Objectives
To summarize the prenatal ultrasonographic characteristics of anomalous origin of one pulmonary artery from the aorta (AOPA).

Methods
Echocardiographic characteristics of 3 fetuses with AOPA were reviewed. To review the relevant literature and summarize the experience of prenatal diagnosis of AOPA.

Results
Ultrasound characteristics were no bifurcation in distal pulmonary artery, main trunk of pulmonary artery extends directly to one branch and the other branch originated from the ascending aorta or left innominate artery. In 3 cases, 2 cases were the proximal type and anomalous origin of right pulmonary artery from the aorta and one with aortopulmonary window. One case was the distal type and anomalous origin of left pulmonary artery from the left innominate aorta.

Conclusion
There are some characteristic signs on ultrasonic features of AOPA. Prenatal ultrasound has the diagnostic accuracy of AOPA.