

如何早期辨認高危險新生兒

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- 醫師應藉由病史，早期辨認高危險新生兒以及了解其可能合併的問題，給予必要的治療及預防，以期能有較好的預後以及較少的後遺症。
- 產前母體的狀況

Maternal conditions at prepartum	Possible Problem
1. Maternal age > 40Y/O	Chromosome anomaly, SGA
2. Maternal age < 16Y/O	Preterm delivery, toxemia, child abuse
3. Low social level	Preterm delivery, IUGR, infection, high perinatal mortality
4. Poor nutrition	Mild IUGR
5. Smoking	IUGR, high perinatal mortality
6. Alcohol and narcotic agent addition	IUGR, fetal alcohol syndrome, drug withdrawn, congenital anomaly, sudden infant death
7. Expose to X-ray and certain drugs	Congenital anomaly, IUGR
8. Cardial or pulmonary disease	Preterm delivery, IUGR
9. Anemia	Preterm delivery, IUGR, neonatal asphyxia, hydrops
10. Hypertension or toxemia	Preterm delivery, IUGR, neonatal asphyxia
11. Renal disease	IUGR
12. UTI	Preterm delivery, sepsis
13. Diabetes	Hyaline membrane disease, hypoglycemia, hypocalcemia, congenital anomaly, polycythemia
14. Thyroid disease	Hypothyroidism or hyperthyroidism
15. Early bleeding	Preterm delivery
16. Late bleeding	Anemia
17. Antibody to fetal RBC	Anemia, jaundice
18. Antibody to fetal platelet	Hemorrhage
19. "TORCH" infection	Congenital infection, preterm ; IUGR
20. PROM	Sepsis
21. Low estriol in urine	IUGR
22. 過去有先天異常的小孩	Congenital anomaly
23. Trauma	Preterm delivery, anemia

- 產前胎兒的狀況

Fetal Conditions	Possible Problem
Multiple gestation	Preterm, IUGR, neonatal asphyxia, birth trauma, twin-twin transfusion syndrome
IUGR	Congenital anomaly, neonatal asphyxia
LGA	Birth trauma, congenital anomaly, hypoglycemia
Abnormal fetal heart beat	Neonatal asphyxia, heart block

● 生產時的狀況

Conditions at delivery	Possible Problem
急產	Birth Trauma, ICH or IVH
產程太長	Neonatal asphyxia, birth trauma
胎位不正	Birth Trauma, neonatal asphyxia
Maternal fever	Infection
Meconium stain	Asphyxia, MAS
羊水惡臭	Infection
Polyhydramnio	Congenital anomaly (anencephaly, G-I tract obstruction), chromosome anomaly, edema, maternal diabetes
Oligohydramnio	Congenital anomaly (kidney or lung hypoplasia), bone anomaly, IUGR
Umbilical cord prolapse	Asphyxia, ICH
C/S	Respiratory distress, blood loss
Anesthesia and narcotic agent	Respiratory distress, hypotension, hypothermia
Placental anomaly	
Small placenta	IUGR
Large placenta	Edema, maternal diabetes
Placenta laceration	Blood loss
Vasa previa	Blood loss

● 產後新生兒的狀況

After Delivery	Possible Problem
Prematurity	Respiratory distress, IVH, ICH, infection, PDA, NEC
Postmaturity	Asphyxia, MAS, high perinatal mortality
Low Apgar score at 1min	Asphyxia, respiratory distress, ICH
Low Apgar score at 5 min	Development delay
Pale or shock	Blood loss
IUGR	Hypoglycemia, hypocalcemia, congenital anomaly, asphyxia

參考資料: 臨床新生兒科學