

HOPE for HIE

AWARENESS . EDUCATION . SUPPORT



WHAT IS HIE?

HYPOXIC.
Lack of oxygen

ISCHEMIC.
Restricting blood flow

ENCEPHALOPATHY.
Affecting the brain

HOW MANY BABIES ARE DIAGNOSED WITH HIE?



HIE occurs in 2-3 per 1,000 Live births



HIE

can be caused by issues before, during or after birth

SOME OF THE COMMON CAUSES OF HIE INCLUDE:

- ▶ PLACENTAL INSUFFICIENCY
- ▶ UTERINE RUPTURE
- ▶ PLACENTAL ABRUPTION
- ▶ TRUE UMBILICAL KNOTS
- ▶ CORD COMPRESSION
- ▶ MATERNAL BLOOD CLOTING DISORDERS
- ▶ FETAL MATERNAL HEMORRHAGE
- ▶ EXTREMELY LOW MATERNAL BLOOD PRESSURE
- ▶ TRAUMA DURING DELIVERY
- ▶ PLACENTAL BLOOD CLOTS
- ▶ SHOULDER DYSTOCIA
- ▶ CORD PROLAPSE
- ▶ ANEURYSM RUPTURE
- ▶ CARDIAC ARREST AND NEAR SIDS EVENTS

HIE CAN CAUSE OTHER CONDITIONS

Cerebral palsy, epilepsy, vision and hearing loss, speech delays, intellectual impairment, feeding issues and global delays, just to name a few. There are many treatments available for these conditions.



How Does Hypothermia Therapy Work?

Babies with Hypoxic-Ischemic Encephalopathy (HIE) undergo cooling. But What does the process look like, and how does it help stop the spread of brain damage?



Using a cooling cap or blanket, a newborn's body temperature is lowered to 33.5 degrees Celsius.



The newborn's body temperature is lowered for 72 hours.



Decreased body temperature slows the baby's metabolic rate.



Cells are able to recover, preventing the spread, severity and permanence of brain damage.

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