Oxy-CRG and Neonatal Event Review

Clinical decision support for diagnosis and management in neonatal intensive care

Oxy-CRG (oxy-cardiorespirography) combines the compressed trends of a neonate’s heart rate, respiration, and oxygenation in a single, coherent display on Philips patient monitors. With Neonatal Event Review, clinicians can designate any combination of apnea, bradycardia, or hypoxia as a significant neonatal “event” and review the associated Oxy-CRG trends for up to 50 events over a 24-hour period.

Oxy-CRG information at a glance
Oxy-CRG is an indicator of breathing efficiency and brain maturity. Oxy-CRG is available on all IntelliVue patient monitors and facilitates more comprehensive evaluation of patient status by:
- Displaying up to 9 minutes of trended data
- Helping to detect critical conditions, including apneic spells, obstructive apnea, mixed apnea, periodic breathing, and disturbed breathing
- Supporting continuous documentation via 1, 2, or 3 cm/min Oxy-CRG recording
**Compatibility**
Neonatal Event Review is available as an option on these Philips Patient Monitors:
- IntelliVue MP20 and higher

Oxy-CRG is available on these Philips patient monitors:
- IntelliVue MP20 and higher

*Please ask your sales representative for details on compatibility.*

---

**Clinical decision support**
Neonatal Event Review collects Oxy-CRG trend data associated with significant neonatal events, such as apnea or bradycardia. Knowing the number, severity, and distribution of events can help clinicians identify underlying diseases and deliver the most appropriate treatment.

---

**Automatic documentation and storage with Neonatal Event Review**
Neonatal Event Review contributes to overall efficiency by automating the daily documentation of neonatal events.

Neonatal Event Review provides:
- Automatic capture of events
- 24-hour event review window
- Storage of 4 minutes of an Oxy-CRG episode for up to 50 events over 24 hours for retrospective review

---

**Event documentation**
Neonatal Event Review documentation supports hospital release criteria and can be added to the patient record for recall as required.

Twenty-four hours of meaningful clinical data is provided at one glance, clearly displaying and documenting changes in patient status from one day to the next.

---

**Philips Commitment to Clinical Decision Support**
Philips is committed to advancing technologies that help clinicians collect, combine, and cross-reference physiologic data for a coherent picture of their patients’ status. Our expanding portfolio of clinical decision support tools ranges from rules-based event detection and smart alarms to sophisticated algorithms that present information in eye-opening ways.

---

**References**


---

For each detected event, Neonatal Event Review stores the surrounding four minutes of Oxy-CRG for review, analysis, and documentation.

Neonatal Event Review report.