Introduction
Sclerosing stromal tumor (SST) is a rare benign solid tumor of the ovary that is classified as a sex cord stromal tumor. SST often occurs in young woman, causing menstrual irregularity, abdominal discomfort, and ascites retention. As SSTs are rare ovarian tumors, preoperative diagnosis is difficult. We present our experience of using the HDlive Flow silhouette mode with HDlive silhouette mode to diagnose SST.

Case
A 18-year-old nulliparous Japanese woman was referred to our hospital because of a right ovarian solid tumor. She had a history of menstrual irregularity.

2D sonographic findings
Transvaginal 2D sonography shows a moderately echogenic tumor with some anechoic areas inside the mass (Fig. 1a). 2D color Doppler reveals peripheral vascularity with a few central vessels inside the mass (spoke-wheel appearance) (Fig. 1b).

Hdlive Flow findings
The HDlive Flow silhouette mode with HDlive silhouette mode reveals numerous peripheral vessels with some penetrationg vessels (scrubbing-brush appearance) (Fig. 2).

Case course
We performed laparoscopic right salpingo-oophorectomy (Fig. 3).

Histopathology confirmed SST.

Conclusion
The HDlive Flow silhouette mode with HDlive silhouette mode may facilitate the preoperative diagnosis of SST as an additional diagnostic tool along with conventional 2D power Doppler sonography.