

**August 2019**

## **NSO Position Statement on the use of Interpretive CCHD Screening Software**

Newborn Screening Ontario is responsible for the provincial coordination and quality of CCHD Screening for all Ontario babies. We are fully aligned with the best practice guidelines of the Canadian Paediatric Society and the Canadian Cardiovascular Society position statement on CCHD Pulse oximetry screening for the early identification of CCHD in newborns.

After review of the first year of incoming screening data and in keeping with our goal to provide standardized quality screening, **NSO does not recommend the use of interpretive CCHD screening software at this time ( i.e. EVE screening mode by Masimo)**, as it is currently not consistent with the provincial CCHD screening algorithm in the calculation of SpO2 values. Furthermore, screening data from organizations using interpretive software shows a higher rate of repeat screens and false positive outcomes resulting in an impact to babies, families and to the health care system.

Sites using a Masimo Radical 7 monitor should use it in '*continuous monitoring mode*' as opposed to EVE software mode for CCHD screening. Your staff will then be able to apply the NSO tools for screening, including the CCHD Screening Algorithm and/or CCHD Screening Evaluation Chart.

If you require any additional information or assistance with the screening process, please contact us by email to [nsocchd@cheo.on.ca](mailto:nsocchd@cheo.on.ca).

CCHD Operations Group  
Newborn Screening Ontario



### **RESOURCE LINKS**

#### **Canadian Paediatric Society**

*Pulse Oximetry Screening In Newborns to Enhance Detection of Critical Congenital Heart Disease*  
<https://www.cps.ca/en/documents/position/pulse-oximetry-screening>

#### **Canadian Cardiovascular Society**

*Canadian Cardiovascular Society/Canadian Pediatric Cardiology Association Position Statement on Pulse Oximetry Screening In Newborns to Enhance Detection of Critical Congenital Heart Disease*  
[https://www.onlinecjc.ca/article/S0828-282X\(16\)31012-1/fulltext](https://www.onlinecjc.ca/article/S0828-282X(16)31012-1/fulltext)