**Objective**

to show the Crystal Vue imaging in a case of caudal regression syndrome with skeleton deformity.

**Methods**

we use two-dimension, color Doppler, Crystal Vue and HCT-3D to examine the fetus of caudal regression syndrome with skeleton deformity. The mother was 27 years old with oligoamnios, G3P1. Gestational week was 25 weeks.

**Results**

2D and color-Doppler showed bilateral kidney agenesis and sirenomelia. Reproductive organ, urinary bladder and stomach couldn’t be seen. Umbilical artery and abdominal aorta connected directly. Bilateral iliac artery couldn’t be seen. Skeleton system couldn’t be showed clearly. 3D and MRI didn’t provide new information about skeleton system.

Crystal Vue showed abnormal curved spine with several thoracic and lumbar hemivertebrae, 11 right ribs with 5th to 7th fused, 7 left ribs, 2 femora, 3 shinbones and fused feet. The sacroccygeal vertebrae couldn’t be showed clearly.

HCT-3D showed normal skeletal upper extremities. Spinal structure showed was similar as seen by Crystal Vue. The sacroccygeal vertebrae couldn’t be seen clearly. too. 4 shinbones and fused feet were seen. The right 5th and 6th ribs fused.

**Conclusion**

Samsung WS80A Crystal Vue could obtain excellent skeleton imaging in caudal regression syndrome with oligoamnios.