

Diabetic Complications Consortium

Application Title: Clinical and Biochemical Biomarkers to Predict DFU Healing

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1. Project Accomplishments:

The project is progressing well. We have completed 33 subjects and an interim analysis of the Hyperspectral images is under way. We expect to have the results soon.

We have also collected blood samples and we plan to analyze them in the very near future.

2. Specific Aims:

- 1. Specific Aim 1. To employ a newly designed handheld, battery operated, portable device (The HyperView, HyperMed Inc.) to develop algorithms that can predict DFU healing.*** We have analyzed the data and we have sent it to the biostatistician. We expect the results over the next few weeks.
- 2. Specific Aim 2. To develop multiplex assay panels which will measure previously identified cytokines and growth factors that are associated with DFU healing and develop prognostic algorithms.*** We plan to perform this analysis by the end of summer.
- 3. Specific Aim 3. To compare the above techniques with the predictive value of changes in the DFU size over a 4-week period.*** Work is ongoing as in Aim 1.

3. Publications:

There no publications at this point.