



# County of San Diego

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PUBLIC HEALTH SERVICES

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PUBLIC HEALTH OFFICER

June 13, 2011

Daniel R. Smiley, MPA  
Acting Director, Emergency Medical Services Authority  
10901 Gold Center Drive  
Rancho Cordova, CA 95670-6073

Dear Mr. Smiley:

### ROC PREHOSPITAL LACTATE TRIAL STUDY

This is to inform you the Resuscitation Outcomes Consortium (ROC) investigators are beginning a study of prehospital lactate for the identification of shock in trauma among selected prehospital units who routinely take patients to two participating hospitals: UC San Diego Medical Center and Scripps Mercy Hospital. A study summary presented to the Data Safety Monitoring Board is included and provides detailed information on the study. It has been approved by the relevant IRBs.

The BLAST trial for lactate is an observational trial in two parts. The medics who are transporting the major trauma patient will do the field Point of Care (POC) testing with the blood obtained from the stylet of the IV start, just as the glucometer is done, no additional bloods needed. The second part is that the hospitals also do a POC meter test with the meters they have been provided by ROC. The hospitals also send a specimen to the laboratory.

SDFD/Rural Metro identified 21 units they felt would transport major traumas to these facilities. Since this was not the full agency participating, Rural Metro identified which medics would be on these units and provided the training.

Training was performed in two stages. The first part was a PowerPoint presentation which was standardized for all participating ROC sites, then modified for local needs. A voice over for the PowerPoint was performed and posted to the online training site. Upon completion of the PowerPoint there was an online test which needed to be passed before the first part of the training could be considered complete. Once this part was

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finished, Rural Metro/ROC personnel went to the stations and did a hands-on training with the medics so that questions could be answered and the trainers were sure medics knew how to use the device.

The Clinical Trial Center at the University of Washington approved trial start once 80% of all training was completed. The training will soon be completed with the remaining medics. Enrollment has just begun. The training includes notifying the ROC office hotline (7/24 message line) with each enrollment.

The medics are blinded to the results by tape over a portion of the meter until they complete the transport to the hospital. They will then restart the meter, lift the tape and locate the results. The meter reading is documented in the PCR and called into the local ROC hot line when notifying the center of the enrollment.

The meters have, attached to their cases, laminated cards with pertinent information (Enrollment Criteria, Exclusion Criteria, how to use the meters, whom to call about an enrollment, telephone number etc.). The meters will go through a weekly check and monthly inventory. Any issues or problems will be handled by ROC center staff.

Please let me know if you have any questions or comments. We will submit project reports at 18 months or sooner if appropriate. Thank you for your assistance.

Sincerely,



Bruce E. Haynes, M.D., Medical Director  
Emergency Medical Services

BH:kc