The prenatal sonographic diagnosis and evaluation of the prognosis of fetal choledochal cysts
Qingqing Wu, Puqing Zhang, Beijing Obstetrics and Gynecology Hospital, Capital Medical University

Objective
To evaluate the ultrasound findings of congenital choledochal cysts in fetus

Materials and Methods
➢ 43 cases of fetuses with congenital choledochal cysts were collected in this study. 2 cases of which were lost to follow-up.
➢ Analysis of prenatal ultrasonographic features (size, shape, echo, relationship with surrounding organs).

Results
➢ 35 cases of congenital choledochal cysts. 34 cases were confirmed by surgical pathology. 1 case died. The coincidence rate was 81.4% by prenatal ultrasonography.
➢ Misdiagnosis of 7 cases. 4 cases of hepatic cysts. 2 cases of congenital biliary atresia. 1 case of ovarian cyst.
➢ 1 case of termination.

Ultrasonographic features of choledochal cysts in fetus
➢ The cyst is located in the right upper abdominal hilar region or near the gallbladder.
➢ Thin-walled, non-peristaltic
➢ Connecting with intrahepatic bile duct or gallbladder.

Conclusion
➢ Congenital choledochal cysts of fetuses can be detected by prenatal ultrasonographic features
➢ Prenatal ultrasound plays an important role in timely surgical treatment after birth as soon as possible.