



## SUBMITTING TO THE STS REGISTRIES WITH CARDIO PULSE

The screenshot shows a software window titled 'CT Surgery' with a '4 - Operative Info' tab. The interface is divided into several sections for data entry:

- Operative Information:** Hospital (CAOS), Date (04/23/2009), Age (30), Incidence (First cardiovascular surgery), Status (Emergent), Emergent Reason (Valve Dysfunction), Urgent Reason, Cost Link, Trial Link (Patient known to be in an IRB-approved clinical trial).
- Surgeon:** Name (Stephen Mills, M.D.), Referring MDs (Attend: Kipp Hollingsworth, MD; Card: Mark + SHL, M.D.).
- Canulation:** Aortic Occlusion Method (Aortic Crossclamp), Cross Clamp (62 Min), CPB Utilization (Combination), CPB Combo Box (Planned), CPB Unplanned Reason.
- Arteries/Coronary Arteries/Distal Anastomoses:** # of Arterial Distals (1), Anastomotic Device Used (Yes), Anastomotic Device Type (Clips), # of IMA Distals (2), # of Graft Distals (1), # of Radial Distals (2), Radial Harvest Technique (Direct Vision), Radial Harvest Time (15), # of Distal Veins (3), Vein Harvest Technique (Both), Vein Harvest Time (27), # of Other Arterial Distals (2).
- Other sections:** Circulatory Arrest, Cardiac Preservation, CABG, Arteries (IMA Artery Used, Technique for IMA Harvest, Radial Site).

**Need Help?** Simply click on the desired field then click the "?" for a STS defined data dictionary.

**STS Audit buttons** offer quality control options automating data compliance.

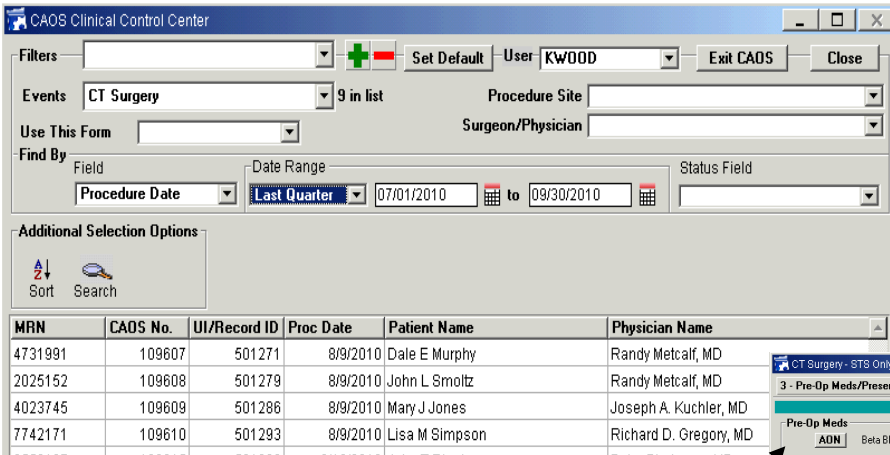


- Certified for all current versions of STS Adult Cardiac, Thoracic Surgery and Congenital Heart
- Internet based delivery is cost effective and minimizes setup time
- Unlimited number of generic fields
- 5 Minutes to collect data from start to finish
- FREE import of data from STS shareware into CardioPulse

### CardioPulse and the STS

CardioPulse has been providing STS certified software since 1998. The CardioPulse software provides functionality beyond STS submission with automated reports, electronic signatures, electronic faxing and a robust research environment. CardioPulse provides you functionality well beyond the requirements of the STS.

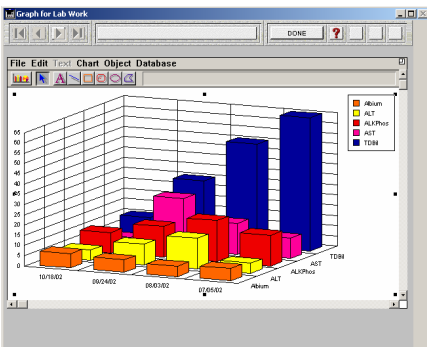
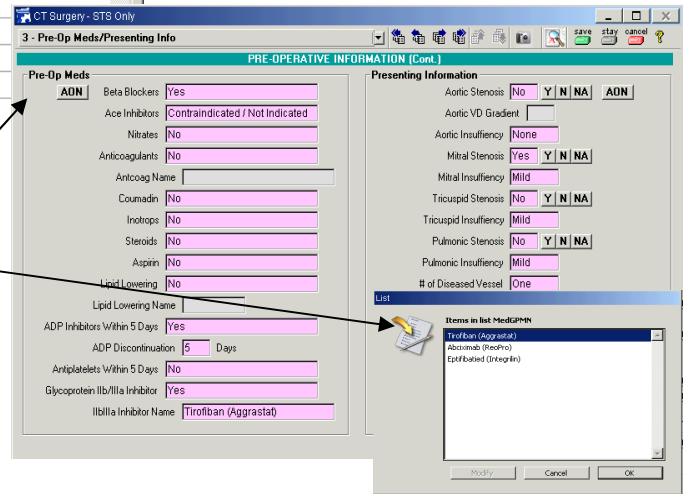
## THE CARDIO PULSE CONTROL CENTER & DROP DOWN MENUS



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.

### 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
- STS 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 CAOS STS DATABASE ADVANTAGE

- **Communication is everything** – Even amongst computers and software, communication is key to a solid relationship. CardioPulse supports interfaces with all major billing, lab, scheduling, Hemodynamic and hospital ADT systems. Some of the vendors CardioPulse integrates with include: Philips/Witt, Datagate, Cerner, Midas, MediTech, SMS, Quadromed, GE, Siemens and McKesson.
- **Reporting** – Submitting data to the STS 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 began in the field of Cardiothoracic Surgery informatics in 1991. We have grown and expanded into supplementary care such as Thoracic and Vascular Surgery. Cardiothoracic & Thoracic Surgery departments are dynamic and complex entities. This ever changing environment demands an informatics system that is uniquely qualified to capture data specific to Cardiac and Thoracic Surgery. Maintaining STS certifications, interfacing with hospital enterprise and practice management systems, understanding surgical work flow and terminologies are a full time effort. 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 STS, 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.