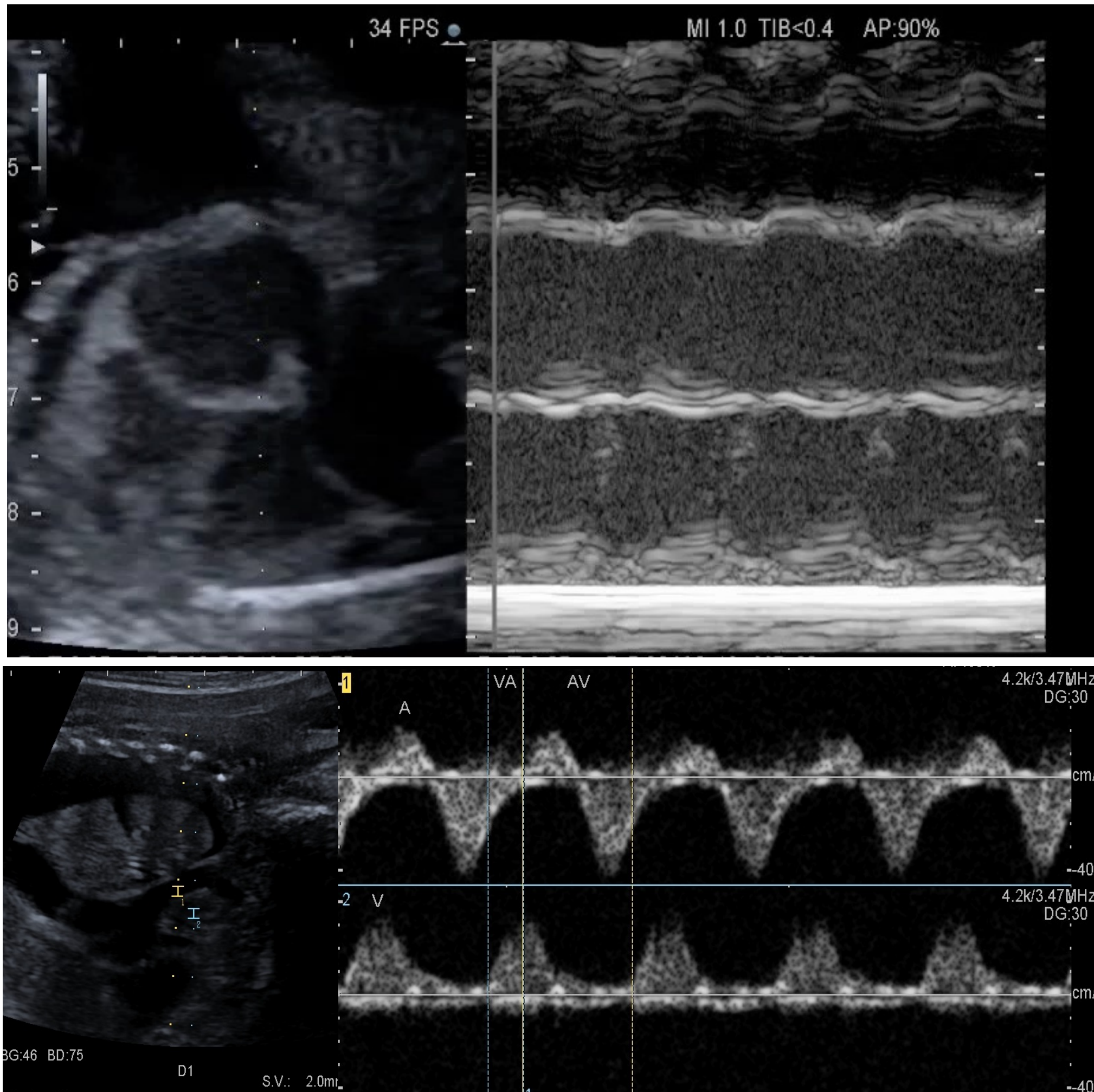


[EP10.10] Fetal blood pressure indices in successfully treated fetal supraventricular tachycardia with hydrops: a case observation using phased-tracking method

