

ROC Epistry



***OPALS PRG Annual Meeting
Ottawa 2006***


3. Project Updates: ROC Epistry



A prospective, population-based, epidemiologic **data registry** of patients seen by EMS providers:

- Life-threatening trauma
- Cardiac arrest

Complete this form:
 - any episode where EMS performed CPR (any compressions)
 - for any episode where the ITD was removed from its sealed packaged (even if not used).
 Main data source: PCR
 Other data resource: Dispatch


ROC
CARDIAC BLOOD FLOW TRIAL

Patient Enrollment
Page 1 of 1

Episode Information:

Date: / /
(mm/dd/yyyy)

Time call received at dispatch (24hr clock): : : (hh:mm:ss)
 Time is: estimated
 from dispatch

Incident Number (from EMS report):
 Episode ID:
Always use this Episode ID when referring to this Episode

1) EMS response:

Arriving vehicle	Agency name	Agency #	Time of arrival 24 hours (hh:mm:ss)	ITD Opened		ITD Used		ITD #
				Yes	No	Yes	No*	
1st	<input type="text"/>	<input type="text"/>	<input type="text"/> : <input type="text"/> : <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
2nd	<input type="text"/>	<input type="text"/>	<input type="text"/> : <input type="text"/> : <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>

3. Project Updates: ROC Epistry



Primary aims:

- **A comprehensive ongoing data infrastructure to facilitate ROC clinical trials**
- **Define the incidence and outcome of major trauma and out-of-hospital cardiac arrest**
- **Describe the relationships between resuscitation performance and EMS structure**
- **Evaluate relationships between outcome and patient, EMS, regional, and temporal factors**

3. Project Updates:

- ROC Epistry



- Will become world's largest traumatic injury and cardiac resuscitation data sets:
 - ▶ 10,000/year major trauma
 - ▶ 17,500/year cardiac arrest
- Opportunity to develop and assure quality of data collection and communication systems among EMS systems, sites, and DCC
- Will facilitate subsequent clinical trials where timely acquisition of quality data is essential

3. Project Updates: ROC Epistry



- **Launched in December 2005**
- **EMS providers are becoming familiar with rigorous data gathering and quality control**
- **ROC DCC staff conducted field visits to all sites to review sample cases**
- **Employs both web-based or batch upload data entry**
- **Comprehensive operations manual with detailed definitions of all variables**

Epistry Update

October 23 2006



- **15,135 cases enrolled overall**
 - ▶ 58% of estimated annual enrollment
 - ▶ One site has just received IRB approval

- **3,825 trauma cases**
 - ▶ 59% completed
 - ▶ median time to completion 66 days

- **11,310 cardiac arrest cases**
 - ▶ 62% completed
 - ▶ median time to completion 55 days

