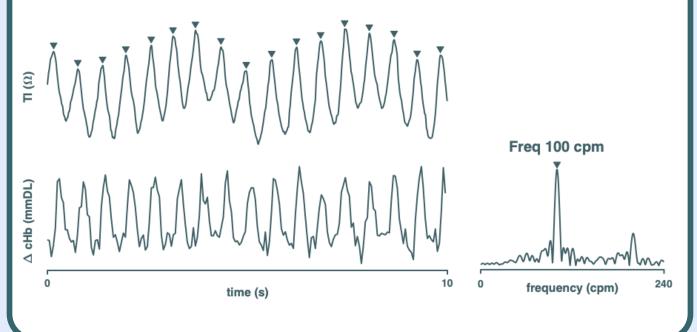


METHOD

Feedback every 5-sec using 10-sec haemoglobin **Spectral method**: concentration signal intervals. Compression frequency is the frequency at which the spectral amplitude is maximum.



CONCLUSIONS

- ① Visible compression activity. Chest compressions produce visible haemoglobin changes in cerebral oximetry signals sampled with $f_s \ge 20$ Hz.
- **2** Accurate rate feedback. A spectral algorithm produced accurate compression rate feedback in over 5 hours of recordings.
- **③ Best channel**. Total haemoglobin in both hemispheres, no difference between Left/right.
- ④ **Saturation**. No difference ROSC/no-ROSC during treatment (without ROSC), small sample for conclusive results.
- **5** Future work. Improve the feedback method, collect more cases (target $n \ge 50$), analyze CPR quality and haemoglobin variations.