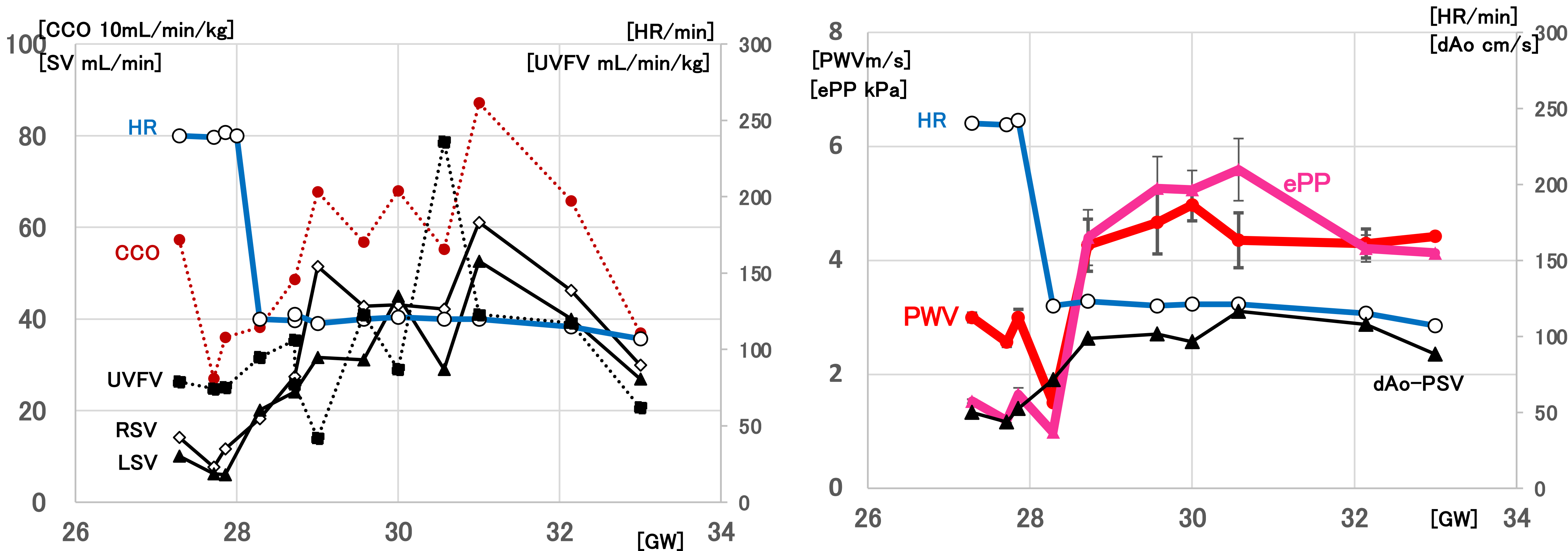
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Case: A 26-year-old, 1-para patient

- Short VA tachyarrhythmia with ventricular rate of 240bpm: suspected PSVT
- Transplacental digoxyn and sotalol was started at 27wks-2ds.
- Sinus conversion was noted at 28-1.
- PSVT could not been observed after 30-0. Hydrops was improved gradually after 30 wks.
- Male infant 2,149g was delivered at 36-0.
- ECG revealed delta wave and diagnosed as WPW syndrome.



