

Translated Research Article in Plain Language

- ?** What is the name of the study?
Clinical outcomes following prenatal diagnosis of asymmetric ventriculomegaly, interhemispheric cyst, and callosal dysgenesis (AVID)
 or - What happens in babies that have a brain condition called AVID found before they are born?
- ?** Who are the authors of the study?
 Karen Y. Oh M.D.¹, Thomas J. Gibson M.D.¹, Joseph D. Pinter M.D.², David Pettersson M.D.¹, Brian L. Shaffer M.D., Ph.D.³, Nathan R. Selden M.D.⁴, Roya Sohaey M.D.¹
- ?** What was the goal of this study?
 The goal of this study was to look at a group of 15 babies found to have AVID and see how their births, health and development were affected by this condition.

Key Words:

AVID: A group of abnormalities in how the brain forms, sometimes found before birth.

Developmental Disabilities: Disabilities that usually happen before or just after birth and affect the child's growth and development.

Genetic Conditions: Genes carry the information that determines your traits, which are features like hair color that are passed on to you from your parents. Sometimes changes in genes may cause a disease or condition. A change in genes does not always mean that a person's health will be affected.

What did we find?

The babies who were born and lived beyond 10 days had a variety of disabilities. All babies in the study needed surgery for too much fluid in the ventricles, the special cavities or containers that hold this special fluid inside the brain. Disability was a result of many different developmental disabilities and genetic conditions.

What did we learn?

What happens to babies found to have AVID can be different in every case, and the causes can also be different. Their health and development can get better over time, but all the babies studied needed to be cared for by medical specialists. Planning for extra support for families and preparing hospitals for when the babies are born is important for increasing the chance for better health and development.

Why is this important?

When babies are found to have AVID their mothers will talk with doctors. They talk about good care for the rest of the pregnancy and preparing for the baby's birth and all the care that will be needed after birth. These findings show that children born with AVID can have important medical and surgical needs, but it does not have to be a life-ending finding.

Authors are from OHSU: 1. Radiology, 2. Pediatrics, 3. Department of Obstetrics and Gynecology, Maternal Fetal Medicine, 4. Neurological Surgery

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