Diabetes and Pregnancy

A PATIENT’S GUIDE

Most women with diabetes can have a safe pregnancy and delivery if they have tight blood sugar (glucose) control before becoming pregnant. However, blood sugar that is not well controlled can lead to health problems for the expectant mother and her baby.

It is important that women with type 1 or type 2 diabetes receive good health care both before and throughout pregnancy. Regular visits to a diabetes specialist will help these women achieve and maintain good blood sugar control, let their doctor find and treat any problems before becoming pregnant, and learn how to prevent pregnancy complications.

Women with gestational diabetes also need special care during pregnancy. This is a temporary type of diabetes that can occur during pregnancy.

This guide for patients comes from The Endocrine Society’s 2013 clinical practice guidelines for physicians about the care of pregnant women with diabetes: type 1, type 2, and gestational.

What problems can occur in pregnant women whose diabetes is not well controlled?

High blood sugar can harm your unborn baby. Pregnant women with high blood sugar are more likely to:

- Have a baby with birth defects, if blood sugar is not in control during the first two months of pregnancy
- Have a miscarriage or a stillborn baby
- Develop high blood pressure and too much protein in the urine, a condition called preeclampsia
- Give birth too early—have a premature baby
- Need a C-section (cesarean delivery) or have a difficult delivery, because high blood sugar can cause the baby to grow too large in the womb

Tight blood sugar control can help you avoid these problems.

How should you plan for pregnancy if you have diabetes?

If you have diabetes and want to have a baby, get a checkup before becoming pregnant. Ideally, your partner should join you, and you should see a team of health care providers that includes your diabetes specialist, a diabetes educator, a dietitian, and an obstetrician.

At this visit, the health care team will counsel you on what your target blood sugar range should be, as well as your hemoglobin A1C. Sometimes called A1C, this test shows your average blood sugar levels over the past few months. The care providers also will discuss whether you should change your diabetes treatment. If you receive insulin therapy, it is best to use an insulin pump or multiple daily injections of insulin. Pre-mixed insulin is less likely to help you maintain your target blood sugar range. This type of insulin is a mix of a mealtime (bolus) insulin and an intermediate-acting insulin.

You also will learn what you should do before pregnancy to have the best chance for a healthy baby. Experts recommend the following:

- **Take a daily folic acid supplement.** This vitamin helps lower the risk for having a baby with birth defects of the brain and spinal cord, such as spina bifida. Take a dose of 5 milligrams (mg) a day (or whatever your doctor advises) starting three months before you try to get pregnant.
- **Get an eye exam.** See an eye doctor to find out if you have diabetic eye disease (retinopathy). If you do, your doctor may want you to get treatment before you try to conceive because this eye disease can get worse during pregnancy.
- **Control your blood pressure.** Your blood pressure should be normal or close to it—below 130/80 mm Hg (said as “130 over 80”).
- **Lose weight if you are overweight.** Being obese or overweight raises the chance of problems during pregnancy.
- **Ask your doctor if you should stop taking any of your medicine or change to a different medicine.** Certain
Medical nutrition therapy. You should see a dietitian for nutrition therapy. This healthy eating plan, tailored to you, helps make sure you get the nutrients you need and gain the right amount of weight, while controlling your blood sugar. The dietitian may suggest you limit the amount of carbohydrates, or “carbs” (for instance, potatoes, bread, and fruit), that you eat. It is a good idea to eat three small meals and two to four snacks a day. Your dietitian also will advise how often to eat and how many calories to eat a day.

Vitamins. Your doctor likely will decrease the dose of folic acid you take once you finish your first trimester of pregnancy (week 12). Most often, the recommended dose of folic acid is 0.4 mg (400 micrograms) to 1 mg per day through the rest of pregnancy and until you stop breastfeeding. Ask your doctor what other prenatal vitamins you need.

Will you be able to breastfeed?

Women with diabetes are encouraged to breastfeed their baby. Breastfeeding lowers your baby’s risk for childhood obesity and for type 2 diabetes later in life. Women with gestational diabetes have an increased risk of developing type 2 diabetes; breastfeeding seems to lower that risk. It also may help you lose the weight you gained during pregnancy!

Insulin is safe for breastfeeding women. If you take metformin or glyburide pills to treat type 2 diabetes, you can safely continue taking these medications while breastfeeding.

What can you do to help have a healthy baby?

You can help ensure your baby’s health and your own health. Work with your obstetrician and your diabetes specialist to receive proper medical care before, during, and after pregnancy. Take your diabetes medicine as prescribed and keep your blood sugar in control. Follow the healthy eating plan that you made with your health care team. Also, be physically active. Ask your doctor what type of activity is best for you.

RESOURCE FOR PEER SUPPORT DURING PREGNANCY

Diabetes Sisters, a non-profit organization: diabetessisters.org