



# Pediatrics

## PEDIATRIC CARDIAC MONITORING

Cardiac arrhythmias can affect the quality of life and lead to morbidity and mortality in pediatric patients. Prompt diagnosis and appropriate early management can potentially prevent life threatening events, restore functional capacity, and improve quality of life for the child and family.

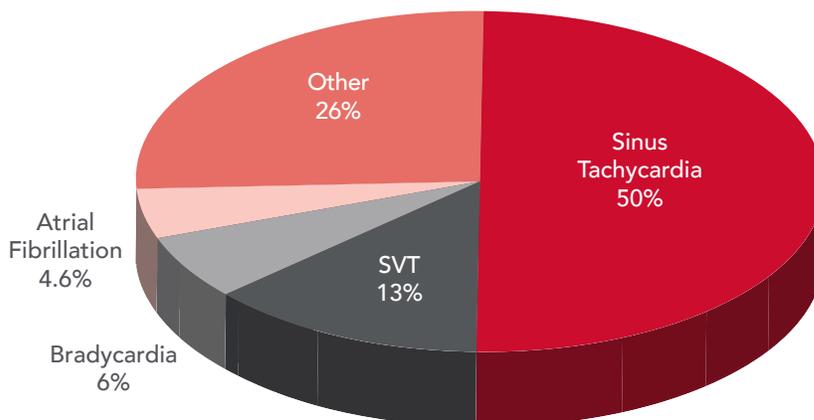
The Carnation Ambulatory Monitor (CAM) is the first P-wave centric ECG monitor, designed for the optimal detection and clear recording of the P-wave, the small amplitude ECG signal originating in the right atrium essential for accurate arrhythmia diagnosis and the determination of appropriate medical or procedural intervention.

CAM is one of the only cardiac monitoring and arrhythmia detection patch devices available that is best-suited and cleared for pediatric patients (10 kg [22 lbs] or more).



## DEFINITIVE PEDIATRIC ARRHYTHMIA DIAGNOSING

### Most Common Pediatric Arrhythmias<sup>1</sup>



- The overall incidence of pediatric arrhythmias is 55.1 per 100,000 pediatric ED visits.<sup>1</sup>
- Supraventricular tachycardia (SVT) is the most common pathologic rhythm disturbance in pediatrics, with an estimated prevalence of 1 to 250 per 25,000 children.<sup>2</sup> As these are atrial-related in origin, the CAM's P-wave focused technology provides an invaluable tool in definitive diagnosis.

<sup>1</sup> Sacchetti A, et al. Primary cardiac arrhythmias in children. *Pediatric Emergency Care*. 1999; 15(2):95-98.

<sup>2</sup> Dublin AM. Clinical features and diagnosis of supraventricular tachycardia in children. *UpToDate*. 2017.



## TRADITIONAL CARDIAC MONITORING PRODUCTS NOT IDEAL

- Non-optimal ECG recording quality (a smaller heart makes it even harder to visualize the P-wave)
- Electrocutation and strangulation hazards due to dangling wires
- Cumbersome lead wires and heavy battery pack (especially for children)
- Frequent disruption of recording time as a result of playing and peeling off electrodes
- Noisy recordings due to jostling of wires with active children
- Must be removed prior to bathing



## CAM: THE OPTIMAL CARDIAC MONITOR FOR PEDIATRICS



- Indicated for pediatric patients weighing 10 kg (22 lbs) or more
- P-wave optimized detection for visualization of the atriums
- Improved compliance due to patient-friendly design
- Light-weight, wire-free, and unobtrusive
- Does not impede with daily activities, including bathing and sleeping
- Activity and play-time does not interrupt recording signal
- Easy to apply and remove
- More comfortable than traditional cardiac monitoring

### Pediatric Age-Weight Chart<sup>3</sup> (For Reference Only)

Pediatric Subpopulation	Age	Approximate Weight Range
Neonates	Birth to 28 days	<4.5 kg
Infants	29 days to less than 2 years	4.5 kg – 12.5 kg
Children	2 years to less than 12 years	12.5 kg – 41 kg
Adolescents	12 years to 21 years	41 kg – 65 kg

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<sup>3</sup> Centers for Disease Control and Prevention, National Center for Health Statistics.

*Indications for Use:* The Carnation Ambulatory Monitor is designed to provide extended duration cardiac monitoring for people who are suspected of having cardiac arrhythmias. Please refer to the Instructions for Use for further information.