

## Do any of your patients present with atypical diabetes?

There is more to diabetes than just type 1 and type 2.  
Your patients may qualify for a study to learn more!

### What is PDMP?

- The Personalized Diabetes Medicine Project (PDMP) was designed to develop and evaluate the impact of a sustainable way to detect, diagnose and promote personalized treatment of monogenic diabetes.

### What is monogenic diabetes?

- A form of diabetes caused by a mutation in a single gene that is typically inherited in a dominant manner
- It represents about 1-2% of all diabetes, or at least 500,000 cases in the US.
- Treatment options and prognoses for monogenic diabetes often differ from those for type 1 and type 2 (e.g., pills or no treatment instead of insulin).
- ~95% of cases of monogenic diabetes are misdiagnosed, and many patients receive the wrong treatment.

### Whom should you refer to PDMP?

- Diabetes  $\leq$  1 year old
- Non-type 1 Diabetes Mellitus  $\leq$  30 years old
- Non-type 1 Diabetes Mellitus  $\leq$  45 years old, not extremely overweight at diagnosis, and have two or more relatives (1<sup>st</sup> or 2<sup>nd</sup> degree) with diabetes  $\leq$  50 years old
- Type 1 diagnosis with parent or child with type 1 diabetes
- Diabetes in addition to hearing, visual, or cognitive impairment, birth defects or kidney disease in childhood
- Non-diabetic with a fasting glucose  $\geq$  100 mg/dl during pregnancy, with a pre-pregnancy BMI < 25
- Any diabetic patient whom you suspect to have a highly penetrant genetic form of diabetes

### Why make a referral?

- Possible molecular confirmation of a clinical diagnosis of monogenic diabetes for your patient.
- Potential to alter your patients' therapy to improve their blood sugar control and quality of life.
- Help discover family members at risk for having monogenic diabetes.

### How to refer your patients to PDMP?

- Obtain permission from the patient for the study team to contact them. Send the patient name and contact information, plus a brief description of why you suspect monogenic diabetes to the PDMP Study Team. Patient information can be sent to our secure fax at 410-706-4060, or if you can send secure, encrypted email to [ppgm@medicine.umaryland.edu](mailto:ppgm@medicine.umaryland.edu). Email us for confirmation of referral receipt.
- For further questions, contact the study investigator, Toni Pollin, MS, PhD, CGC at [tpollin@medicine.umaryland.edu](mailto:tpollin@medicine.umaryland.edu) or 410-706-1630 or the study coordinator at 410-706-6140.

### Want to learn more about monogenic diabetes?

- Monogenic Diabetes Research and Advocacy Project: <http://medschool.umaryland.edu/endocrinology/mdrap.asp>
- University of Exeter Monogenic Diabetes Site: <http://diabetesgenes.org/>
- My46 Trait MODY Trait Profile: <https://www.my46.org/learning-center/traits> (Search for "maturity-onset diabetes of the young")
- National Diabetes Information Clearinghouse: <http://diabetes.niddk.nih.gov/dm/pubs/mody/>
- University of Chicago Diabetes Center: <http://monogenicdiabetes.uchicago.edu/2015/10/02/gene-corner-2/>