This film demonstrates ayear-old male patient with severe HF. The cause of heart failure
is (diagnosis). The LVEF is% on echocardiography. At the resting stage, the SctO _{2rest} is%,
which is lower than the average SctO _{2rest} of the healthy controls (73.1 ± 2.8%) as presented
previously by Chen et al. ¹ . Before exercise testing, P _{ET} CO _{2rest} is mmHg. MAP _{rest} is
mmHg. Baseline blood sampling revealed BNP and Hb levels of pg/mL and g/dL,
respectively. The OUES is $__$. At peak exercise, SctO ₂ is further decreased to $__$ %. Peak $\overset{\bullet}{\text{VO}}_2$
is mL/min. Peak work rate iswatts.

1 Chen, Y. J. *et al.* Cerebral desaturation in heart failure: Potential prognostic value and physiologic basis. *PLoS One.* **13** (4), e0196299, (2018).