

# Misclassified or misunderstood: what does Anencephaly really mean?

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### Background



- Incomplete development of the cranium
   Abnormal shaped skull exposing brain tissue
   Genetic disruption of tissue that is responsible for forming bone



- Partial development of herniated brain tissue
   Exposure of brain tissue to amniotic fluid
   Mechanical and chemical damage to brain tissue



- Prolonged degradation of brain tissue

  Mostly/completely absent brain tissue and cranium

  Any remaining brain tissue is underdeveloped and non-functional





### 1. Acrania



3. Anencephaly
e AEAS sequence. The prolonged expresence of the forebrain with little or no curres. This condition is commonly diag



2. Exencephaly

# Summary table

| Stage          | Cranium        | Brain tissue  | Key sign          | Gestation                 |
|----------------|----------------|---------------|-------------------|---------------------------|
| 1. Acrania     | Absent/partial | Present       | Beret sign        | 10-11 weeks               |
| 2. Exencephaly | Absent         | Disorganised  | Mickey mouse sign | 11-15 weeks               |
| 3. Anencephaly | Absent         | Mostly absent | Frogs-eyes sign   | 2 <sup>nd</sup> trimester |

## Further information

### Contact



