

Pediatric Acute Lung Injury: Demographics and Biochemical Mediators and their Relationship to Outcome

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Synopsis:

This study has involved two patient accrual periods. First, patients were identified from July 1996 through May 2000 at Children's Hospital and Research Center at Oakland (CHRCO) and from July 1996 through June 1998 at the University of California Medical Center, San Francisco. There were 320 patients that met ALI/ARDS criteria during this time period for a total of 328 admissions. There has been one publication in relation to this data and one manuscript currently in preparation. There is also one abstract to be presented this spring at the World Congress of Pediatric Intensive Care. Additional post-hoc analyses may be completed in the near future as well with publication pending the results.

From this group of patients, 88 patients consented to use of discarded blood specimens for various biochemical marker measurements. There has been one publication in relation to this data and one manuscript in preparation as well. Additional post-hoc analyses may be completed in the near future as well with publication pending the results.

A second database was initiated from August 2002 through May 2005. There were 214 patients enrolled in this database. These data have not been analyzed yet. From this group of patients, 76 patients have consented to use of discarded blood specimens for various biochemical marker measurements. There is one abstract to be presented this spring at the Society for Pediatric Research meeting.

As of March 2007, we are attempting to contact families to ask for permission to study discarded blood samples. For this reason, we are re-opening the study to enrollment. We have a total of 21 potential additional subjects.