Results

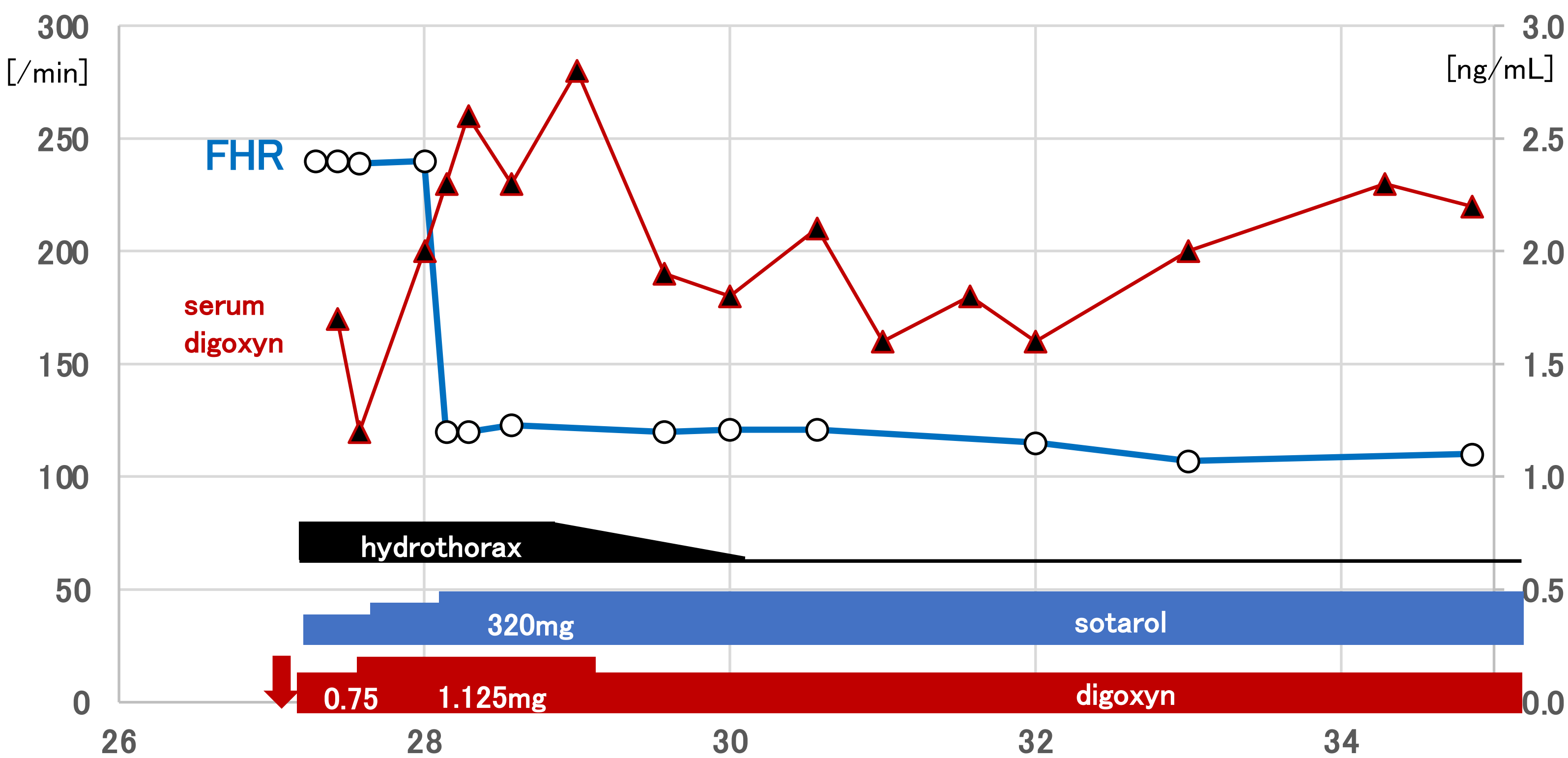


Objectives

Changes in blood pressure indices after the sinus conversion were investigated.

Methods

Conventional Doppler and blood pressure indices (pulse wave velocity (PWV) and estimated pulse pressure (ePP)) were evaluated using phased-tracking method before and after the sinus conversion.



Conclusions

- Elevated PWV and ePP were the most rapid recognizable changes after the sinus conversion.
- Increase in the blood pressure thought to be the primary requirement for resolution of fetal hydrops.