



**Study to Understand the Genetics of  
the Acute Response to Metformin and  
Glipizide in Humans**

Massachusetts General Hospital  
Broad Institute of Harvard and MIT  
University of Pennsylvania

Dear Practitioner,

I am writing on behalf of Jose Florez, M.D., Ph.D. and his research team to ask if you would be willing to assist us in our research study on type 2 diabetes. We are hoping to recruit volunteers who have either early type 2 diabetes (diet-treated only) or are at risk of developing it.

The Study to Understand the Genetics of the Acute Response to Metformin and Glipizide in Humans (SUGAR MGH) will examine whether genetic polymorphisms that have been associated with the disease play a role in the effectiveness of the drug treatment. We will be testing two anti-diabetic drugs, metformin and glipizide, as well as examining the genotypes of two (or more) diabetes genes.

We would appreciate if you would assist us in contacting some of your patients you believe to be eligible and potentially interested in participating. Among other things, the potential research subject must also have normal renal function and no history of liver disease. We believe that the study will have numerous benefits not only to patients with diabetes, but serve as a useful paradigm for other drug treatments as well.

The compensation subjects will receive for the study will include a free lunch and \$100 upon completion. There are two visits of five and three hours respectively, and we require that they take a single 5 mg dose of glipizide on the first visit, and four 500 mg doses of metformin prior to and during the second visit. In addition, the volunteers will have blood drawn and be monitored with fingersticks to ensure they are maintaining safe glucose levels.

We appreciate your interest and are grateful for your time. If you or your patients' have any questions regarding the study please feel free to contact either Dr. Florez at 617-643-3308 ([jcflorez@partners.org](mailto:jcflorez@partners.org)) or Alicia Hernandez at 617-643-4985 ([amhernandez@partners.org](mailto:amhernandez@partners.org)). Thank you in advance for your assistance.

Sincerely,

Jose C. Florez, M.D., Ph.D.

Alicia M. Hernandez, B.S.