A case of bronchopulmonary sequestration
Radovan P, Zbyněk S, Haslik L, Vojtěch J, Feyereisl J, Krofta L
Institut for the Care of Mother and Child, Prague, Czechia

Objective
Bronchopulmonary sequestration (BPS) associated with fetal hydrops is a serious complication with limited therapeutic options. We are presenting a case of a monochorionic diamnionotic twin pregnancy with one of the fetuses being diagnosed with severe extralobar BPS and fetal hydrops.

Methods
A case report.

Results
3 courses of betamethasone in one-week intervals were administered. After the second course, recovery from the severe fetal hydrops and reduction in the volume of sequestration were observed. The neonatal period was marked with respiratory complications in the BPS affected twin (respiratory distress syndrome, pulmonary haemorrhage, bronchopulmonary dysplasia). Follow-up at six months of corrected age revealed no side effects of the antenatally administered steroids for either of the twins. Moreover, the affected twin showed no respiratory problems and surgery of BPS has not been necessary so far.

Conclusion
Antenatal steroids might be considered as a less invasive therapy in high-risk fetal patients with BPS, especially when fetal intervention is unsuitable or not available.

Parasagital view: Lung sequester (black *), feeding vessel from thoracic aorta, hydrothorax (white h), ascites (white *).