PETALS NEWBORN & CHILDREN HOSPITAL

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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?





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 KNOTSCORD COMPRESSION
- MATERNAL BLOOD CLOTTING DISORDERS
- FETAL MATERNAL HEMORRHAGE
- EXTREMELY LOW MATERNAL BLOOD PRESSURE
- TRAUMA DURING DELIVERY
- PLACENTAL BLOOD CLOTS
- SHOULDER DYSTOCIACORD PROLAPSE
- ANEURYSM RUPTURE
- CARDIAC ARREST AND NEAR SIDS EVENTS

HIE CAN hearing inteller issues of few. available 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

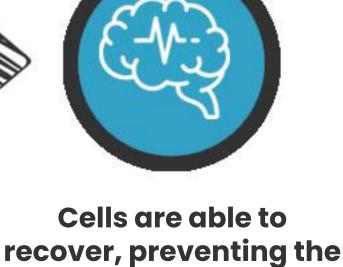
stop the spread of brain damage?



degrees Celsius.







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

Decreased body temperature slows the baby's metabolic rate.

spread, severity and permanence of brain damage.

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