

## **Today's and Tomorrow's Children Fund Progress Report**

### ***Omega-3 Fatty Acid and Parenteral Nutrition Associated Liver Disease***

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Earlier this year members of Today's and Tomorrow's Children's Fund awarded our multidisciplinary team a grant to support the study of Omega-3 Fatty Acid and Parenteral Nutrition Associated Liver Disease. Over the past six months, in large part thanks to this funding, our UCLA team of researchers has been able to care for nine children on Omegaven. The results thus far have been exceptional with over three-quarters of the children showing reversal of their liver disease and an equal number avoiding liver + intestinal transplantation. With this support we have been able to expand our inclusion criteria and have drawn referrals from centers throughout California. Members of our team were also able to attend the VI<sup>th</sup> International Pediatric Intestinal Failure and Rehabilitation Symposium where we presented our results to experts in the field and helped in the planning of a prospective trial and NIH grant proposal for the multi-center Pediatric Intestinal Failure Consortium. As part of this consortium we have submitted an abstract to be presented at the Digestive Disease Week 2011 conference. We have also received invitations to publish review papers on Intestinal Failure associated Liver Disease and new modalities of treatment for two prominent medical journals *NeoReviews* and *Current Opinion in Organ Transplantation*.

In the coming six months we anticipate enrolling an additional ten children in our FDA and UCLA Institutional Review Board approved protocol. We are in the process of collecting data on each of these patients to help us better understand the mechanisms involved in parenteral nutrition associated liver disease and its resolution. Members of our UCLA team have also applied for additional funding from two private organizations: the Oppenheimer Foundation and the American Liver Foundation. We are deeply appreciative of the support of Today's and Tomorrow's Children's Fund over these past six months and look forward to another successful six months to come.