

Complication :

Macrosomia, birth injury, SGA

RDS, Hypertrophic cardiomyopathy

Hypoglycemia (通常於出生後 1-3hr 達到最低點)

Hypocalcemia (通常於出生後 24-72hr 達到最低點)

Polycythemia & hyperviscosity, Hyperbilirubinemia

Renal vein thrombosis

Congenital malformation

Cardiac defect : TGA, VSD, ASD, truncus arteriosus, DORV, CoA

GI defect : small left colon syndrome

neurologic defect : anencephaly , meningocele syndrome

skeletal defect : hemivertebrae , caudal regression syndrome

renal defect : agencies

History : delivery method , maternal class of diabetes .

Physical examination :

Wt & GA : LGA , SGA

Skin: plethora, yellowish skin discoloration, ecchymosis

Chest: respiratory distress,考慮 RDS, hypertrophic cardiomyopathy, phrenic nerve injury, TTNB of

C/S. polycythemia

Extremities: caudal regression syndrome, brachial plexus injury, fracture

Neurological exam: jitteriness

Clas s	Description
A	Chemical diabetes with a positive glucose tolerance test before or during pregnancy
B	Onset after age 20 ; < 10 years' duration
C	Onset at age 10-19
D1	Onset before age 10
D2	Duration > 20 years
D3	Calcification of vessels of the leg
D4	Benign retinopathy
D5	Hypertension
E	Calcification of pelvic vessels (not used)
F	Nephropathy
G	Pregnancy failures
H	Vascular lesions developing in childbearing years; includes patients with cardiopathy
R	Malignant retinopathy

Laboratory:

- Maternal gestational diabetes. Class A diabetes controlled by diet alone. Infants have few complications.
 1. Complete physical examination, if all negative → observation.
 2. Early feeding soon after birth.
 3. Check blood glucose level at 2hr & 4hr, if reading > 40 mg/dl → observation.
- Maternal diabetes class A with insulin or other classes. 轉健保床。
 1. Complete physical examination.
 2. Early feeding soon after birth if vital signs stable.
 3. Check blood glucose level at 1, 2, 4, 8, 12, 36 & 48hr.
If < 40mg/dl monitor more closely.
 4. Check serum calcium level at 12-24, 48h of age. If low, check Mg. Recheck, if any s/s (+)
 5. Arrange further study, if any positive sign in physical examination.
- Check Hct if plethora
- Check bilirubin, ABG, CBC, culture by clinically & physical examination