The possible application of HDlive in diagnosing and monitoring abnormal placenta, Z. Zhang, Tianjin Central Hospital of Obstetrics and Gynecology, Tianjin, China

Introduction
To explore and demonstrate the significance of new technique, HDlive, in detecting the abnormal conditions of placenta among the pregnancies who never show or show a few clinic symptoms.

Typography
A study of pregnancies was conducted as the placenta was thick or showed heterogeneous ultrasonic on two-dimensional ultrasound from September, 2016 to October, 2017 in Tianjin Central Hospital of GYN & OB. All the pregnancies underwent HDlive placental ultrasound built the “blood tree” to analyze blood vessel. All placenta performed pathological examination and the newborns conducted Apgar score in this hospital.

Conclusion
HDlive may detect abnormal placenta earlier than conventional ultrasound techniques in the same trimester. It is vital to pay more attention to the morphology and blood signal of the placenta in daily work and HDlive can be used as a novel technology to detect the condition of the placenta.

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<th>Pathological outcome</th>
<th>+</th>
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<tbody>
<tr>
<td>Hdlive examination</td>
<td>19</td>
<td>3</td>
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<tr>
<td></td>
<td>6</td>
<td>5</td>
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sensitivity: 72%
specificity: 62.5%
 diagnozing coincidence rate: 72.73%