a year.