

Information for our patients who conceived using in vitro fertilization (IVF)  
or IVF with intracytoplasmic sperm injection (IVF-ICSI)

In pregnancies that have been conceived using IVF (with or without ICSI) there are reports suggesting that there may be an increased risk of two genetic conditions: Beckwith-Wiedemann syndrome (BWS) and Angelman syndrome (AS).

Beckwith-Wiedemann syndrome is characterized by:

- Overgrowth (large body size)
- Enlarged tongue
- Increased risk for specific types of birth defects (omphalocele)
- Low blood sugar after birth
- Increased risk for certain types of tumors in childhood

Angelman syndrome is a condition characterized by:

- Severe mental retardation
- Severe speech impairment
- Problems walking (gait ataxia)

Further studies need to be performed in order to determine whether this is a real association and, if so, the magnitude of this risk. However, if the risk for these rare genetic conditions is greater in the IVF population than in the general population of children, it is unlikely to be higher than a 1% risk. If you are planning invasive prenatal testing, such as CVS or amniocentesis for any reason, testing your baby for BWS and AS can be requested and be done on the same sample without additional risk to your baby or you.

You may have questions regarding insurance coverage for BWS and AS testing. Each insurance policy is different, and your insurance company may have a contract with a particular laboratory. Please check with your insurance carrier to determine, with certainty, if they will pay for this test. The genetic laboratory cost is approximately \$475 for AS and \$388 for BWS testing, in addition to the cost of your CVS or amniocentesis.

\_\_\_\_\_ Yes, I would like more information about BWS & AS testing.

\_\_\_\_\_ No, I am not interested in testing for these conditions.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date