Methamphetamine/Dextroamphetamine and Pregnancy

This sheet talks about the risks that exposure to methamphetamine or dextroamphetamine can have during pregnancy. With each pregnancy, all women have a 3% to 5% chance of having a baby with a birth defect. This information should not take the place of medical care and advice from your health care provider.

What is dextroamphetamine or methamphetamine?

Dextroamphetamine is a legal prescription medication that is used for attention deficit hyperactivity disorder, sleep disorders, and as an appetite suppressant. It is an effective treatment for these disorders. Dextroamphetamine is also used illegally as a “recreational drug”.

Methamphetamine, also called “meth”, “crank”, “speed” and “ice”, is sometimes prescribed by a physician, but is usually used illegally. Methamphetamines can be smoked, snorted, swallowed, injected, or inhaled. Methamphetamines work by exciting the brain with chemicals that can make people “feel good”. The drug acts as a stimulant, causing a fast heart rate, sweating, loss of appetite, hallucinations, anxiety, paranoia, trouble sleeping and dizziness. Methamphetamine overdoses can cause death or brain damage, and chronic use can cause many health problems. Methamphetamines are very addictive.

Is it safe to use amphetamines or methamphetamines in pregnancy?

Dextroamphetamine, when used for medical reasons, appears to have a low risk for birth defects. However, there are very few studies on prescription use and potential obstetrical or intellectual/behavioral problems in the exposed infants. You should speak with your doctor about whether your condition necessitates the use of dextroamphetamine during pregnancy. In some cases, women are able to taper off the drug and then restart the medication after the pregnancy is over. Use of dextroamphetamine as an appetite suppressant is rarely indicated in pregnancy.

Illegal (high dose) dextroamphetamine and methamphetamine should not be used in pregnancy. They can cause miscarriage, prematurity, and problems in the newborn period including jitteriness and trouble sleeping and eating. Babies can also show more persistent abnormal neurological signs including tremors and too much or too little muscle tone; these symptoms can last for several months.

How much dextroamphetamine or methamphetamine does it take to cause problems?

You should take dextroamphetamine in the dose prescribed by your physician. They will try to keep the dose as low as possible while still appropriately treating your condition.

There is no known safe level of methamphetamine. Since it is an agent of abuse, it is recommended that it be avoided completely during pregnancy. In addition, your baby’s organs develop at different times, and your baby’s brain is developing during your whole pregnancy. Therefore, use at any time in pregnancy could cause problems.

How can methamphetamines hurt my baby?

The best studied problem in babies prenatally exposed to methamphetamines is being born too early and too small. Babies that are born too early can have problems with many of the systems of their body because they have not finished developing. They are at risk for life-long breathing, hearing, vision, and learning problems. Babies that are born too early are more likely to die as infants. There is also some evidence to suggest methamphetamines can increase the chance for sudden infant death syndrome (SIDS), even in babies not born early.

There is conflicting evidence on whether methamphetamines increase the chance of birth defects. However, most studies do not find an increased risk for this problem. It is not known whether prenatal exposure to methamphetamines can cause behavioral or intellectual abnormalities in older children. Some studies show children whose
mothers used methamphetamines have more trouble in school, and more behavior problems. These problems could be caused by other reasons, but methamphetamines in pregnancy could play a role.

Will my baby be born addicted to methamphetamines?

If a woman uses methamphetamines later in her pregnancy, babies can show signs of withdrawal after they are born. Symptoms include trouble eating, difficulty sleeping or sleeping too much, being very floppy or very tight, and being very jittery. Withdrawal symptoms usually go away within a few weeks, but may require that the baby be admitted to the special care unit for newborns and remain in the hospital for a longer period of time. Some babies show abnormal neurological signs, including tremors and too much or too little muscle tone, for many months. In many cases these symptoms go away on their own, but these babies can benefit from school-based programs such as infant stimulation or physical therapy.

What if I use other drugs besides methamphetamines?

Many women who abuse methamphetamines also use other drugs, alcohol, or cigarettes. The risk to have a baby with problems is higher when methamphetamines are used with other drugs, cigarettes and/or alcohol. These drugs individually can also cause miscarriage, prematurity, small size, and sometimes learning problems and birth defects.

How can I know if methamphetamines have hurt my baby?

The very best thing that you can do is to stop using methamphetamines and other drugs and alcohol, and to tell your doctor about what you have taken during your pregnancy. Your doctor can offer you a detailed ultrasound to look for birth defects. Your doctor can also help you find treatment or help. There is no pregnancy test that can look for learning problems, and ultrasound exams cannot see all birth defects. Once your baby is born, you should also tell your pediatrician about your history. This way they can look for early warning signs of problems, and get your baby extra help if needed.

What happens if I use dextroamphetamine or methamphetamines while I breastfeed?

Dextroamphetamine and methamphetamines get into breast milk, and are found in the baby’s body and urine. We do not know if this causes the baby to have problems, but the American Academy of Pediatrics recommends that amphetamines not be used while breastfeeding.

What if my baby’s father was using dextroamphetamine/methamphetamines when I got pregnant?

There is no evidence to suggest that amphetamines in the semen increase the risk of birth defects. However, since sperm take about 3 months to develop, it would be safest for men to not use amphetamines for at least that long when they are planning a pregnancy.

September 2005.
Copyright by OTIS.
Reproduced by permission.

References:


If you have questions about the information on this fact sheet or other exposures during pregnancy, call OTIS at 1-866-626-6847.