

Today's and Tomorrow's Children Fund Semi-Annual Update

Telemedicine with Echocardiography (Heart Ultrasound) for Real-time Evaluation of Newborns

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TTCF funding has been remarkable for me. Since receiving your critical support for this Telemedicine (TM) project, I have begun to formalize support from the sections of information technology (IT), hospital administration, the Department of Pediatrics and the Division of Pediatric Cardiology. In the upcoming months, I anticipate implementation of an exciting and novel pediatric cardiology telemedicine outreach program.

To date, I have been thoroughly evaluating various clinical telemedicine options for our use within Pediatric Cardiology. I have met and developed relationships with the main personnel from the Hospital, the medical school, and the various IT departments. I have attended one conference and will arrange to attend several others. I helped to organize and spoke at UCLA's first ever telemedicine symposium which was sponsored by all the areas listed above. In addition, we submitted a telemedicine grant to the California Healthcare Foundation (CHCF) in conjunction with Mrs. Debbie Landau Corlin from the Department of Pediatrics. This grant application was a joint effort with the Anderson School of Business and is focused on the financial side of TM relationships.

We have also developed various approaches toward receiving proxy-credentialing at off-campus facilities several different technologies have been evaluated by me and my colleagues including hand-held echo devices and web-based live echo boxes which can be placed on off-site echo machines. An additional Ethernet drop order has been placed in my echocardiography laboratory with installation hopefully to be achieved shortly.

Thank you for your support of this important new approach toward improving the early detection and diagnosis of congenital heart disease. Please contact me anytime should you wish to discuss further any aspect of this exciting, cutting edge area of medicine.

Scientific Presentation:

Remote Pediatric and Fetal Echocardiography. UCLA Telemedicine/Tele-healthcare Symposium. UCLA Healthcare Enterprise. November 2010.

Grant:

Pediatric Cardiology Telemedicine for Newborns in Rural Areas. California HealthCare Foundation. Projected budget: \$ 38,486. PI – Gary Satou, M.D. Submitted.

Plans for the next 6 months:

- Continuing self-education and development
- Completion of proxy credentialing
- Purchasing technology
- Initiation of real-time and/or store-and-forward echocardiography